



PRICE LIST

VALID FROM FEBRUARY 2023

AGRICULTURE

LANDSCAPE

SPORT



SUMMARY 1

Ogni goccia vale!

N° 46

SUMMARY

DRIP IRRIGATION

Light dripline
Heavy dripline
Heavy PC dripline
Drippers
PC drippers
Drip heads

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Technical appendix **300**

FERTIGATION

Fertiliser tank
Venturi injectors
Hydraulic dosing pumps
Electric dosing pumps
Fertiliser agitators
Fertigation, acidification, mixing kits

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MICRO IRRIGATION

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Pulsator
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Irreo system
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Manual metal filters
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Automatic gravel filters

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VALVES

Wing mini-valves
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Special valves
Air vents
Hansen valves and floats
Pressure regulators
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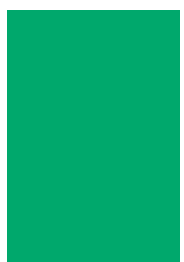


PUMPS

Vertical axis submersible
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FITTINGS

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Pipe fittings for drip heads
Compression fittings
PVC fittings
Hansen fittings
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Metal fittings
Spherical fittings
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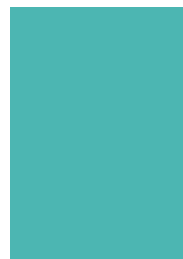
Technical appendix **322**



PIPING

PE pipe
PVC pipe
Laflat pipe
Corrugated pipe
Drainage pipe
Suction/discharge pipe
PVC pipe for pumps

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SPECIAL INSTALLATIONS

Motor pumps
Equipped motor pumps
Integrated systems
Self-propelled
Special systems

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LANDSCAPE

Scarabelli Dripline
Rain Bird
Hunter
Toro
Galcon
Valticino
Samcla
Solem
Hozelok
Accessories
Otterbine
Technocooling
Mosquito control and fertilisation
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SPORT

Rain Bird
Hunter
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NEWS 2023

FILTRATION

Horizontal Screen Filter SMARTFILTER STF Series



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FERTIGATION

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FITTINGS

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with pre-inserted fitting



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LANDSCAPE

RC2



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Set Green Wall



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AGRICULTURE 4.0

The future in the palm of your hand

By the term "Agriculture 4.0" we mean **THE EVOLUTION OF PRECISION AGRICULTURE**, achieved through the automatic collection, integration and analysis of data from the field, from sensors and any other third-party source. All of this is enabled by the use of **DIGITAL TECHNOLOGIES 4.0** that make it possible to create knowledge and support the farmer in the decision-making process related to his activity. The ultimate aim is to **INCREASE THE PROFITABILITY AND ECONOMIC, ENVIRONMENTAL AND SOCIAL SUSTAINABILITY OF AGRICULTURE**.

**SIMPLICITY
DEDUCTIBILITY
INTERCONNECTION
SUSTAINABILITY**

**Enterprise Cloud
Archiving
data archiving**

Climate parameters

- Rainfall
- Humidity
- temperature
- wind
- Solar radiation

Management unit

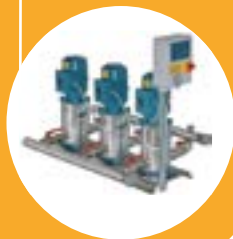
- Network connection by GPRS/Ethernet/Wi-Fi
- Self-management capability irrigation according to the relevant parameters



Controlled fertilizer injection for proper crop nutrition

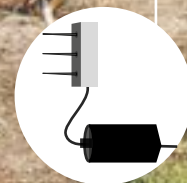
Management and control of pressurization systems for optimization water resource

Control of automatic filtration systems

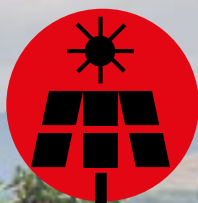


Soil parameters

- Tensiometers
- Capacitive meters
- Multi-reading probes



SUMMARY 1



Water valve
management irrigation
radio controlled
with LoRa system or
last generation
single cable systems

Vegetative crop parameters

- Dendometers (measurement of the contraction and dilation of a plant organism)
- Leaf temperature
- Leaf moisture
- Lymph flow



DRIP IRRIGATION

LIGHT DRIPLINE SCARABELLI	10
HEAVY DUTY DRIPLINE	14
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> FLOW-TAPE



DESCRIPTION

Application

- Open field crops by loose or draining grounds
- Horticulture glasshouses plants
- Sub-irrigation systems on extensive crops

Specifics

- Working pressure: 10 mH₂O
- 4 different flow-rates
- 3 different diameters to offer solutions for every request
- High turbulence labyrinth and wide passages
- Continuous dripper inserted during extrusion
- Recommended filtration: 120 mesh (140 mesh for 0,6 and 1,0 l/h)

Features

- High resistance to cloggings
- Double coloured strip to identify drippers side
- High resistance to traction
- From 10 to 36 cm drippers spacing
- High-quality materials

Materials

- Linear Pe and PeBd pipes
- Polyethylene dripper

PRESSURE/FLOW RATE RATIO

Flow-rate l/h	mH ₂ O			
	5	8	10	12
0,6	0,42	0,54	0,60	0,66
1,0	0,77	0,97	1,08	1,18
1,5	1,03	1,29	1,44	1,57
1,8	1,31	1,65	1,84	2,01

COILS NUMBER PER SHIPMENT

Coils x pallet	20 ft container			40 ft HC container			Truck	
	Pallet	Coils on pallet	No pallet coils	Pallet	Coils on pallet	No pallet coils	Pallet	Coils
20	20	400	450	40	800	910	40	800
48	20	960	1.010	20	960	1.060	44	1.056

HOW TO CONSTRUCT A CODE

Code	Ø	mil	Spacing	Flow-rate
TSAT	5 = Ø 16	6 = 6mil	1 = 0,10	06 = 0,6
	7 = Ø 22	8 = 8mil	2 = 0,20	10 = 1,0
	8 = Ø 25	10 = 10mil	3 = 0,30	15 = 1,5
		12 = 12mil	4 = 0,40	18 = 1,8

FLOW-TAPE Ø 16 DRIPLINE

mil thickness	Coils mt	€/mt	€/coil
6	3.050	0,0813	248,00
8	2.200	0,1091	240,00
10	1.830	0,1257	230,00

FLOW-TAPE Ø 22 DRIPLINE

mil thickness	Coils mt	€/mt	€/coil
7	2.000	0,1260	252,00
8	1.830	0,1366	250,00
10	1.340	0,1604	215,00
12	1.200	0,1792	215,00

FLOW-TAPE Ø 25 DRIPLINE (ON REQUEST)

mil thickness	Coils mt	€/mt	€/coil
8	1.350	0,1667	225,00
10	1.150	0,2087	240,00
12	900	0,2444	220,00



> T-SAL S1



DESCRIPTION

Application

- Horticulture, intensive and extensive open field crops and glasshouses

Specifics

- **Standard flow-rates: 0,6 - 1,0 - 1,4 - 2,2 l/h**
- Wall thickness: 6 - 8 - 10mil (12 mil on request)
- Turbulent flow labyrinth and wide passages dripper
- Large dimension intake filter
- Technological variation coefficient CV: 1,5%
- Recommended filtration: 120 mesh (140 mesh for 0,6 l/h)

Features

- Coextruded dripper
- High resistance to clogging due to a wide turbulence flow labyrinth
- Water input in the dripper assures to have always the cleanest water

Materials

- Linear Pe an PeBd pipe
- Polyethylene dripper

COILS NUMBER PER SHIPMENT

Coils x pallet	20 ft container		40 ft HC container		Truck	
	Pallet	Coils	Pallet	Coils	Pallet	Coils
20	16	320	40	800	40	800

TECHNICAL FEATURES

Ø _{nom} mm	mil thickness	Ø _{int} mm	Ø _{est} mm	Max P mH2O
16	6	16,1	16,4	10,0
16	8	16,1	16,5	12,0
16	10	16,1	16,6	14,0
22	8	22,2	22,6	10,0
22	10	22,2	22,7	13,0

T-SAL Ø 16 LIGHT DRIPLINE - 1 L/H FLOW-RATE

mil thickness	cm spacing	Code	Coils mt	€/mt	€/coil
		1 l/h			
6	15	TSAL400	2.700	0,0975	263,30
6	20	TSAL401	2.800	0,0890	249,16
6	25	TSAL402	2.900	0,0870	252,43
6	30	TSAL403	3.000	0,0836	250,81
6	40	TSAL404	3.000	0,0809	242,56
6	50	TSAL405	3.000	0,0795	238,43
8	15	TSAL160	2.600	0,1164	302,59
8	20	TSAL161	2.700	0,1063	286,90
8	25	TSAL162	2.800	0,1000	279,91
8	30	TSAL163	2.900	0,0968	280,59
8	40	TSAL164	2.900	0,0949	275,14
8	50	TSAL165	2.900	0,0921	267,13
10	20	TSAL451	2.300	0,1210	278,38
10	25	TSAL452	2.400	0,1121	269,06
10	30	TSAL453	2.500	0,1089	272,24
10	40	TSAL454	2.500	0,1109	277,15
10	50	TSAL455	2.500	0,1090	272,48

PRESSURE/FLOW RATE RATIO

Flow-rate l/h	mH2O			
	5	8	10	12
0,6	0,42	0,54	0,60	0,66
1,0	0,70	0,86	0,95	1,03
1,4	0,99	1,23	1,36	1,48
2,2	1,63	2,00	2,20	2,38

T-SAL Ø 22 LIGHT DRIPLINE - 1 L/H FLOW-RATE

mil thickness	cm spacing	Code	Coils mt	€/mt	€/coil
		1 l/h			
8	20	TSAL702	2.000	0,1418	283,55
8	25	TSAL701	2.000	0,1379	275,76
8	30	TSAL703	2.100	0,1242	260,87
8	40	TSAL704	2.100	0,1214	254,92
8	50	TSAL705	2.100	0,1200	251,92
10	20	TSAL761	1.400	0,1696	237,43
10	25	TSAL762	1.400	0,1599	223,80
10	30	TSAL763	1.600	0,1422	227,54
10	40	TSAL764	1.600	0,1370	219,18
10	50	TSAL765	1.600	0,1469	234,99

Note: for flow rates and spacings other than those indicated in the table, please contact our Customer Service Department



> T-SAL L



DESCRIPTION

Application

- Horticulture, intensive and extensive open field crops and glasshouses

Specifics

- **Standard flow-rates: 0,8 - 1,15 - 1,5 - 2,3 - 3,8 l/h**
- Wall thickness: 6 - 8 - 10 - 12 - 15 - 18 mil
- Turbulent flow labyrinth and wide passages dripper
- Large dimension intake filter
- Technological variation coefficient CV: 1,5%
- Recommended filtration: 120 mesh (140 mesh for 0,8 l/h)

Features

- Coextruded dripper
- High resistance to clogging due to a wide turbulence flow labyrinth
- Water input in the dripper assures to have always the cleanest water

Materials

- Linear Pe an PeBd pipe
- Polyethylene dripper

TECHNICAL FEATURES

Ø _{nom}	mil thickness	Ø _{int}	Ø _{est}	Max P
16	6	16,1	16,4	10,0
16	8	16,1	16,5	12,0
16	10	16,1	16,6	14,0
16	12	16,1	16,7	15,0
16	15	16,1	16,86	20,0
16	18	16,1	17,0	25,0
22	8	22,2	22,6	10,0
22	10	22,2	22,7	13,0
22	12	22,2	22,8	15,0
22	15	22,2	22,8	15,0

PRESSURE/FLOW RATE RATIO

Flow-rate l/h	mH2O			
	5	10	15	20
0,80	0,56	0,79	0,96	1,11
1,15	0,79	1,15	1,43	1,67
1,50	0,96	1,40	1,74	2,04
2,30	1,58	2,30	2,86	3,34
3,80	2,61	3,80	4,73	5,53

T-SAL Ø 16 LIGHT DRIPLINE - 2,3 L/H FLOW-RATE

mil thickness	cm spacing	Code	Coils mt	€/mt	€/coil
		2,3 l/h			
6	15	TSAL050	2.300	0,0975	224,30
6	20	TSAL051	2.400	0,0890	213,57
6	25	TSAL052	2.500	0,0870	217,61
6	30	TSAL053	2.600	0,0836	217,37
6	40	TSAL054	2.600	0,0809	210,21
6	50	TSAL055	2.600	0,0795	206,64
8	15	TSAL190	2.200	0,1164	256,04
8	20	TSAL191	2.300	0,1063	244,40
8	25	TSAL192	2.400	0,1000	239,93
8	30	TSAL193	2.500	0,0968	241,89
8	40	TSAL194	2.500	0,0949	237,19
8	50	TSAL195	2.500	0,0921	230,29
10	20	TSAL481	2.000	0,1210	242,07
10	25	TSAL482	2.100	0,1121	235,43
10	30	TSAL483	2.300	0,1089	250,46
10	40	TSAL484	2.300	0,1109	254,98
10	50	TSAL485	2.300	0,1090	250,68
12	20	TSAL531	1.400	0,1428	199,94
12	25	TSAL532	1.500	0,1332	199,76
12	30	TSAL533	1.700	0,1285	218,50
12	40	TSAL534	1.700	0,1288	218,92
12	50	TSAL535	1.700	0,1269	215,75
15	15	TSAL630	1.250	0,1858	232,23
15	20	TSAL631	1.350	0,1683	227,15
15	25	TSAL632	1.400	0,1647	230,61
15	30	TSAL633	1.500	0,1611	241,61
15	40	TSAL634	1.500	0,1637	245,57
15	50	TSAL635	1.500	0,1620	243,04
18	20	TSAL681	900	0,1771	159,39
18	30	TSAL683	1.000	0,1739	173,88
18	40	TSAL684	1.000	0,1633	163,30

Note: for flow rates and spacings other than those indicated in the table, please contact our Customer Service Department



T-SAL Ø 22 LIGHT DRIPLINE - 2,3 L/H FLOW-RATE

mil thickness	cm spacing	Code	Coils mt	€/mt	€/coil
		2,3 l/h			
8	20	TSAL731-S	1.400	0,1418	198,48
8	25	TSAL732-S	1.500	0,1379	206,82
8	30	TSAL733-S	1.600	0,1242	198,76
8	40	TSAL734-S	1.600	0,1214	194,23
8	50	TSAL735-S	1.600	0,1200	191,94
10	20	TSAL781-S	1.200	0,1696	203,51
10	25	TSAL782-S	1.300	0,1599	207,81
10	30	TSAL783-S	1.400	0,1422	199,10
10	40	TSAL784-S	1.400	0,1370	191,78
10	50	TSAL785-S	1.400	0,1469	205,62
12	20	TSAL831-S	1.050	0,1964	206,19
12	25	TSAL832-S	1.150	0,1874	215,56
12	30	TSAL833-S	1.250	0,1628	203,51
12	40	TSAL834-S	1.250	0,1600	199,94
12	50	TSAL835-S	1.250	0,1582	197,71
15	20	TSAL871-S	900	0,2081	187,32
15	25	TSAL872-S	1.000	0,1959	195,91
15	30	TSAL873-S	1.100	0,1936	212,93
15	40	TSAL874-S	1.100	0,1905	209,51
15	50	TSAL875-S	1.100	0,1885	207,37

Note: for flow rates and spacings other than those indicated in the table, please contact our Customer Service Department

COILS NUMBER PER SHIPMENT

Coils x pallet	20 ft container		40 ft HC container		Truck	
	Pallet	Coils	Pallet	Coils	Pallet	Coils
20	16	320	40	800	40	800

Dripline > Mini Coils Light

MINI COILS LIGHT DRIPLINE Ø 16 - T-SAL

mil thickness	cm spacing	l/h	Code	Coils mt	€/mt	€/coil
8	20	1,5	TSAL1072	250	0,1742	43,55
8	30	1,5	TSAL1074	250	0,1495	37,38
8	20	2,2	TSAL1082	250	0,1742	43,55
8	30	2,2	TSAL1084	250	0,1495	37,38

No. 64 coils per pallet



> T-SAL DL



DESCRIPTION

Application

- Horticulture, intensive and extensive open field crops and glasshouses

Specifics

- **Standard flow-rates: 2,3 l/h Ø 16 and 2 l/h Ø 20**
- Flow-rates on request: 1,5 - 3,8 l/h
- Wall thickness: 36/10 mil (0,9 mm)
- 5 thickness available
- Turbulent flow labyrinth and wide passages
- Large dimension intake filter
- Technological variation coefficient CV: 1,5%
- Recommended filtration: 120 mesh

Features

- Coextruded dripper
- High resistance to clogging due to a wide turbulence flow labyrinth
- Water input in the dripper assures to have always the cleanest water

Materials

- Linear Pe an PeBd pipe
- Polyethylene dripper

TECHNICAL FEATURES

Ø _{nom}	Thickness		Ø _{int}	Ø _{est}	Max P mH2O
	mm	mil			
16	0,9	36	16,10	17,90	35
20	0,9	36	17,50	19,30	35

PRESSURE/FLOW RATE RATIO

l/h	mH2O			
	5	10	15	20
1,50	0,96	1,40	1,740	2,04
2,20	1,58	2,30	2,860	3,34
3,80	2,61	3,80	4,730	5,53

COILS NUMBER PER SHIPMENT

Coils x pallet	20 ft container		40 ft HC container		Truck	
	Pallet	Coils	Pallet	Coils	Pallet	Coils
28	10	280	20	560	20	560

Use "BLACK swivel fittings
for heavy dripline (T-SAL DL) and LDPE pipe"
at page 160

TSAL DL Ø 16 DRIPLINE - STANDARD COILS

mil thickness	cm spacing	l/h	Code	Coils mt	€/mt	€/coil
36	30	1,5	TSAL883	500	0,3211	160,55
36	40	1,5	TSAL884	500	0,3173	158,65
36	30	2,3	TSAL922	500	0,3211	160,55
36	40	2,3	TSAL923	500	0,3173	158,65

TSAL DL Ø 20 DRIPLINE - STANDARD COILS

mil thickness	cm spacing	l/h	Code	Coils mt	€/mt	€/coil
36	30	1,5	TSAL1103	400	0,3757	150,28
36	40	1,5	TSAL1104	400	0,3732	149,27
36	30	2,0	TSAL1113	400	0,3757	150,28
36	40	2,0	TSAL1114	400	0,3732	149,27

TSAL DL ROUND Ø 16 DRIPLINE - STANDARD COILS

mil thickness	cm spacing	l/h	Code	Coils mt	€/mt	€/coil
36	30	2,0	TSAP053	400	0,3300	132,00
36	40	2,0	TSAP054	400	0,2900	116,00

**Note: for flow rates and spacings other than those indicated in the table,
please contact our Customer Service Department**



> NEW GR



DESCRIPTION

Application

- Fruit farming and horticulture
- Flat terrains and non-relevant length fields

Specifics

- **Standard flow-rates: 2 l/h Ø 16 - 2,2 l/h Ø 20**
- **4,0 l/h Ø 16 e Ø 20**
- Flow-rates on request: 1,1 l/h
- Increased wall thickness >1 mm
- Cylindric dripper with turbulent flow labyrinth and wide passages
- Large dimension intake filter
- Technological variation coefficient CV: 1,5%
- Recommended filtration: 120 mesh Q> 2 l/h plus 100 mesh

Features

- Coextruded dripper
- High resistance to clogging due to a wide turbulence flow labyrinth
- Water input in the dripper assures to have always the cleanest water
- High-quality materials for long-lasting performances

Materials

- Linear Pe an PeBd pipe
- Polyethylene dripper

TECHNICAL FEATURES

Ø _{nom}	Thickness	Ø _{int}	Ø _{est}	Max P
mm				mH2O
16	1,10	13,70	15,90	45
20	1,25	17,40	19,90	45

PRESSURE/FLOW RATE RATIO

Flow-rate l/h	mH2O				
	5	10	15	20	30
1,1*	0,75	1,00	1,37	1,61	2,0
2,0	1,38	2,00	2,48	2,89	3,6
4,0*	2,83	4,00	4,90	5,65	6,9

*Available on request

COILS NUMBER PER SHIPMENT

Ø	20 ft HC container	40 ft HC container	Truck
16	180	400	342
20	130	300	380

NEW GR Ø 16 DRIPLINE* - FLOW-RATE 2,0 L/H

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1,1	20	TSAP320	400	0,4100	164,00
1,1	30	TSAP321	400	0,3600	144,00
1,1	40	TSAP322	400	0,3400	136,00
1,1	50	TSAP323	400	0,3300	132,00
1,1	60	TSAP324	400	0,3200	128,00
1,1	80	TSAP325	400	0,3100	124,00

*On request

NEW GR Ø 20 DRIPLINE* - FLOW-RATE 2,2 L/H

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1,2	20	TSAP330	300	0,5400	162,00
1,2	30	TSAP331	300	0,4800	144,00
1,2	40	TSAP332	300	0,4500	135,00
1,2	50	TSAP333	300	0,4400	132,00
1,2	60	TSAP334	300	0,4300	129,00
1,2	80	TSAP335	300	0,4100	123,00

*On request

Note: for flow rates and spacings other than those indicated in the table, please contact our Customer Service Department

> PC2



DESCRIPTION

Application

- Fruit farming, vineyards and olive trees. Ideal on pending grounds or of a relevant lengths

Specifics

- **Standard flow-rates: 1,6 - 2,2 - 4,0 l/h**
- Self-compensating
- Wall thickness: 1.2
- Cylindric dripper with turbulent flow labyrinth and wide passages
- Large dimension intake filter
- Technological variation coefficient CV: 1,5%
- Self-compensation range: 5 ÷ 40 mH2O
- Maximum working pressure: 40 mH2O
- Recommended filtration: 120 mesh

Features

- Coextruded dripper
- High resistance to clogging due to a wide turbulence flow labyrinth
- Water intake in the dripper assures to have always the cleanest water
- Double output hole for water supply

Materials

- Linear Pe an PeBd pipe
- Polyethylene dripper
- Silicon membrane

TECHNICAL FEATURES

Ø _{nom}	Thickness	Ø _{int}	Ø _{est}	Max P
mm				mH2O
16	1,2	13,6	16,0	40,00
20	1,2	17,6	20,0	40,00

SELF-COMPENSATION RANGE

Flow-rate _{nom} l/h	Ø	mH2O
1,6	16/20	5 ÷ 40
2,2	16/20	5 ÷ 40
4,0	16/20	5 ÷ 40

COILS NUMBER PER SHIPMENT

Ø mm	Container 20 ft HC	Container 40 ft HC	Truck
16	180	400	342
20	130	300	380

PC2 Ø 16 DRIPLINE - FLOW-RATE 2,3 L/H

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1,2	30	TSAU022	400	0,5900	236,00
1,2	40	TSAU023	400	0,5500	220,00
1,2	50	TSAU024	400	0,5000	200,00
1,2	60	TSAU025	400	0,4800	192,00
1,2	80	TSAU026	400	0,4600	184,00

PC2 Ø 20 DRIPLINE - FLOW-RATE 2,3 L/H

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1,2	30	TSAU032	300	0,7300	219,00
1,2	40	TSAU033	300	0,6800	204,00
1,2	50	TSAU034	300	0,6400	192,00
1,2	60	TSAU035	300	0,6000	180,00
1,2	80	TSAU036	300	0,6100	183,00

Note: for flow rates and spacings other than those indicated in the table, please contact our Customer Service Department



> SuperDrip PC



DESCRIPTION

Application

- Fruit farming, vineyards and olive trees. Ideal on pending grounds or of a relevant length

Specifics

- **Standard flow-rates: 2,0 l/h**
- Flow-rate on request: 1 - 1,6 l/h
- Self-compensating
- Wall thickness: 1 mm
- Built-in dripper with turbulent flow labyrinth and wide passages
- Large dimension intake filter
- Technological variation coefficient CV: 2,5%
- Self-compensation range: 5 ÷ 43 mH2O
- Maximum working pressure: 45 mH2O
- Recommended filtration: 120 mesh (140 mesh per 1,0 l/h)

Features

- Coextruded dripper
- High resistance to clogging due to a wide turbulence flow labyrinth
- Water intake in the dripper assures to have always the cleanest water

Materials

- Linear Pe an PeBd pipe
- Polyethylene dripper
- Silicon membrane

TECHNICAL FEATURES

Ø _{nom}	Thickness	Ø _{int}	Ø _{est}	Max P
mm				mH2O
16	1,00	14,00	16,00	40,00
20	1,00	18,00	20,00	40,00
23	1,00	20,80	22,84	30,00

SELF-COMPENSATION RANGE

Flow-rate _{nom} l/h	Ø	mH2O
1,0*	16/20/23	5 ÷ 40
1,6*	16/20/23	5 ÷ 40
2,0	16/20/23	5 ÷ 40

*Available on request

COILS NUMBER PER SHIPMENT

Ø mm	Container 20 ft HC	Container 40 ft HC	Truck
16	180	342	342
20	130	302	300
23*	240	588	672

*Paper coils

SUPER DRIP Ø 16 DRIPLINE - FLOW-RATE 2,0 L/H

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1	20	TAG422	500	0,6730	336,50
1	30	TAG423	500	0,5930	296,50
1	40	TAG424	500	0,5550	277,50
1	50	TAG425	500	0,5290	264,50
1	60	TAG426	500	0,5130	256,50
1	70	TAG427	500	0,5050	252,50
1	80	TAG428	500	0,4950	247,50
1	90	TAG429	500	0,4880	244,00
1	100	TAG430	500	0,4820	241,00

SUPER DRIP Ø 20 DRIPLINE - FLOW-RATE 2,0 L/H

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1	20	TAG442	400	0,7570	302,80
1	30	TAG443	400	0,6730	269,20
1	40	TAG444	400	0,6330	253,20
1	50	TAG445	400	0,6100	244,00
1	60	TAG446	400	0,5900	236,00
1	70	TAG447	400	0,5800	232,00
1	80	TAG448	400	0,5720	228,80
1	90	TAG449	400	0,5650	226,00
1	100	TAG450	400	0,5590	223,60

SUPER DRIP Ø 23 - FLOW-RATE 2,0 L/H

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1	30	TAG031	350	0,8660	303,10
1	40	TAG032	350	0,8060	282,10
1	50	TAG033	350	0,7700	269,50
1	60	TAG034	350	0,7460	261,10

Note: for flow rates and spacings other than those indicated in the table, please contact our Customer Service Department

Superdrip Ø16 1,6 l/h coil mt 400
Superdrip Ø20 1,6 l/h coil mt 300



> SuperDrip PC AS



DESCRIPTION

Application

- Fruit farming, vineyards and olive trees. Ideal on pending ground or of relevant length
- For sub-irrigation systems

Specifics

- **Standard flow-rates: 2,0 l/h**
- Flow-rate on request: 1,6 l/h
- Self-compensating
- Anti-siphon
- Wall thickness: 1 mm
- Turbulent flow labyrinth and wide passages dripper
- Large dimension intake filter
- Technological variation coefficient CV: 2,5%
- Autocompensation range: 5 ÷ 43 mH2O
- Maximum working pressure: 45 mH2O
- Recommended filtration: 120 mesh (140 mesh per 1,0 l/h)

Features

- Coextruded dripper
- High resistance to clogging due to a wide turbulence flow labyrinth
- Water input in the dripper assures to have always the cleanest water
- Big compensation membrane

Materials

- Linear Pe an PeBd pipe
- Polyethylene dripper
- Silicon membrane

TECHNICAL FEATURES

Ø _{nom}	Thickness	Ø _{int}	Ø _{est}	Max P
mm				mH2O
16	1,00	14,00	16,00	40,00
20	1,00	18,00	20,00	40,00
23	1,00	20,80	22,84	30,00

COILS NUMBER PER SHIPMENT

Ø mm	Container 20 ft HC	Container 40 ft HC	Truck
16	180	342	342
20	130	302	600
23*	240	588	672

*Paper coils

Superdrip PC ND
version available on request
Same price as Superdrip PC AS version

Superdrip Ø16 1,6 l/h coil mt 400
Superdrip Ø20 1,6 l/h coil mt 300

SELF-COMPENSATION RANGE

Flow-rate _{nom} l/h	Ø	mH2O
1,6	16/20/23	5 ÷ 40
2,0	16/20/23	5 ÷ 40

SUPER DRIP AS Ø 16 DRIPLINE - FLOW-RATE 2,0 L/H

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1,00	20,00	TAG365	500	0,6730	336,50
1,00	30,00	TAG367	500	0,5930	296,50
1,00	40,00	TAG368	500	0,5550	277,50
1,00	50,00	TAG369	500	0,5290	264,50
1,00	60,00	TAG370	500	0,5130	256,50
1,00	70,00	TAG371	500	0,5050	252,50
1,00	80,00	TAG372	500	0,4950	247,50
1,00	90,00	TAG373	500	0,4880	244,00
1,00	100,00	TAG374	500	0,4820	241,00

SUPER DRIP AS Ø 20 DRIPLINE - FLOW-RATE 2,0 L/H

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1,00	20,00	TAG375	400	0,7570	302,80
1,00	30,00	TAG377	400	0,6730	269,20
1,00	40,00	TAG378	400	0,6330	253,20
1,00	50,00	TAG379	400	0,6100	244,00
1,00	60,00	TAG380	400	0,5900	236,00
1,00	70,00	TAG381	400	0,5800	232,00
1,00	80,00	TAG382	400	0,5720	228,80
1,00	90,00	TAG383	400	0,5650	226,00
1,00	100,00	TAG384	400	0,5590	223,60

SUPER DRIP AS Ø 23 - FLOW-RATE 2,0 L/H

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1	30	TAG041	350	0,9020	315,70
1	40	TAG042	350	0,8420	294,70
1	50	TAG043	350	0,8060	282,10
1	60	TAG044	350	0,7700	269,50

Note: for flow rates and spacings other than those indicated in the table, please contact our Customer Service Department



> PC2 ND (No-Drain)



DESCRIPTION

Application

- Appropriate for glasshouses irrigation systems both on and off-ground

Specifics

- **Standard flow-rates: 2,35 l/h (15 cm spacing 1,75 l/h)**
- Flow-rates on request: 1,6 - 2,0 - 4,0 l/h
- Self-compensating
- Anti-draining and anti-siphon
- Wall thickness: 1,2 mm
- Cylindric dripper with turbulent flow labyrinth and

Features

- Irrigation stop and starting from all the drippers contemporary
- Coextruded dripper
- High resistance to clogging due to a wide turbulence

Materials

- Linear Pe an PeBd pipe
- Polyethylene dripper
- Silicon membrane

TECHNICAL FEATURES

Ø _{nom}	Thickness	Ø _{int}	Ø _{est}	Max P
mm				mH2O
16	1,2	13,6	16,0	40,00
20	1,2	17,6	20,0	40,00

SELF-COMPENSATION RANGE

Flow-rate _{nom} l/h	Ø	mH2O
1,6 - 2,0 - 2,35 - 4,0	16/20	8 ÷ 35
1,6 - 2,0 - 2,35 - 4,0	16/20	8 ÷ 35

COILS NUMBER PER SHIPMENT

Ø mm	20 ft HC container	40 ft HC container	Truck
16	180	400	342
20	180	300	380

PC2 ND Ø 16 DRIPLINE - FLOW-RATE 2,35 L/H

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1,2	20	TAG002	400	0,7459	298,37
1,2	30	TAG003	400	0,6019	240,77
1,2	40	TAG004	400	0,5242	209,66
1,2	50	TAG005	400	0,4795	191,81
1,2	60	TAG006	400	0,4392	175,68
1,2	75	TAG007	400	0,4090	163,58
1,2	80	TAG008	400	0,3989	159,55
1,2	100	TAG010	400	0,3758	150,34

PC2 ND Ø 20 DRIPLINE - FLOW-RATE 2,35 L/H

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1,2	20	TAG012	300	0,8150	244,51
1,2	30	TAG013	300	0,6595	197,86
1,2	40	TAG014	300	0,5774	173,23
1,2	50	TAG015	300	0,5285	158,54
1,2	60	TAG016	300	0,4939	148,18
1,2	75	TAG017	300	0,4594	137,81
1,2	80	TAG018	300	0,4493	134,78
1,2	100	TAG020	300	0,4234	127,01

Note: for flow rates and spacings other than those indicated in the table, please contact our Customer Service Department

Dismantling Drippers >

> RGR Dripper



DESCRIPTION

Application

- Fruit farming, vineyards, olive trees, tunnels. Pots and Aero-Pot

Specifics

- Maximum working pressure: 10 mH₂O
- Internal demountable plastic lamella with turbulent flow labyrinth
- Coupling: 3 mm
- Output: multifunctional
- Recommended filtration: 120 mesh

Features

- Demountable for maintenance or cleaning
- Colour code for flow-rate identification

Materials

- Polypropylene

Code	Colors	l/h	Box	€/each
OGC030	Red	2	1.000	0,16
OGC031	Blue	4	1.000	0,16
OGC032	Green	8	1.000	0,16

PC Dismantling Drippers >

> RPC Dripper



DESCRIPTION

Application

- Self-compensating, high-flow-rate dripper for pending irrigation systems or where an take-apart dripper is required

Specifics

- Self-compensating dripper
- Working pressure: 1 ÷ 4 bar
- Internal demountable plastic lamella with turbulent flow labyrinth
- Coupling: 3 mm
- Output: multifunctional
- Recommended filtration: 120 mesh

Features

- Demountable for maintenance or cleaning

Materials

- Polypropylene

Code	Colors	l/h	Box	€/each
OGC110	Blue	4	1.000	0,23
OGC111	Green	8	1.000	0,23
OGC112	Black	15	1.000	0,23

> KPC Dripper



DESCRIPTION

Application

- Self-compensating, high-flow-rate dripper for pending irrigation systems or where an take-apart dripper is required

Specifics

- Self-compensating dripper
- Working pressure: 0,5 ÷ 4 bar
- Internal demountable plastic lamella with turbulent flow labyrinth
- Coupling: 3 mm
- Output: multifunctional
- Recommended filtration: 120 mesh

Materials

- Polypropylene

Code	Type	Colors	l/h	Box	€/each
OGC970	KPC	Red	2,2	1.000	0,261
OGC971	KPC	Grey	3,0	1.000	0,261
OGC972	KPC	Blue	4,0	1.000	0,251
OGC973	KPC	Green	8,0	1.000	0,253
OGC974	SE	Green	24	1.000	0,258

> KPC NO DRAIN Dripper



DESCRIPTION

Application

- Fruit farming, vineyards, olive trees

Specifics

- Self-compensating anti-draining dripper
- Working pressure: 0,5 ÷ 4 bar
- Opening pressure: 0,45 bar
- Closing pressure: 0,2 bar
- Coupling: 3 mm
- Turbulent flow labyrinth
- Water intake large filter
- Recommended filtration: 120 mesh

Features

- Code colour for flow-rate identification

Materials

- Polypropylene

Code	Colors	l/h	Box	€/each
OGC980	Red	2,2	100	0,263
OGC979	Grey	3,0	100	0,261
OGC981	Blue	4,0	100	0,260
OGC982	Green	8,0	100	0,260

> Junior PC Dripper



DESCRIPTION

Specifics

- Self-compensating dripper
- Working pressure: 0,5 ÷ 4,0 bar
- Coupling: 3 mm

Code	Colors	l/h	Box	€/each
OGC068	Red	2	1.000	0,44
OGC069	Black	4	1.000	0,44
OGC087	Green	8	1.000	0,44

Availability on request

> PC Dripper



DESCRIPTION

Specifics

- Self-compensating dripper
- Working pressure: 0,5 ÷ 4,0 bar
- 3 mm coupling

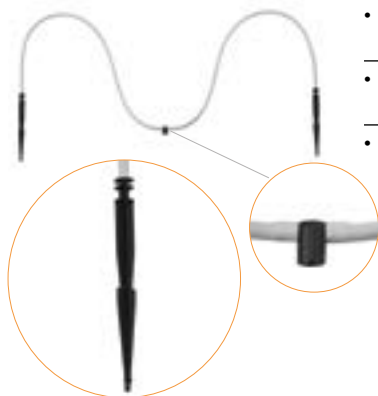
Code	Colors	l/h	Box	€/each
OGC057	Red	2	1.000	1,026
OGC051	Black	4	1.000	1,026
OGC070	Green	8	1.000	1,026

Availability on request



Droplets >

> Preassembled Droplets



DESCRIPTION

Application

- Glasshouse and nursery

Specifics

- Compatible with PC and PC CNL multifunctional drippers
- Distributors at one, two or four derivations
- Soft PVC/Pe micro-hose, black finishing or white covering
- Peg with built-in labyrinth for 2 and 4 derivations models
- Droplets free (grey) with single derivation

Features

- Flow-rate supplied depending on the dripper and derivation's number

Materials

- Dripper, peg: polypropylene
- Hose: Soft PVC/Pe

Code	Outputs Description	Color hose	Hose length cm	Peg type	Box	€/each
OSR302*	1	White	60	Mod. C without labyrinth	50	0,420
OSR326	1	White	80	Mod. C without labyrinth	50	0,630
OSR305	1	Black	60	Mod. C without labyrinth	50	0,388
OSR306	1	Black	80	Mod. C without labyrinth	50	0,560
OSR323*	2	White	60	Mod. C without labyrinth	50	0,733
OSR327	2	White	80	Mod. C without labyrinth	50	0,875
OSR321	2	Black	60	Mod. C without labyrinth	50	0,733
OSR311	2	Black	80	Mod. C without labyrinth	50	0,870
OSR303	2	White	60	Mod. A straight labyrinth	50	0,790
OSR312	2	White	80	Mod. A straight labyrinth	50	0,903
OSR307	2	Black	60	Mod. A straight labyrinth	50	0,766
OSR309*	2	Black	80	Mod. A straight labyrinth	50	0,860
OSR357	2	White	60	Mod. B angled labyrinth	50	0,780
OSR358	2	White	80	Mod. B angled labyrinth	50	0,917
OSR359	2	Black	60	Mod. B angled labyrinth	50	0,785
OSR330	2	Black	80	Mod. B angled labyrinth	50	0,894
OSR304	4	White	60	Mod. A straight labyrinth	50	1,800
OSR313	4	White	80	Mod. A straight labyrinth	50	2,120
OSR308*	4	Black	60	Mod. A straight labyrinth	50	1,710
OSR310*	4	Black	80	Mod. A straight labyrinth	50	1,730
OSR360	4	White	60	Mod. B angled labyrinth	50	1,730
OSR361	4	White	80	Mod. B angled labyrinth	50	1,787
OSR362	4	Black	60	Mod. B angled labyrinth	50	1,730
OSR331	4	Black	80	Mod. B angled labyrinth	50	1,810
OSR332	4	White	60	Mod. C without labyrinth	50	1,446
OSR328	4	White	80	Mod. C without labyrinth	50	1,446
OSR324	4	Black	60	Mod. C without labyrinth	50	1,635
OSR314	4	Black	80	Mod. C without labyrinth	50	1,692

*Immediately available

Other models on request

The 2-outlet drip units with mod C peg should be used with drippers with $q > 4 \text{ l/h}$

For SUPERTIF drippers, request a specific fitting



> E1000
Dripper

DESCRIPTION

Application

- Horticulture, glasshouse and nursery

Specifics

- Adjustable flow-rate, inspectionable dripper
- Working pressure: 0,8 ÷ 2,0 bar
- Coupling: 3 mm
- Turbulent flow labyrinth
- Water intake large filter
- Recommended filtration: 120 mesh

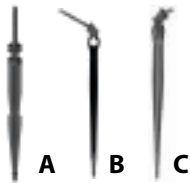
Features

- Code colour for flow-rate identification
- Multifunctional output - 5/3 micro-hose

Materials

- Polypropylene

Code	Colors	l/h	Box	€/each
OGC188	Brown	2	1.000	0,132
OGC189	Black	4	1.000	0,132
OGC190	Green	8	1.000	0,132

> DES
Droplets

DESCRIPTION

Application

- Non-self-compensating droplets for pots, glasshouse, nursery

Specifics

- Maximum working pressure: 12 mH2O
- Turbulent flow labyrinth and anti-clogging wide passages
- Suitable for 5/3 mm micro-hose
- Recommended filtration: 120 mesh

Features

- 3 different models: A) straight coupling B) 45° connection C) 45° connection without labyrinth
- Polypropylene

Code	Description	l/h	Fig.	Box	€/each
OGC074	Peg with straight labyrinth	2,3	A	100	0,0650
OGC053	Peg with angled labyrinth	1,5	B	100	0,0700
OGC088	Free point gray color	-	C	100	0,0790

> Katif
Dripper

DESCRIPTION

Application

- Small size dripper for agriculture and ornamental

Specifics

- Self-compensating dripper
- Working pressure: 0,8 ÷ 3,0 bar
- Coupling: 3 mm
- Turbulent flow labyrinth
- Water intake large filter
- Recommended filtration: 120 mesh

Features

- Code colour for flow-rate identification
- 2 models available: A) side output B) upper output

Materials

- Polypropylene

Code	Description	Colors	l/h	Box	€/each
OGC043	Outlet lateral	Black	2,30	10.000	0,0850
OGC044	Outlet lateral	Red	3,75	10.000	0,0850
OGC045	Outlet superior	Black	2,30	10.000	0,0850
OGC046	Outlet superior	Red	3,75	10.000	0,0850
OGC047	Outlet superior	Green	8,40	10.000	0,0850



> PC-ESG Dripper



DESCRIPTION					
Application					
• Fruit farming, vineyards, olive trees, tunnels. Pots and Aero-Pot					
Specifics					
• Self-compensating dripper • Working pressure: 0,6 ÷ 3,5 bar • Coupling: 3 mm • Turbulent flow labyrinth • Water intake large filter • Recommended filtration: 120 mesh					
Features					
• Hose coupling/conical outlet					
Materials					
• Polypropylene					
Code	Outlet	Colors	l/h	Box	€/each
OGC165*	Hose coupling	Brown/Black	2,0	500	0,1689
OGC160	Conical	Brown/Black	2,2	500	0,1778
OGC161	Conical	Black/Black	3,8	500	0,1778
OGC162	Conical	Green/Black	7,8	500	0,1778
OGC163	Conical	Red/Black	12	500	0,1778
OG1634	Conical	Orange/Black	25	500	0,1778
*While stocks last					

> PC-CNL Dripper



DESCRIPTION					
Application					
• Glasshouse and nursery					
Specifics					
• Self-compensating dripper • Working pressure: 1 ÷ 3,5 bar • Opening pressure: 0,7 bar • Closing pressure: 0,18 bar • Coupling: 3 mm • Turbulent flow labyrinth • Water intake large filter • Recommended filtration: 120 mesh					
Features					
• Outlet for hose coupling 5/3 mm					
Materials					
• Polypropylene					
Code	Description	Colors	l/h	Box	€/each
OGC171	Elbow output	Light blue/gray	2	500	0,1778

> PC-ESG-CNL Dripper



DESCRIPTION					
Application					
• Glasshouse and nursery					
Specifics					
• Self-compensating dripper • Working pressure: 0,7 ÷ 3,5 bar • Opening pressure: 0,7 bar • Closing pressure: 0,15 bar • Coupling: 3 mm • Turbulent flow labyrinth • Water intake large filter • Recommended filtration: 120 mesh					
Features					
• Conical outlet					
Materials					
• Polypropylene					
Code	Description	Colors	l/h	Box	€/each
OGC167	Conical	Brown/Brown	2,2	500	0,1778
OGC168	Conical	Brown/Black	3,85	500	0,1778
OGC169	Conical	Brown/Green	7,8	500	0,1778



NOTE



MICRO IRRIGATION

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Sprinklers > Sprayers

> Vari Jet on Peg



PRESSURE/FLOW RATE RATIO

Press. bar	Q _{lit/h}	mt coverage		
		360°	90°	180°
		Ø	Radius	Radius
0,5	41	0 ÷ 2,8	0 ÷ 1,8	0 ÷ 1,7
1,0	58	0 ÷ 4,0	0 ÷ 2,4	0 ÷ 2,4
1,5	72	0 ÷ 4,6	0 ÷ 2,8	0 ÷ 2,7
2,0	84	0 ÷ 5,0	0 ÷ 3,1	0 ÷ 3,0
2,5	95	0 ÷ 5,4	0 ÷ 3,4	0 ÷ 3,2

DESCRIPTION

Specifics

- Vari Jet-peg can be connected to the hose by an included micro hose
- Assembled
- Adjustable flow-rate

Code	mm len.	Cov.	Box	€/each
OGC213	310	360°	10	7,32
OGC216	200	360°	10	6,27
OGC214	310	180°	10	7,32
OGC217	200	180°	10	6,27
OGC215	310	90°	10	7,32
OGC218	200	90°	10	6,27

> Jet Components

Code	Description	mm len.	Cov.	B.	€/each
OAT100	Rigid peg	200		10	0,90
OAT101	Rigid peg	310		10	1,21
OTB050	Rigid peg with adap.	200		10	0,55
OTB051	Rigid peg with adap.	300		10	0,66
OTB052	Rigid peg with adap.	450		10	0,88
OSR092	Sprayer reg. thread		360°	10	0,58
OSR091	Sprayer reg. thread		180°	10	0,58

DESCRIPTION

Specifics

A complete jet is composed by:

- 1 peg+1 micro hose+1 sprayer
- Not assembled
- No adjustable flow

> Mini Sprayers and Accessories

Code	Description	Col.	Cov.	Box	€/each	
OSR060	Microjet base	Blue		100	0,23	
OSR061	Microjet base	Green		100	0,23	
OSR062	Microjet base	Red		100	0,23	
OSR065	Microjet base	White		100	0,23	
OSR080	Head for Microjet	Black	360°	100	0,22	
OSR081	Head for Microjet	Black	180°	100	0,22	
OSR082	Head for Microjet	Black	90°	100	0,22	

Usable also with Vari Jet-peg

DESCRIPTION

Specifics

- Working pressure range: 0,5 ÷ 2,5 bar
- Requested filtration:
blue-130 micron (120 mesh)
green and red - 200 micron (80 mesh)

TECHNICAL FEATURES 1 BAR COVERAGE

Type	Ø mm	mt radius			l/h
		90°	180°	360°	
Blue MICROJET base	1,0	2,0	1,8	4,6	36
Green MICROJET base	1,3	2,2	2,0	5,7	60
Red MICROJET base	1,5	2,3	2,3	6,0	82
White MICROJET base	2,3	3,6	2,8	6,3	150

> Shrubbler Stream Drippers-Peg



MT WET RADIUS - 20 CM H

Model	Working pressure mH2O		
	10	15	20
40 360°	0,50	0,60	0,80
40 180°	0,38	0,52	0,65

PRESSURE/FLOW RATE RATIO

l/h	mH2O		
	10	15	20
40	40	50	60

SHRUBBLER 360° - 180° - 360°PC

Code	Flow-rate	Mod.	Box	€/each
OGC201	40	360°	25	1,05
OGC220	40	180°	25	1,05
OGC202	40	360° PC	25	1,90

> Minibubbler



MT WET RADIUS - 20 CM H

Model	Working pressure mH2O		
	10	15	20
360°	0,50	0,80	1,00
360° PC	0,30	0,30	0,40

PRESSURE/FLOW RATE RATIO

l/h	mH2O		
	10	15	20
85	85	103	119

MINIBUBBLER 360° - 360°PC

Code	Flow-rate	Mod.	Box	€/each
OGC203	85	360°	25	1,05
OGC204	75	360° PC	25	1,91

> Spectrum



MT WET RADIUS - 20 CM H

Model	Working pressure mH2O		
	10	15	20
360°	1,70	2,80	3,40
360° PC	1,00	1,10	1,10

PRESSURE/FLOW RATE RATIO

l/h	mH2O		
	10	15	20
52	52	65	74

SPECTRUM 360° - 360° PC

Code	Flow-rate	Mod.	Box	€/each
OGC207	52	360°	25	1,53
OGC210	40	360° PC	25	2,83

Sprinklers > Sprayers

DESCRIPTION

Application

- Pots, trees, nursery

Specifics

- High flow-rate stream dripper-peg
- 5 jets - 180°/8 jets - 360°/8jets - 360°PC
- Self-compensation range: 15 ÷ 30 mH2O

Features

- Adjustable flow-rate and wet radius
- 4,5 mm micro hose coupling
- Filtration: 120 mesh

Materials

- Polypropylene

DESCRIPTION

Application

- Pots, trees, nursery

Specifics

- High flow-rate stream dripper-peg
- Models: 360°-360°PC
- Self-compensation range: 15 ÷ 30 mH2O

Features

- Adjustable flow-rate and wet radius
- 4,5 mm micro hose coupling
- Filtration: 120 mesh

Materials

- Polypropylene

DESCRIPTION

Application

- Pots, trees, nursery

Specifics

- High flow-rate stream dripper-peg
- Models: 360° - 360°PC
- Self-compensation range: 15 ÷ 30 mH2O

Features

- Adjustable flow-rate and wet radius
- 4,5 mm micro hose coupling
- Filtration: 120 mesh

Materials

- Polypropylene



DES Sprinklers > Micro Sprinklers



> Tornado Ray Jet



**H 25 CM FEATURES MOD.360°
15 MH2O**

Flow-rate l/h	Colour	Nozzle Ø	P _{max} mH2O	Wet Ø mt
25	Black	0,9	30	2
34	Blue	1,3	30	3
55	Green	1,7	30	4
70	Red	2,0	30	4

Code	Flow-rate l/h	Mod.	Box	€/each
OGC135	25	360°	500	0,65
OGC134	34	360°	500	0,65
OGC133	55	360°	500	0,65
OGC131	70	360°	500	0,65
OGC159	25	180°	500	0,65
OGC157	34	180°	500	0,65
OGC156	55	180°	500	0,65
OGC155	70	180°	500	0,65

DESCRIPTION

Application

- Fruit farming

Specifics

- Static sprinkler with "vortex" function
- 12 jets radial head
- 4 flow-rates
- Models: 360° - 180°
- Positioning: upwards by peg or downwards

Features

- Code colour for flow-rate identification
- Filtration: 120 mesh
- Thread nozzle for pipe PE/PVC 4/6 mm (option male conic)

Materials

- Polypropylene

DES Sprinklers > Foggers

> Rondo Fogger



**H 70 CM FEATURES
UD - 35 MH2O**

Flow-rate l/h	Colour	Nozzle Ø	P _{max} mH2O	Wet Ø mt
47	Black	0,85	40	2
61	Blue	1,00	40	2

Cod	Flow-rate l/h	Box	€/each
ONB001	47	2000/500	2,10
ONB002	61	2000/500	2,10

DESCRIPTION

Application

- Glasshouses, nursery

Specifics

- Double bridge frame for static fogger
- Medium drop dimension: 150 micron
- Upside down positioning
- Code colour for flow-rate identification
- Filtration: 120 mesh

Features

- Conical female coupling
- 3/8" thread (standard)
- Can be combined to anti-drop valves

Materials

- Polypropylene

> FLF - Fogger



TECHNICAL FEATURES

Flow-rate l/h	Colour	P _{max} mH2O	Approximate nozzle throw mt
5,4	light blue	55	1,50
10,5	blue	55	1,50

DESCRIPTION

Application

- Glasshouses cooling/humidification

Specifics

- Low flow-rate fogger
- 5,4 l/h light blue nozzle
- 10,5 l/h blue nozzle
- Working pressure: 3,5 ÷ 5,0 bar

Features

- Female conical coupling
- 3/8" thread (standard)
- Can be combined to anti-drop valves

Materials

- Polypropylene

Code	Model	Flow-rate l/h	Coupling	Nozzle colour	Config.	Box	€/each
ONB010	5,4	5,4 x 1	conical	light blue	single	500	4,35
ONB012	5,4	5,4 x 2	conical	light blue	double	500	4,90
ONB014	5,4	5,4 x 4	conical	light blue	Cross	500	8,65
ONB011	10,4	10,5 x 1	conical	blue	single	500	4,35
ONB013	10,4	10,5 x 2	conical	blue	double	500	4,90
ONB015	10,4	10,5 x 4	conical	blue	Cross	500	8,65

Example Assemblies



> Anti-Drop Valves

Code	Description	€	
OSA110	Low pressure (0,6 bar closed - 2,0 bar open) bi-directional flow thread/female conical x male conical	1,60	
OSA117	Low pressure (0,6 bar closed - 2,0 bar open) bi-directional flow 4/7 x male conical	1,60	
OSA118	High pressure (1,4 bar closed - 3,5 bar open) unidirectional flow thread/female conical x male conical	1,60	
OSA120	High pressure (1,4 bar closed - 3,5 bar open) unidirectional flow 4/7 x male conical	1,60	



DES Sprinklers > Mini Sprinklers



> Rondo



DESCRIPTION

Application

- Fruit farming, glasshouses, tunnels, horticulture

Specifics

- Dynamic sprinkler
- 4 pins, 3 static heads
- 11 flow-rates
- Pin with deflector option
- Upwards positioning by peg or upside down hanged
- Code colour to identify flow-rate and pin

Features

- Filtration: 120 mesh
- Female conical coupling
- 3/8" thread (standard)
- 5 mm micro-threaded coupling

Materials

- Polypropylene

Green UD pin	Blue UD pin*	Black pin	Purple pin*	Deflector black pin
Micro-thread coupling nozzle*	Conical F coupling nozzle*	3/8" coupling nozzle thread	Insect protection plug	

*Available on request

Model		Pins				Static		
		Black	Purple	Green	Blue	2 x 30°	90°	180°
nozzle	l/h	wet radius mt - 20 mH2O						
light blue	30	7	4,4	7,4	5,2	-	-	-
black	39	6	4,6	8,6	6,8	2,10	2,50	2,30
blue	51	7	5,0	8,6	7,4	2,20	2,80	2,60
dark blue	64	8	5,4	8,6	7,4	2,30	3,50	2,70
green	75	9	5,2	9,8	8,0	2,40	3,60	2,80
red	102	9	5,6	10,7	8,6	2,50	4,00	3,00
white	132	10	7,2	10,8	8,6	2,60	4,20	3,00
purple	174	11	7,6	11,2	9,2	2,80	5,00	3,00
yellow	205	11	8,0	11,4	9,6	3,00	5,60	3,10
brown	254	11	8,6	11,2	9,6	3,30	6,10	3,30
orange	298	11	9,0	10,6	9,6	3,60	6,10	3,50

Black - Purple: upwards - 25 cm from ground

Green - Blue: downwards - 200 cm from ground

Static Rondo: availability and prices on request

Cod	Model	Coupl.	Pin	Nozzle	Flow-rate l/h	€
OSR160*	Rondo	3/8"	black	black	39	1,22
OSR161	Rondo	3/8"	black	dark blue	64	1,08
OSR162	Rondo	3/8"	black	red	102	1,22
OSR163	Rondo	3/8"	black	white	132	1,08
OSR164	Rondo	3/8"	black	purple	174	1,22
OSR165	Rondo	3/8"	black	yellow	205	1,22
OSR167	Rondo	3/8"	black	brown	254	1,08
OSR166	Rondo	3/8"	black	orange	298	1,08
OSR757	UD Rondo	3/8"	green	black	39	1,22
OSR758	UD Rondo	3/8"	green	dark blue	64	1,22
OSR759	UD Rondo	3/8"	green	green	75	1,22
OSR760	UD Rondo	3/8"	green	red	102	1,22
OSR761	UD Rondo	3/8"	green	white	132	1,22
OSR762	UD Rondo	3/8"	green	purple	174	1,22
OSR763	UD Rondo	3/8"	green	yellow	205	1,22
OSR764	UD Rondo	3/8"	green	brown	254	1,22
OSR765	UD Rondo	3/8"	green	orange	298	1,22
OSR177*	Anti-insect Rondo	3/8"	black	blue	51	2,03

*While stocks last

PRE-ASSEMBLED RONDO SPRINKLERS*

Code	Model	Coupling	Pin	Flow-rate l/h	€
OSA002	Rondo 3/8" - Meteor 44 - Cantal peg - 60 mm Pe hose - 4/7 fitting	4/7	black	51	3,63
OSA004	Rondo 3/8" - Meteor 44 - Cantal peg - 60 mm Pe hose - 4/7 fitting	4/7	black	75	3,63
OSA005	Rondo 3/8" - Meteor 44 - Cantal peg - 60 mm Pe hose - 4/7 fitting	4/7	black	102	3,63
OSA036	Rondo 3/8" - Meteor 44	4/7	green	205	2,01
OSA038	Rondo 3/8" - Meteor 44	4/7	green	298	2,01
OSA016	Conical Rondo - 35 cm hose - anti-drop - stabilizer - 4/7 fitting	4/7	green	75	4,82
OSA017	Conical Rondo - 35 cm hose - anti-drop - stabilizer - 4/7 fitting	4/7	green	102	4,82

*While stocks last



> Self-Compensating Rondo RFR



UD red pin	Grey pin	Deflector grey pin	3/8" threaded coupling nozzle	Anti-insect cup
				

WET Ø MT

Model		Grey pin head up from the ground 25 cm	Red pin upside down	
Nozzle	l/h		from the ground 100 cm	from the ground 200 cm
blue	30	5,5	5,5	6,5
dark blue	41	5,7	6,0	7,0
green	53	6,4	7,0	7,5
red	70	8,0	6,5	7,0
white	95	8,4	7,5	8,0

DES Sprinklers > Mini Sprinklers

DESCRIPTION

Application

- Fruit farming, glasshouses, tunnels, horticulture

Specifics

- Self-compensating dynamic sprinkler
- Self-compensation range: 1,5 ÷ 3,5 mH2O
- 2 pins
- 6 flow-rates
- Pin with deflector option
- Upwards positioning by peg or upside down hanged
- Code colour to identify flow-rate and pin

Features

- Filtration: 120 mesh
- 3/8" thread (standard)

Materials

- Polypropylene

Cod	Model	Coupling	Pin	Flow-rate l/h	€
OSR189	Rondo RFR	3/8"	grey	23	2,00
OSR190	Rondo RFR	3/8"	grey	30	2,00
OSR191	Rondo RFR	3/8"	grey	41	2,00
OSR192	Rondo RFR	3/8"	grey	53	2,00
OSR193	Rondo RFR	3/8"	grey	70	2,00
OSR194	Rondo RFR	3/8"	grey	95	2,00
OSR280	UD Rondo RFR	3/8"	red	23	2,00
OSR281	UD Rondo RFR	3/8"	red	30	2,00
OSR282	UD Rondo RFR	3/8"	red	41	2,00
OSR283	UD Rondo RFR	3/8"	red	53	2,00
OSR284	UD Rondo RFR	3/8"	red	70	2,00
OSR285	UD Rondo RFR	3/8"	red	95	2,00
OSR195	Anti-insect Rondo RFR	3/8"	grey	23	3,30
OSR196	Anti-insect Rondo RFR	3/8"	grey	30	3,30
OSR197	Anti-insect Rondo RFR	3/8"	grey	41	3,30
OSR198	Anti-insect Rondo RFR	3/8"	grey	53	3,30

> Super XL



TECHNICAL FEATURES H 75 CM

Flow-rate l/h	Colour	P _{max}	mH2O	
			25	30
191	purple	30	n.a.	16,50
235	yellow	30	15,50	16,50
290	brown	30	17,00	16,00
341	orange	30	17,00	16,50

PRESSURE/FLOW RATE RATIO

Flow-rate l/h	Nozzle colour	mH2O	
		25	30
191	purple	191	209
235	yellow	235	258
290	brown	290	315
341	orange	341	373

DESCRIPTION

Application

- Fruit farming, nursery, horticulture

Specifics

- Slow rotation dynamic sprinkler
- 4 flow-rates available
- Working pressure: 2,5 ÷ 3,5 bar

Features

- Upwards positioning by peg
- Flow-rate identification by code colour
- Filtration: 40 mesh
- 3/8", 1/2" threaded coupling

Materials

- Polypropylene

Code		Flow-rate l/h	Colour		Box	€ cad
Coupling 3/8"	Coupling 1/2"		Nozzle	Pin		
OSR010	OSR014	191	purple	blue	250	8,00
OSR011	OSR015	235	yellow	blue	250	8,00
OSR012	OSR016	290	brown	green	250	8,00
OSR013	OSR017	341	orange	green	250	8,00



Sprinklers > Mini Sprinklers

> SC10 series



TECHNICAL FEATURES

Nozz. col.	l/h	2,5 bar	wet Ø	Sprinkler position mt			
				8 x 8	9 x 9	9 x 10	10 x 10
Blue	420	17		6,6	5,2	4,7	4,2
Yellow	500	20		7,8	6,2	5,6	5,0
Green	580	20		9,1	7,2	6,4	5,8
Red	750	21		11,7	9,3	8,3	7,5

l/h	Nozzle	Code	Model	€
420	Blue	OSR600	SC10 standard	11,17
500	Yellow	OSR601	SC10 standard	11,17
580	Green	OSR602	SC10 standard	11,17
750	Red	OSR603	SC10 standard	11,17
350	Brown	OSR604	SC10 standard	11,17

l/h	Nozzle	Code	Model	€
420	Blue	OSR605	SC10 self-comp.	11,81
500	Yellow	OSR606	SC10 self-comp.	11,81
580	Green	OSR607	SC10 self-comp.	11,81
750	Red	OSR608	SC10 self-comp.	11,81
350	Brown	OSR609	SC10 brown	11,81

DESCRIPTION

Application

- Low volume irrigation, in open field by low precipitation

Specifics

- Semi-fixed stand irrigation
- Available with flow-rate regulator to keep a constant flow also by level differences and very long rows

Features

- 25° angle
- Working pressure for the self-compensating model: 3,5 ÷ 5,0 bar to the sprinkler
- Coupling: ½" male
- Brown nozzle available as a side sprinkler (180° with street protection OMKR057) combined with the red nozzle sprinkler for the full circle



> Xcel Wobbler



Low

High

DESCRIPTION

Application

- Fruit farming, nursery, horticulture, frost protection

Specifics

- Automatic oscillating sprinkler
- No parts in movement
- 9 flow-rate available (200 ÷ 1.200 l/h)
- Area of work: 0,7 ÷ 1,7 bar

Features

- Upright installation on top of pipe
- Swash-plate
- Flow-rate indicated with colour
- Filtration: 80 mesh
- Threaded plug
- Version with high and low trajectories

Materials

- Polypropylene

Code for grey low	Code for high black	Flow-rate l/h	Coupling	Nozzle	Box	€/each
AIS216	AIS206	216	¾"M	06 gold	1	16,64
AIS217	AIS207	295	¾"M	07 lime	1	16,64
AIS218	AIS208	388	¾"M	08 lavender	1	16,64
AIS219	AIS209	500	¾"M	09 grey	1	16,64
AIS220	AIS210	618	¾"M	10 turquoise	1	16,64
AIS221	AIS211	749	¾"M	11 yellow	1	16,64
AIS222	AIS212	899	¾"M	12 red	1	16,64
AIS223	AIS213	1.056	¾"M	13 white	1	16,64
AIS224	AIS214	1.224	¾"M	14 blue	1	16,64

WET DIAMETERS AND DELIVERED FLOWS

Press. bar	Flow-rate l/h	Ø mt low	Ø mt high	Flow-rate l/h	Ø mt low	Ø mt high	Flow-rate l/h	Ø mt low	Ø mt high	Flow-rate l/h	Ø mt low	Ø mt high	Flow-rate l/h	Ø mt low	Ø mt high
	Gold (2,38 mm)			Lime (2,78 mm)			Lavender (3,18 mm)			Grey (3,57 mm)			Turquoise (3,97 mm)		
0,7	177	9,8	11,1	241	10,1	12,2	318	10,4	12,8	409	10,5	13,4	504	11	13,6
1,0	216	10,7	12,5	295	11,1	14,2	388	11,7	14,2	500	12,4	14,3	618	12,5	14,9
1,4	250	11,7	13,7	341	12,4	14,3	450	12,5	14,3	577	12,8	15,4	713	13	15,4
1,7	279	12,5	14	382	12,5	15,4	502	13	15,7	645	13,1	16	797	13,4	16,3
	Yellow (4,37 mm)			Red (4,76 mm)			White (5,16 mm)			Blue (5,56 mm)					
0,7	611	11	13,6	734	11,1	14	863	11,1	14,2	999	11,3	14,3			
1,0	749	12,7	15,4	899	12,7	15,4	1056	12,7	15,6	1224	13	15,6			
1,4	865	13,1	15,7	1038	13,6	15,9	1222	13,6	16	1415	13,7	16,2			
1,7	968	13,4	16,5	1161	13,6	16,6	1365	13,7	16,9	1583	14,2	16,9			



> Pulsator



NAANDANJAIN
IRRIGATION

> Super 10



DESCRIPTION

Application

- For irrigation and pulsed de-icing on orchards, vines, horticulture

Specifics

- Pressure range: 20 mH₂O

Features

- Filtration: 120 mesh

Code	Description	€
OSR098	Pulsator 205 frost protection with 150 l/h sprinkler + 3.2 m hose + 28 l/h dripper	24,38
Note.: configuration may vary without notice depending on technical information -For further configurations please contact Technical Service		

For correct dimensioning of the frost protection system, please send the Scarabelli technical service the technical plant data:

- Sixth planting
- Crop
- Minimum required temperature protection
- Water availability
- GPS geographical location

TECHNICAL FEATURES

Nozz. col.	l/h	wet 2 bar Ø	Sprinkler position mt			
			8 x 8	9 x 9	9 x 10	10 x 10
Blue	360	17	5,2	4,5	3,7	3,3
Yellow	450	20	7,0	5,6	5,0	4,5
Green	550	20	8,6	6,8	6,1	5,5
Red	670	21	10,5	8,3	7,4	6,7

Code	Description	Nozzle	l/h	€
OSR890	Super 10 standard	Brown	320	12,40
OSR899	Super 10 standard	Blue	360	12,40
OSR900	Super 10 standard	Yellow	445	12,40

Code	Description	Nozzle	l/h	€
OSR908	Super 10 self-comp.	Brown	320	13,64
OSR909	Super 10 self-comp.	Blue	340	13,64
OSR910	Super 10 self-comp.	Yellow	445	13,64
OSR911	Super 10 self-comp.	Red	670	13,64
OSR912	Super 10 self-comp.	Green	550	13,64

Code	Description	€
OMKR057	Edge irrigation 180° - Road protection - Super 10	2,13



DESCRIPTION

Application

- Low volume irrigation in open field with low precipitation

Specifics

- Specific for semi-fixed irrigation on stands
- Available with a flow regulator to maintain a constant flow rate in the presence of slopes and very long sprinkler lines

Features

- 25° elevation
- Working pressure for the regulated model (self-compensating) 3,0 - 5,0 bar at the sprinkler
- Connection: ½" male
- There is also a brown 335 l/h nozzle that is used as a side sprinkler (180° with OMKR057 street protection) combined with the red nozzle full circle sprinkler

Sprinklers > Impact

> 5022 SDU



Code	Description	Nozzles number	€
OSR949	5022 SD-U Violet	2	10,34
OSR950	5022 SD-U Orange	2	10,34
OSR948	5022 SD-U Violet	1	10,34
OSR951	5022 SD-U Orange	1	10,34

DESCRIPTION

Specifics

- ½" male connection
- Range 12.0 meters
- Recommended filtration 60 mesh
- Working pressure 1,5 ÷ 4,0 bar

Features

- Full circle mini sprinklers with front nozzle and optional rear nozzle
- Super diffuser (SD) to optimize spray pattern at low pressures
- Made of UV resistant plastic material
- Colored nozzles (for easy identification) with bayonet connection

P bar	Purple				Orange			
	single (2,5)		double (2,5 x 1,8)		single (2,8)		double (2,8 x 1,8)	
	Q l/h	Ø mt	Q l/h	Ø mt	Q l/h	Ø mt	Q l/h	Ø mt
1,5	310	19	440	18	405	19	510	19
2,0	360	19	480	19	475	21	560	20
2,5	400	20	535	21	530	22	635	21
3,0	440	21	590	21	580	22	690	21
3,5	475	21	635	21	625	22	750	23
4,0	510	21	685	21	670	23	800	22

> 427 B AG



Code	Description	Nozzles number	€
OSR944	427 B AG Orange	1	11,86
OSR945	427 B AG Green	1	11,86
OSR946	427 B AG Black	1	11,86
OSR947	427 B AG-U Orange	1	11,86

DESCRIPTION

Specifics

- ½" male connection
- Range 12.0 meters
- Recommended filtration 60 mesh
- Working pressure 2,0 ÷ 4,0 bar

Features

- 180° Mini sector sprinklers
- Straightening fin
- WP mechanism to keep water in trajectory
- Made of UV resistant plastic material
- Colored nozzles (for easy identification) with bayonet connection
- Model AG with adjustable spray head
- Model AG-U without adjustable nozzle

P bar	Orange		Green		Black	
	single (2,8)		single (3,2)		single (4,0)	
	Q l/h	Ø mt	Q l/h	Ø mt	Q l/h	Ø mt
2,0	450	22	570	23	850	24
3,0	550	23	700	24	1.030	26
4,0	630	24	810	26	1.180	26

> 5035 SD



Code	Description	Nozzles number	€
OSR933	5035 SD Blue/Red	2	13,23
OSR934	5035 SD Black/Red	2	13,23
OSR935	5035 SD Brown/Black	2	13,23
OSR936	5035 SD Purple/Black	2	13,23
OSR937	5035 SD Orange/Black	2	13,23
OSR938	5035 SD Red/Black	2	13,23
OSR939	5035 SD Red	1	13,23

DESCRIPTION

Specifics

- Male ¾" connection
- Range 18.0 meters
- Recommended filtration 60 mesh
- Working pressure 3,0 ÷ 5,0 bar

Features

- Full circle sprinklers
- Jet straightening fin
- Super diffuser (SD) to optimize the spray pattern
- Made of UV resistant plastic material
- Color-coded nozzles (for easy identification) with bayonet connection

P bar	Red (3,5)		Red (4,0)		Black (4,5)		Black (5,0)		Black (5,5)		Black (6,0)			
	Blue (2,5)		Black (2,5)		Brown (2,5)		Purple (2,5)		Orange (2,5)		Red (2,5)		Red (3,5)	
	Q l/h	Ø mt	Q l/h	Ø mt	Q l/h	Ø mt	Q l/h	Ø mt	Q l/h	Ø mt	Q l/h	Ø mt	Q l/h	Ø mt
3,0	1.240	27	1.490	28	1.790	30	2.110	32	2.390	32	2.700	34	790	24
4,0	1.430	27	1.740	29	2.070	30	2.400	33	2.760	34	3.160	36	910	25
5,0	1.620	27	1.950	29	2.320	32	2.690	35	3.090	35	3.540	34	1.040	25

> 5035 SD PC



Code	Description	Nozzles number	€
OSR940	5035 SD Blue	1	13,23
OSR941	5035 SD Black	1	13,23
OSR942	5035 SD Brown	1	13,23
OSR943	5035 SD Purple	1	13,23

DESCRIPTION

Specifics

- Male ¾" connection
- Range 17.0 meters
- Recommended filtration 60 mesh
- Working pressure 2,5 ÷ 5,0 bar

Features

- Sector sprinklers
- Jet straightening fin
- Super diffuser (SD) to optimize the spray pattern
- Made of UV resistant plastic material
- Color-coded nozzles (for easy identification) with bayonet connection

P bar	Blue (3,5)		Black (4,0)		Brown (4,5)		Purple (5,0)	
	Q l/h	Ø mt	Q l/h	Ø mt	Q l/h	Ø mt	Q l/h	Ø mt
2,5	720	26	950	27	1.210	28	1.460	30
3,0	790	27	1.040	28	1.320	30	1.610	31
4,0	910	27	1.200	28	1.540	31	1.870	33
5,0	1.020	28	1.350	29	1.710	32	2.100	34

Sprinklers > Impact

> SI 22



Code	Description	Nozzles number	€
OSR960	SI 22 full circle sprinkler	2	6,06

Colour	Flow-rate l/h	Ø nozzle mm	Wet Ø mt 3 bar
Purple	630	2,5 x 1,8	20,0
Red	762	3 x 1,8	21,0
Blue	1.158	3,5 x 2,5	23,6
Black	1.260	4 x 2,5	23,0

DESCRIPTION

Specifics

- ½" male coupling
- Angle: 24°
- Throw: 10 ÷ 12,5 mt
- Recommended filtration: 60 mesh
- Working pressure 2,5 ÷ 4,0 bar

Features

- Full circle mini sprinklers with 2 nozzles
- Plastic material and galvanized steel
- Bayonet coupling coloured nozzle

> SR 11



Code	Description	Nozzles number	€
AIR504	SR 11 sector sprinkler	1	10,50

Colour	Flow-rate l/h	Ø nozzle mm	Wet Ø mt 3 bar
Yellow	630	3,2	22,0
Light blue	990	4,2	24,0

DESCRIPTION

Specifics

- Throw: 10,5 ÷ 12,0 mt
- Flow-rate (3 bar): 990 l/h standard - 630 l/h on request
- ½" male coupling
- 25° adjustable angle
- Working pressure: 1 ÷ 3 bar

Features

- Sector sprinklers, 25° adjustable angle, 1 nozzle
- Plastic material
- 2 different coloured nozzles (for an easy identification)

> SI 228



Code	Description	€
OSR953	SI 228 sector sprinkler	13,36

Colour	Flow-rate l/h	Ø nozzle mm	Wet Ø mt 3 bar
Light blue	444	2,5	21,6
Red	558	2,9	23,0
Green	690	3,2	23,0
Blue	858	3,5	24,0

DESCRIPTION

Specifics

- ½" male coupling
- Angle: 25°
- Throw: 10,5 ÷ 13 mt
- Recommended filtration: 60 mesh
- Working pressure 2,0 ÷ 4,0 bar

Features

- Sector mini sprinklers with 1 nozzle
- Plastic material and galvanized steel
- Bayonet coupling coloured nozzle

> R 19



Code	Description	€
AIR501	R 19 sector sprinkler	13,50

Colour	Flow-rate l/h	Ø nozzle mm	Wet Ø mt 3 bar
Red	1.450	4,76	28

DESCRIPTION

Specifics

- ¾" male coupling
- Angle: 24°
- Throw: 10 ÷ 14 mt
- Recommended filtration: 60 mesh
- Working pressure 1,0 ÷ 3,0 bar

Features

- Sector mini sprinklers
- Plastic material and galvanized steel
- Bayonet coupling coloured nozzle

> SI 46F



Code	Description	€
AIR097	SI 46F full circle sprinkler	8,54

Flow-rate l/h	Ø nozzle mm	Wet Ø mt 3 bar
810	3,6	25,0
1.200	3,57 x 2,38	25,0
1.416	3,96 x 2,38	26,0
1.602	4,36 x 2,38	27,5
2.208	4,76 x 3,17	28,5
2.382	5,15 x 3,17	29,5
2.598	5,55 x 3,17	30,0

DESCRIPTION

Specifics

- ¾" male coupling
- Angle: 23°
- Throw: 10,5 ÷ 15 mt
- Recommended filtration: 60 mesh
- Working pressure 1,0 ÷ 4,0 bar

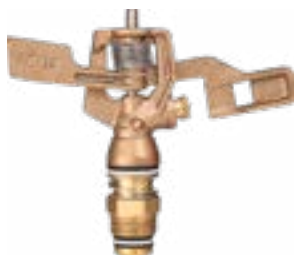
Features

- Full circle mini sprinklers with 2 nozzles
- Plastic material and galvanized steel
- Bayonet coupling coloured nozzle

Standard nozzle



> AIR110



DESCRIPTION

- 1/2" male coupling
- Angle: 7°
- Throw: > 10 mt

Specifics

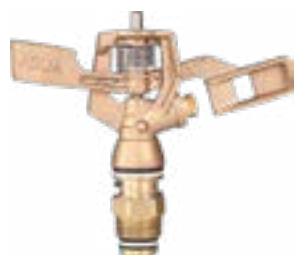
- Recommended filtration: 40 mesh
- Working pressure: 2 ÷ 4,5 bar

Features

- Full circle mini sprinkler, 1 nozzle
- Brass/bronze and stainless steel
- Standard nozzle: 3,57 mm (11,8 l/m - 2 bar)
- Recommended positioning: from 8x8 mt to 10x10 mt

Code	Description	€
AIR110	1/2" circular bronze sprinkler, low angle SI-5-7F	19,60

> AIR111



DESCRIPTION

- Coupling: 1/2" male
- Angle: 15°
- Throw: > 12 mt

Specifics

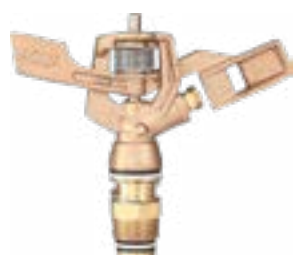
- Recommended filtration: 40 mesh
- Working pressure: 2 ÷ 4,5 bar

Features

- Full circle mini sprinkler, 1 nozzle
- Brass/bronze and stainless steel
- Standard nozzle: 2,77 mm (9,9 l/m - 3,5 bar)
- Recommended positionings: from 8 x 8 mt to 12 x 12 mt

Code	Description	€
AIR111	1/2" circular bronze sprinkler, low angle SI-5-15F	19,60

> AIR112



DESCRIPTION

- Coupling: 1/2" male
- Angle: 25°
- Throw: > 12 mt

Specifics

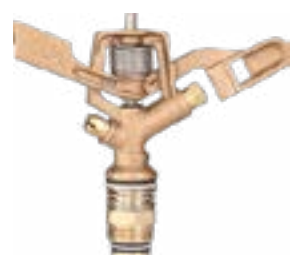
- Recommended filtration: 40 mesh
- Working pressure: 2 ÷ 4,5 bar

Features

- Full circle mini sprinkler, 1 nozzle
- Brass/bronze and stainless steel
- Standard nozzle: 3,57 mm (15,55 l/m - 3,5 bar)
- Recommended positionings: from 8 x 8 mt to 12 x 12 mt

Code	Description	€
AIR112	1/2" circular bronze sprinkler, low angle SI-5-25F	19,60

> AIR114



DESCRIPTION

- Coupling: 1/2" male
- Angle: 27°
- Throw: > 15 mt

Specifics

- Recommended filtration: 40 mesh
- Working pressure: 2 ÷ 4,0 bar

Features

- Full circle mini sprinkler, 2 nozzles
- Special anti frost protection
- Brass/bronze and stainless steel
- Standard nozzle: 3,96 x 2,38 mm (26,5 l/m - 4,0 bar)
- Recommended positionings: from 10 x 10 mt to 15 x 15 mt

Code	Description	€
AIR114	3/4" circular bronze sprinkler - SI-20F	27,83

> AIR115



DESCRIPTION

- Coupling: 1/2" male
- Angle: 33°
- Throw: > 18 mt

Specifics

- Recommended filtration: 40 mesh
- Working pressure: 2 ÷ 4,0 bar

Features

- Full circle mini sprinkler, 2 nozzles
- Brass/bronze and stainless steel
- Standard nozzle: 5,5 x 3,17 mm (48,8 l/m - 3,5 bar)
- Recommended positionings: from 12 x 12 mt to 18 x 18 mt

Code	Description	€
AIR115	3/4" circular bronze sprinkler 33° - SI-25F	50,00



Sprinklers > Impact

> AIR116



DESCRIPTION

- Coupling: 1" male
- Angle: 27°
- Throw: > 21 mt

Specifics

- Recommended filtration: 40 mesh
- Working pressure: 2,5 ÷ 5,0 bar

Features

- Full circle mini sprinkler, 2 nozzle
- Brass/bronze and stainless steel
- Standard nozzle: 7,94 x 5,55 mm (107,7 l/m - 4,0 bar)

- Recommended positionings: from 15 x 15 mt to 21 x 21 mt

Code	Description	€
AIR116	1" circular bronze sprinkler 27° - SI-30M	75,13

> AIR100



DESCRIPTION

- Coupling: 1/2" male
- Angle: 25°
- Throw: > 8 mt

Specifics

- Recommended filtration: 40 mesh
- Working pressure: 2,0 ÷ 3,5 bar

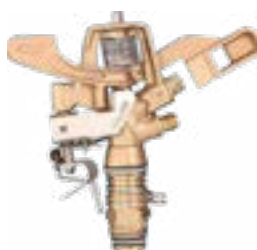
Features

- Sector mini sprinkler, 1 nozzle
- Brass/bronze and stainless steel
- Standard nozzle: 3,17 mm (110,6 l/m - 3,0 bar)

- Recommended positionings: from 6 x 6 mt to 8 x 8 mt

Code	Description	€
AIR100	Sector bronze 1/2" sprinkler SI-5-AG	31,54

> AIR095



DESCRIPTION

- Coupling: 3/4" male
- Angle: 25°
- Throw: > 15 mt

Specifics

- Recommended filtration: 40 mesh
- Working pressure: 2,0 ÷ 4,0 bar

Features

- Sector mini sprinkler, 2 nozzles
- Brass/bronze and stainless steel
- Standard nozzle: 4,36 x 2,38 mm (25,8 l/m - 3,0 bar)

- Recommended positionings: from 12 x 12 mt to 15 x 15 mt

Code	Description	€
AIR095	Sector bronze 3/4" sprinkler 25° SI-20P	47,86

> AIR098



DESCRIPTION

- Coupling: 1" male
- Angle: 23°
- Throw: > 21 mt

Specifics

- Recommended filtration: 40 mesh
- Working pressure: 2,5 ÷ 5,0 bar

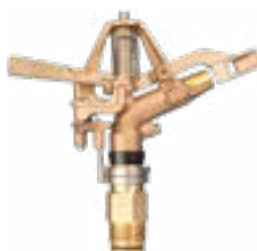
Features

- Sector mini sprinkler, 2 nozzles
- Brass/bronze and stainless steel
- Standard nozzle: 7,14 x 3,17 mm (74,2 l/m - 4,0 bar)

- Recommended positionings: from 15 x 15 mt to 21 x 21 mt

Code	Description	€
AIR098	Sector bronze 1" sprinkler SI-30P	106,25

> AIR099



DESCRIPTION

- Coupling: 1 1/4" male
- Angle: 23°
- Throw: > 30 mt

Specifics

- Recommended filtration: 40 mesh
- Working pressure: 3,5 ÷ 6,0 bar

Features

- Sector mini sprinkler, 2 nozzles
- Brass/bronze and stainless steel
- Standard nozzle: 10,32 x 5,55 mm (192,6 l/m - 5,0 bar)

- Recommended positionings: from 21 x 21 mt to 30 x 30 mt

Code	Description	€
AIR099	Sector bronze 1 1/4" sprinkler SI-40P	264,02

> ZS-30 Series Impact Sprinkler



Code	Coverage	Throw _{max} mt	€
AIR107	full circle	16,3	73,00

DESCRIPTION

Specifics

- Nozzle: 6 nozzles - 3,5 ÷ 5,2 mm (standard 4,0 mm)
- Working pressure: 2,5 ÷ 4,5 bar
- Throw-range: 13 ÷ 16,3 mt
- Hourly flow-rate: 0,69 ÷ 2,04 m³/h
- Angle: 30°
- Coupling: ¾" male

Features

- Impact sprinkler for fruit farming, horticulture and anti-frost protection
- Minimum working temperature: -10°C

> ZB-22 Series Impact Sprinkler



Code	Coverage	Throw _{max} mt	€
AIR108	full circle	17,8	67,00
AIR119	full circle	17,8	72,00
AIR113	sector	17,8	80,00

DESCRIPTION

Specifics

- Nozzle: 7 nozzles - 4,2 ÷ 7,0 mm (standard 4,2 mm)
- Working pressure: 2,5 ÷ 4,5 bar
- Throw range: 14,5 ÷ 17,8 mt
- Hourly flow-rate: 0,99 ÷ 3,82 m³/h
- Angle: 22°
- Coupling: ¾" female
- Full circle and sector

Features

- Impact sprinkler for fruit farming and horticulture
- Sector sprinkler with command lever to be used as a full circle sprinkler
- Protection ring and cap against sand
- Nozzle is equipped with radius adjustment screw

> ZE-30 Series Impact Sprinkler



Code	Coverage	Throw _{max} mt	€
AIR102	full circle	21,8	85,00
AIR103	sector	21,8	144,00

DESCRIPTION

Specifics

- Nozzle: 4 nozzles - 4,5 ÷ 7,0 mm (standard 5,0 mm)
- Working pressure: 3,0 ÷ 7,0 bar
- Throw range: 14,0 ÷ 21,8 mt
- Hourly flow-rate: 1,25 ÷ 4,61 m³/h
- Angle: 30°
- Coupling: 1" male
- Full circle and sector

Features

- Impact sprinkler for fruit farming and horticulture
- Sector sprinkler with command lever to be used as full circle sprinkler
- Protection cap
- Radius adjustment screw

> ZK-30 Series Impact Sprinkler



Code	Coverage	Throw _{max} mt	€
AIR120	full circle	27,5	120,00
AIR121	sector	27,5	207,00

DESCRIPTION

Specifics

- Nozzle: 4 nozzles - 8,0 ÷ 11,0 mm (standard 8,0 mm)
- Working pressure: 3,0 ÷ 7,0 bar
- Throw range: 19,8 ÷ 27,5 mt
- Hourly flow-rate: 3,94 ÷ 11,39 m³/h
- Angle: 30°
- Coupling: 1" male
- Full circle and sector

Features

- Impact sprinkler for fruit farming and horticulture
- Sector sprinkler with command lever to be used full circle sprinkler
- Protection cap
- Radius adjustment screw

> P2-M Series Piston Drive Sprinkler



Code	Model	Angle	Thr. mt	€
AIR002	P2-M	25°	42 ÷ 69	1.897,00
AIR009	P2-M-var*	15° ÷ 47° adjustable	35 ÷ 61	3.504,00

*Dust reduction

DESCRIPTION

Specifics

- Nozzle: 9 nozzles available - 18 ÷ 34 mm
- Secondary nozzle: 7 mm
- Working pressure: 5,0 ÷ 8,0 bar
- Hourly flow-rate: 30 ÷ 122 m³/h
- Coupling: 3" female

Features

- Piston single driving minutes
- Ongoing rotation with no vibrations
- Adjustable rotation speed 2 ÷ 7
- Uniform watering
- Driving by closed cage piston

Sprinklers > Impact



> Funny



Sector



Circular

Code	Description	€
AIR032	1" female, Funny sector sprinkler	68,50
AIR033	1" female, Funny circular sprinkler	51,40

DESCRIPTION

Specifics

- Coupling: 1" male
- Angle: 28°
- Models: sector and full circle
- Throw: 12,5 ÷ 19,5 mt
- Recommended filtration: 40 mesh
- Working pressure: 1,5 ÷ 4,0 bar

Features

- Sector sprinkler, 1 nozzle
- Brass/bronze and stainless steel
- Nozzle: 5/9 mm (6 mm 3,0 bar: 39 l/m)
- Recommended positionings:
from 17 x 17 mt to 27 x 27 mt

> K1



Sector



Circular

Code	Description	€
AIR028	1"¼ female sector K1 sprinkler	115,50
AIR029	1"¼ female circular K1 sprinkler	85,60

DESCRIPTION

Specifics

- Coupling: 1"¼ female
- Angle: 30°
- Throw: 16 ÷ 23 mt
- Models: sector and full circle
- Recommended filtration: 40 mesh
- Working pressure: 1,5 ÷ 4,0 bar

Features

- Sector sprinkler, 1 nozzle
- Brass/bronze and stainless steel
- Nozzle: 8/12 mm (9 mm 3,0 bar: 87 l/m)
- Recommended positionings:
from 22 x 22 mt to 33 x 33 mt

Irrifast System > Spraying System, PN6 Quick Coupling



PIPE

Code	Description	Ø mm	€
RRT098	6 mt PN6 pipe with quick coupling	50	20,90
RRT099	6 mt PN6 pipe with quick coupling	63	25,30
RRT100	6 mt PN6 pipe with quick coupling	75	35,20
RRT101	6 mt PN6 pipe with quick coupling	90	49,50
RRT102	6 mt PN6 pipe with quick coupling	110	79,20

Only Ø 90 available, other Ø on request



FITTINGS

Code	Description	Ø mm	€
RRT075	Hydrant	63	6,50
RRT076	Hydrant	75	10,90
RRT077	Hydrant	90	12,10
RRT078	Hydrant	110	14,30
RRT123	PVC white riser pipe H. cm 33	1"	1,50
RRT126	PVC white riser pipe H. cm 110	1"	4,40
RRT031	"T"	63 x 63	9,80
RRT032	"T"	75 x 75	15,40
RRT033	"T"	90 x 75	18,20
RRT034	"T"	90 x 90	19,40
RRT035	"T"	110 x 75	27,10
RRT036	"T"	110 x 90	28,10
RRT037	"T"	110 x 110	31,90
RRT066	Elbow	50	8,00
RRT067	Elbow	63	8,90
RRT068	Elbow	75	12,80
RRT069	Elbow	90	16,10
RRT070	Elbow	110	26,00
RRT174	Male head latch	50	3,70
RRT175	Male head latch	63	3,80
RRT176	Male head latch	75	5,90
RRT177	Male head latch	90	6,50
RRT178	Male head latch	110	10,20
RRT084	Female head latch	50	1,10
RRT085	Female head latch	63	1,10
RRT086	Female head latch	75	2,30
RRT087	Female head latch	90	3,20
RRT088	Female head latch	110	6,90

FITTINGS

Code	Description	Ø mm	€
RRT130	Female cap	50	1,30
RRT131	Female cap	63	1,40
RRT132	Female cap	75	2,80
RRT133	Female cap	90	3,90
RRT134	Female cap	110	8,00
RRT114	Male cap	50	3,90
RRT115	Male cap	63	4,10
RRT116	Male cap	75	6,30
RRT117	Male cap	90	7,20
RRT118	Male cap	110	11,30
RRT054	Reduction	75 x 50	9,60
RRT055	Reduction	75 x 63	9,80
RRT056	Reduction	90 x 75	14,10
RRT057	Reduction	110 x 75	18,10
RRT058	Reduction	110 x 90	19,70
RRT059	Reduction	125 x 90	28,70
RRT005	Cross	75 x 63	16,00
RRT006	Cross	75 x 75	20,37
RRT007	Cross	90 x 75	26,30
RRT008	Cross	90 x 90	29,20
RRT009	Cross	110 x 75	33,40
RRT010	Cross	110 x 90	36,00
RRT011	Cross	110 x 110	40,00
RRT135	Pump connector 1"½ M	50 M	12,11
RRT136	Pump connector 2" M	63 M	12,94
RRT013	Pump connector 2"½ M	75 M	19,30
RRT014	Pump connector 3" M	90 M	22,80
RRT015	Pump connector 4" M	110 M	28,90
RRT106	Pump connector 1"½ F	50 F	10,98
RRT107	Pump connector 2" M	63 F	11,70
RRT108	Pump connector 2"½ M	75 F	15,30
RRT109	Pump connector 3" M	90 F	19,70
RRT110	Pump connector 4" M	110 F	27,60
RRT127	Adapter F/F	1" x ¾"	0,70



Accessories >

> Micro Hose

Code	Use	Material	Ø _{int/est} mm	Box mt	€/mt	
OTB080	Sprinkling system	Black PVC	4/7	200	0,6804	
OTB085	Sprinkling system	White PVC	4/7	200	0,6020	
OTB100	130 l/h max sprinkling	Black PE	4/7	200	0,3980	
OTB086	130 l/h max sprinkling	White PE	4/7	200	0,3980	

> Micro-Sprinklers Fittings

Code	Description	Box	€/each	
RMP880	Fitting 4/7 x 4/7	100	0,0880	
RMP881	Fitting 4/7 x male	100	0,0880	
RMP891	Fitting Conical M x male	100	0,5477	
RMP882	Fitting Ø 4/7 x female	100	0,2899	
RMP883	Fitting Ø 3/8 x female	100	0,4230	

> Accessories for Micro and Mini Sprinklers

Code	Description	€	
RMP950	Ø 9/13 - 7/10 coupling x PE hose starter	0,2530	
RTA067	Cap 9/13 x starter 10 mm Superstart-PSS12	0,3190	
RLF001	Lay-Flat starter for 10 mm hose	1,3200	
OSR251	FNF - quick coupling	0,6930	
RSTD022	Self-compensating stand 540 l/h max - Pe hose Ø 12 mm x 120 cm	4,2700	
RSTD025	Normal stand - PE pipe 12 mm x 120 cm	3,2200	
OAT250	Iron stake (8 mm Ø x 120 cm)	4,2840	

> Micro Hose Sprinklers Kit

Code	Description		Conf.	€/cad	
OSA106*	Assembled stands for Rondo/FRF	60 cm 4/7 PE hose + conical IN/OUT fittings	1	1,32	
OSA108	Assembled stands for Rondo/FRF	60 cm PE 4/7 hose + OUT conical M fitting	1	0,55	
OSA109*	Assembled stands for Rondo/FRF	60 cm PE 4/7 + IN 4/7 + OUT conical M fitting		1,32	
OSA112	Assembled stands for Rondo/FRF	60 cm PE 4/7 pipe + IN 4/7 connection	1	0,65	
OSA114	Assembled stands for Rondo/FRF double FLF and cross	35 cm PVC 4/7 pipe + fittings IN 4/7 x OUT conical M + stabilizer	1	1,70	
OSA119	Stand (4/7 35 cm hose) with fittings + stabilizer for single FLF		500	1,95	

*While stocks last

> Stand for Sprinklers

Code	Description	Features - Application	Input	Output	Box	€/each	
OSA105	Cantal peg - 35 cm	Meteor #44 support	-	-	550	0,45	
OSA104	Hammer peg	Rondo, RFR, Jet+, JFR, S2000	4 x 7 mm	3/8"	500	0,75	
OSA100	Meteor 44 support	Rondo, RFR, Jet+, JFR, S2000, Super XL	4 x 7 mm	3/8"	500	0,18	
OSA115*	Meteor 75 support	Rondo, RFR, Jet+, JFR	1/8"	3/8"	1	0,42	
OSA102	Meteor 47 support	Rondo, RFR, Jet+, JFR	5 x 8 mm	3/8"	500	0,42	
OSA116	Meteor 17 support - PC 2,5 bar	Rondo, S2000, Super XL	9 x 13 mm	3/8"	500	3,50	
OSA103	Stabilizer	For micropipe 4/7	-	-	400	0,90	

*While stocks last



FILTRATION

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AUTOMATIC DOUBLE CHAMBER FILTERS	62

Manual Filters > Plastic

> Screen Filter

Code	Coupling Ø	Screen material	Q _{max} m³/h	€	
AFL120	½"	polyamide	5	11,60	
AFL121	¾"	polyamide	5	11,60	
AFL122	1"	polyamide	6	11,60	
AFL123	1"¼	polyamide	9	22,10	
AFL124	1"½	polyamide	10	32,20	
AFL125	2"	stainless steel	23	100,30	
AFL126	3"	stainless steel	46	184,60	

DESCRIPTION

Application

- Security or primary filter for medium/small irrigation systems

Specifics

- Filtering element: 120 mesh standard
- Maximum working pressure: 8 bar
- Polyamide filtering screen (2" and 3" stainless steel screen)
- Polypropylene filtering screen support
- Screw closing cap (3" with steel strip)
- Code colour to identify filtering level

Features

- 2" and 3" models set for pressure gauge (¼")
- Filter cap set for discharge valve

Materials

- Polypropylene body
- Polyamide/stainless steel screen
- Polypropylene net support
- NBR seals



> Reinforced Body Screen

Code	Coupling Ø	Body	Q _{max} m³/h	€	
AFL127	2"	Short	40	251,80	
AFL128	2"	Long	48	321,10	
AFL129	3"	Long	60	321,10	

DESCRIPTION

Application

- Security or primary filter for medium/small irrigation systems

Specifics

- Filtering element: 120 mesh standard
- Maximum working pressure: 8 bar
- Coupling: male threaded
- Polyamide filtering screen
- Polypropylene filtering screen support
- Screw closing cap (3" with stainless steel strip)
- Code colour to identify filtering level

Features

- Predisposition for pressure gauges (¼")
- Filter cap set for discharge valve

Materials

- Fiberglass nylon body
- Polyamide screen
- Polyethylene screen support
- EPDM seals



> Semi-automatic Reinforced Body Screen



Code	Coupling Ø	Body	Q _{max} m ³ /h	€	
AFL130	2"	Short	40	401,30	
AFL131	3"	Long	60	541,80	

DESCRIPTION

Application

- Security or primary filter for medium irrigation systems
- Semi-automatic manual cleaning by crank

Specifics

- Filtering element: 120 mesh standard
- Maximum working pressure: 8 bar
- Coupling: male threaded (victaulic on request)
- Polyamide filtering screen
- Polypropylene support screen
- Screw closing cap (3" with stainless steel band)
- Code colour to identify filtering level

Features

- Predisposition for pressure gauges (1/4")
- Filter cap set for discharge valve

Materials

- Polypropylene body
- Polyethylene screen support
- Polyamide screen
- EPDM seals

> Swivel Disk Filter TS

Code	Coupling Ø	Q _{max} m ³ /h	€	
AFL549	3/4"	3	31,10	
AFL550	1"	5	31,10	
AFL551	1 1/2"	12	126,40	
AFL552	2"	20	144,80	

DESCRIPTION

Application

- Security filter for residential irrigation systems or agriculture
- Filter with female swivel for quick application

Specifics

- Filtering element: 120 mesh standard
- Maximum working pressure: 10 bar
- Coupling: rotating female swivel
- Filtering element: disks
- Closing cap: screw
- Code colour to identify filtration level

Features

- Predisposition for pressure gauges
- Filter cap set for discharge valve

Materials

- Body, cap and disks support: polypropylene
- Polyethylene disks
- Spring: stainless steel
- Seals: EPDM

> Disks

Code	Coupling Ø	Q _{max} m ³ /h	€	
AFL145	3/4"	5	31,40	
AFL146	1"	6	31,40	
AFL147	1 1/4"	10	58,90	
AFL148	1 1/2"	14	58,90	

DESCRIPTION

Application

- Security filter for residential irrigation systems or agriculture

Specifics

- Maximum working pressure: 10 bar
- Coupling: male thread
- Filtering element: 120 mesh disks
- Closing cap: screw
- Code colour to identify filtration level

Features

- Predisposition for pressure gauges
- Filter cap set for discharge valve

Materials

- Body, cap and disks support: polypropylene
- Polyethylene disks
- Spring: stainless steel
- Seals: EPDM



Manual Filters > Plastic

> Disk Series SD

Code	Body	Coupling Ø	Discharge Ø	Q _{max} m³/h	€	
AFL420	Short single	2"		20	167,60	 2 WAYS
AFL424	Short single	2"	1"½	20	186,00	
AFL421S	Long single	2"L	1"½	35	247,90	 2 WAYS + discharge
AFL421	Long single	3"	2"	45	251,30	

DESCRIPTION

Application

- Security filter for agriculture

Specifics

- Maximum working pressure: 8 bar
- Coupling: male thread
- Filtering element: 120 mesh standard
- Closing cap: stainless steel band
- Code colour to identify filtration level

Features

- Predisposition for pressure gauges
- Filter cap set for discharge valve

Materials

- Body, cap and disks support: ABS - 3" fiberglass reinforced nylon
- ABS disks
- Seals: EPDM



> Disks Series MV

Code	Coupling Ø	Q _{max} m³/h	€	
AFL053	2"	40	251,00	
AFL055	3"	50	263,70	

DESCRIPTION

Application

- Security filter for agriculture

Specifics

- Maximum working pressure: 6 bar
- Coupling: male thread
- Filtering element: 120 mesh disks
- Closing cap: stainless steel band
- Code colour to identify filtration level

Features

- Predisposition for pressure gauges
- Filter cap set for discharge valve

Materials

- Body, cap and disks support: fiberglass polyamide
- Polypropylene disks
- Seals: EPDM



> Double Disk Series MV

Code	Coupling Ø	Q _{max} m³/h	€	
AFL058	3"	60	391,00	
AFL059	4"	80	425,50	
AFLT431	6" Vic	160	1.309,40	

DESCRIPTION

Application

- Security filter for agriculture

Specifics

- Maximum working pressure: 8 bar
- Coupling: male thread/victaulic
- Filtering element: 120 mesh
- Closing cap: stainless steel band
- Code colour to identify filtration level

Features

- Predisposition for pressure gauges
- Filter cap set for discharge valve

Materials

- Body, cap and disks support: fiberglass polyamide
- Polypropylene disks
- Seals: EPDM



> Screen Filters Giunti Filtroline 510 Series

Code	Cou. Ø	Q _{max} m ³ /h	Filt. area cm ²	€	
AFL5103	DN80	36	1.757	715,00	
AFL5104	DN100	72	2.203	742,50	
AFL5105	DN125	108	2.939	866,25	
AFL5106	DN150	180	4.861	1.072,50	

DESCRIPTION

Application

- Safety filter for agricultural plants

Specifics

- Maximum pressure: 10 bar
- Connections: flanged
- Filter element: nylon sock
- Support: stainless steel
- Filter element: 150 mesh standard
- Closure: screw

Features

- Filter cover with drain valve
- Horizontal in-line installation

Materials

- Body: galvanised steel
- Lid: light alloy



> Screen Filters Giunti Filtrofly 520 Series

Code	Cou. Ø	Q _{max} m ³ /h	Filt. area cm ²	€	
AFL5202	2"	18	869	408,38	
AFL5203	3"	36	1.757	441,38	
AFL5204	4"	72	2.203	510,13	
AFL5205	5"	108	2.939	627,00	

DESCRIPTION

Application

- Safety filter for agricultural plants

Specifics

- Maximum pressure: 6 bar
- Connections: threaded
- Filter element: nylon sock
- Support: stainless steel
- Filter element: 150 mesh standard
- Closure: screw

Features

- Filter cover with drain valve
- Horizontal in-line installation

Materials

- Body: galvanised steel
- Lid: light alloy



> Screen Filters Giunti Filtrofly 521 Series

Code	Cou. Ø	Q _{max} m ³ /h	Filt. area cm ²	€	
AFL5212	60	18	869	398,75	
AFL5213	80	36	1.757	426,25	
AFL5214	100	72	2.203	503,25	
AFL5215	120	108	2.939	610,50	

DESCRIPTION

Application

- Safety filter for agricultural plants

Specifics

- Maximum pressure: 6 bar
- Connections: spherical ferrari
- Filter element: nylon sock
- Support: stainless steel
- Filter element: 150 mesh standard
- Closure: screw

Features

- Filter cover with drain valve
- Horizontal in-line installation

Materials

- Body: galvanised steel
- Lid: light alloy



> Screen Filters Giunti Filtrosfer 530 Series

Code	Cou. Ø	Q _{max} m ³ /h	Filt. area cm ²	€	
AFL5302	2"	18	869	349,25	
AFL5303	3"	36	1.236	358,88	
AFL5304	4"	72	1.841	408,38	

DESCRIPTION

Application

- Safety filter for agricultural plants

Specifics

- Maximum pressure: 6 bar
- Connections: threaded
- Filter element: nylon sock
- Media: stainless steel
- Filter element: 150 mesh standard
- Closure: spherical lever

Features

- Filter cover with drain valve
- Horizontal in-line installation

Materials

- Body: galvanised steel
- Lid: galvanised steel



> Screen Filters Giunti Filtrosfer 531 Series

Code	Cou. Ø	Q _{max} m ³ /h	Filt. area cm ²	€	
AFL5312	60	18	869	349,25	
AFL5313	80	36	1.236	358,88	
AFL514	100	72	1.841	408,38	

DESCRIPTION

Application

- Safety filter for agricultural plants

Specifics

- Maximum pressure: 6bar
- Connections: spherical ferrari
- Filter element: nylon sock
- Support: stainless steel
- Filter element: 150 mesh standard
- Closure: spherical lever

Features

- Filter cover with drain valve
- Horizontal in-line installation

Materials

- Body: galvanised steel
- Lid: galvanised steel



> "Y" Screen STF

Code	Coupling Ø	Q _{max} m ³ /h	€	
AFL600	2" Threaded M	20	912,00	
AFL601	DN80 Flanged	40	1.045,44	
AFL603	DN100 Flanged	100	1.567,24	
AFL604	DN125 Flanged	100	1.761,00	
AFL605	DN150 Flanged	150	2.791,80	
AFL606	DN200 Flanged	300	6.294,24	
AFL607	DN250 Flanged	400	7.640,40	
AFL608	DN300 Flanged	475	10.432,00	

DESCRIPTION

Application

- Security filter for agriculture

Specifics

- Maximum working pressure: 10 bar
- Coupling: 2" threaded, other: flanged
- Filtering element: stainless steel screen 140 mesh standard
- Closing cap: 2" - 3" screw other: bolts

Features

- Filter cap for discharge valve
- Horizontal installation

Materials

- Body and cap: epoxy/polyester painted steel
- Filtering screen: stainless steel with PVC support
- Seals: EPDM



> Mesh STF 'Y' Self-Cleaning Effect

Code	Coupling Ø	Q _{max} m ³ /h	€	
AFL630	2" Male threaded	38	1.035,72	
AFL631	DN80 Flanged	55	1.462,68	
AFL632	DN100 Flanged	65	1.734,24	
AFL633	DN125 Flanged	65	1.860,36	
AFL634	DN150 Flanged	115	3.548,52	

DESCRIPTION

Application

- Self-cleaning cyclone-effect safety filter for agricultural systems

Specifics

- Maximum working pressure: 10 bar
- Coupling: 2" threaded, other: flanged
- Filtering element: stainless steel screen 140 mesh standard
- Closing cap: screw, DN150 with bolts

Features

- Filter cap for discharge valve
- Horizontal installation

Materials

- Body and cap: epoxy/polyester painted steel
- Filtering screen: stainless steel with PVC support
- Seals: EPDM



> Semi-automatic Disk Filter

Code	Coupling Ø	Q _{max} m ³ /h	€	
AFL157	3"	36	828,00	
AFL159	DN80	36	828,00	
AFL158	4"	72	908,50	
AFL160	DN100	72	908,50	

DESCRIPTION

Application

- Semi-automatic disk filter with manual backwash

Specifics

- Maximum pressure: 10 bar mesh
- Filtering element: stainless steel 120 • Screw-down closure

Features

- Disk filter manual backwash • Ball valve for discharging

Materials

- Body, cap: painted steel • Filtering element: SS grid



> Assembled Filtering System

Code	Coupling Ø	N° filters	Q _{max} m ³ /h	€	
AFLB400	DN100	1	72	3.040,00	
AFLB402	DN150	2	140	7.440,00	
AFLB403	DN150	3	210	11.200,00	
Other versions on request					

DESCRIPTION

Application

- Preassembled filtering system with hydrocyclon and screen filter

Specifics

- Maximum pressure: 8 bar • Filtering element: stainless steel screen, 120 mesh
- Couplings: DN100 flanged • Closing: screw

Features

- DN100 hydrocyclon • Painted/galvanized steel manifolds
- Self-cleaning, manual screen filter (DN100) • Butterfly valve
- Ø ¾" fertigation predisposition

Materials

- Body, cap: galvanized steel • Filtering element stainless steel screen



> Plastic Hydrocyclon Series S

Code	Coupling Ø	Q _{max} m ³ /h	€	
AFL695	DN50 - 2"	15 ÷ 25	373,50	
AFL696	DN65 - 2" ½	25 ÷ 40	456,50	
AFL697	DN80 - 3"	35 ÷ 52	572,70	

DESCRIPTION

Application

- Cyclonic effect filter for sand separation

Specifics

- Maximum pressure: 6 bar
- Couplings: flanged and threaded

Features

- Wholly plastic body • installation
- Inspectable tank for sand collection • Input/output: 90°degrees included
- Including drain valve • Unscrewable flange for threaded connection
- Self-supporting for an easy

Materials

- Body and tank: reinforced polyamide • Seals: EPDM (if any)
- Tank closing band: stainless steel



Manual Filters > Sand Separators

> Plastic Hydrocyclones with Metal Reservoir

Code	Coupling Ø	Q _{max} m ³ /h	€	
AFL064	3" VT	30 ÷ 40	476,10	

DESCRIPTION

Application

- Cyclonic effect filter for sand separation

Specifications

- Maximum pressure: 6 bar
- Connections: victaulic

Features

- Body made entirely of plastic material
- Self-supporting for easy installation
- Sand collection tank
- Inlet/outlet: 90°
- Drain valve included

Materials

- Body: reinforced polyamide
- Tank closure strip: stainless steel
- Tank: painted metal
- EPDM gaskets (where fitted)

> Painted Hydrocyclon

Code	Description	Coupling Ø	Q _{max} m ³ /h	€	
AFL510	Mini hydrocyclon	¾"	Male	3 ÷ 5	258,80
AFL511	Mini hydrocyclon	1"	Male	5 ÷ 10	285,20
AFL512	Mini hydrocyclon	1" ¼	Male	7 ÷ 12	287,50
AFL517	Mini hydrocyclon	1" ½	Male	9 ÷ 15	322,00
AFL513	Hydrocyclon	2"	Male	14 ÷ 24	448,50
AFL523	Hydrocyclon	2" ½	Male	25 ÷ 30	454,30
AFL514-F	Hydrocyclon	3"	Male	30 ÷ 35	736,00
AFL515-F	Hydrocyclon	4"	Male	35 ÷ 60	805,00
AFL514	Hydrocyclon	DN80	Flanged	30 ÷ 35	736,00
AFL515	Hydrocyclon	DN100	Flanged	35 ÷ 60	805,00
AFL524*	Hydrocyclon	DN150	Flanged	85 ÷ 160	3.047,50

*Available on request - galvanized hydrocyclones available on request

DESCRIPTION

Application

- Cyclonic effect filter for sand separation

Specifics

- Maximum pressure: 8 bar
- Couplings: threaded, flanged

Features

- Inspectable tank for sand collection included
- Self-supporting for an easy installation
- Discharge valve
- Input/output: 90°

Materials

- Body and tank: epoxy painted steel
- Seals: EPDM (if any)

Manual Filters > Aspiration

> Self-Cleaning Pre-Filter

Code	Ø _{flange}	Q _{max} m ³ /h	€	
AVF020	DN100	100	1.702,60	
AVF021	DN150	180	2.189,60	
AVF022	DN200	300	2.789,40	

DESCRIPTION

Application

- Pre-filter for lifting systems from channel, lake, basin

Specifics

- Maximum pressure: 10 bar
- Filtering element: 2500 micron (2,5 mm) SS screen
- Fittings: flanged
- Filtering element cleaning system: recirculating water

Features

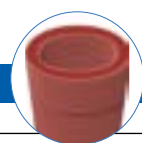
- Cleaning nozzle consumption: 5 m³/h - 4 bar
- Cleaning system optimum range: 2 ÷ 6 bar
- It does not include include foot valve

Materials

- Body, cap: steel, epoxy/galvanized steel coating
- Cleaning system: PVC/brass
- EPDM seals



> Disk Filtering Stations SD-CLEAN



DESCRIPTION

Application

- Automatic disk filter for agriculture

Specifics

- Maximum pressure: 8 bar
- Maximum working pressure: 2,5 bar
- Fittings: flanged
- Wastewater output: 2"
- Filtering element: disk, 120 mesh standard
- Lock-up cap: stainless steel band
- Code colour to identify filtration level
- 3 ways backwash valves
- Backwash control system by differential time and pressure

Features

- Control unit supply:
 - 220 V AC-filter flush
 - battery (4x1,5V) - Filtron 1-10
- Input/output manifolds printed mono-block
- Hydraulic safety-related control
- Backwash valve: Bermad Ø 2"
- 2" L filter with increased surface equal to a 3" standard filter

Materials

- High-density polypropylene manifolds
- Reinforced plastic hydrovalves
- Wide hydraulic passage for solenoids control



Inches	Backwash minimum flow-rate
2"	8 m ³ /h
2"L	10 m ³ /h

MANIFOLDS Ø MM

Filter	Units	Ø
2"	2	90
2"	3	110
2"	4	140
2"L	2	90
2"L	3	110
2"L	4	140
2"L	5	160
2"L	6	160
Other diameters and models on request		

SD-CLEAN FILTER WITH 24 V AC SUPPLY

Code	Model	Units	Valve Ø	Q _{max} m ³ /h	€ without programme	€
AFL1061	SD-CLEAN 2x2"	2	2" x 2" x 2"	40	3.793,90	4.140,00
AFL1062	SD-CLEAN 3x2"	3	2" x 2" x 2"	60	4.972,60	5.359,00
AFL1063	SD-CLEAN 4x2"	4	2" x 2" x 2"	80	6.122,60	6.509,00
AFL1068	SD-CLEAN 2x2"L	2	2" x 2" x 2"	52	4.104,40	4.450,50
AFL1069	SD-CLEAN 3x2"L	3	2" x 2" x 2"	78	5.271,60	5.658,00
AFL1070	SD-CLEAN 4x2"L	4	2" x 2" x 2"	104	6.709,10	7.095,50
AFL1060	SD-CLEAN 5x2"L	5	2" x 2" x 2"	130	8.334,10	8.797,50
AFL1064	SD-CLEAN 6x2"L	6	2" x 2" x 2"	175	9.071,20	9.890,00

WORKING FLOW-RATE M³/H

Model	Water quality		
	High	Medium	Low
2 x 2"	34	24	16
3 x 2"	51	36	24
4 x 2"	68	48	32
2 x 2"L	44	31	21
3 x 2"L	66	47	31
4 x 2"L	88	62	42
5 x 2"L	111	78	52

Ø	Units				
	2	3	4	5	6
mm ² filtering surface					
2"	1.794	2.691	3.588		
2"L	3.100	4.650	6.200	7.750	9.300

SD-CLEAN FILTER WITH 12 V DC LATCH SUPPLY

Code	Model	Units	Valve Ø	Q _{max} m ³ /h	€ without programme	€
AFL1065	SD-CLEAN 2x2"	2	2" x 2" x 2"	40	4.018,10	4.278,00
AFL1066	SD-CLEAN 3x2"	3	2" x 2" x 2"	60	4.736,90	5.065,80
AFL1067	SD-CLEAN 4x2"	4	2" x 2" x 2"	80	5.800,60	6.129,50
AFL1071	SD-CLEAN 2x2"L	2	2" x 2" x 2"	52	4.121,60	4.381,50
AFL1072	SD-CLEAN 3x2"L	3	2" x 2" x 2"	78	4.869,10	5.198,00
AFL1073	SD-CLEAN 4x2"L	4	2" x 2" x 2"	104	6.375,60	6.704,50
AFL1074	SD-CLEAN 5x2"L	5	2" x 2" x 2"	130	7.532,50	8.124,50
AFL1075	SD-CLEAN 6x2"L	6	2" x 2" x 2"	175	8.482,40	8.974,70

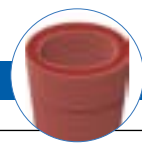
Note: for the filter code without control unit and pressure switch add -S to the code in the table (ex: AFL1065-S)

*For management with other automation systems insert differential pressure switch page 64



Automatic Filters >

> Disk Filtering Stations OPENABLE SPINE SD-SUPERCLEAN



DESCRIPTION

Application

- Automatic disk filter for agriculture with a hydraulic release device

Specifics

- Maximum pressure: 8 bar
- Maximum working pressure: 2,8 bar
- Fittings: flanged
- Wastewater output: 2"
- Filtering element: disk, 140 mesh standard
- Lock-up cap: stainless steel band
- Code colour to identify filtration level
- 3 ways backwash valves
- Backwash control system by differential time and pressure

Features

- Control unit supply: 220V AC-filter flush/battery (4x1,5V)/Filtron 1-10
- Input/output manifolds printed mono-block
- Hydraulic safety-related control
- Backwash valve: Bermad Ø 2"
- 2" L filter with increased surface equal to a 3" standard filter

Materials

- High-density polypropylene manifolds
- Reinforced plastic hydrovalves
- Wide hydraulic passage for solenoids control

Inches	Backwash minimum flow-rate
2"L	10 m³/h
3"Double	15 m³/h

MANIFOLDS Ø MM

Filter	Units	Ø*
2"L	2	90
2"L	3	110
2"L	4	140
2"L	5	160
2"L	6	160
3"Double	3	160
3"Double	4	200
3"Double	5	200
3"Double	6	200
Other diameters on request		
*Calculated on grade of filtration of 140 mesh/105 micron		

SD-SUPERCLEAN FILTER WITH POWER SUPPLY 24 V AC

Code	Model	Units	Valve Ø	Q _{max} m³/h	€ without programme	€
AFL2068	SD-SUPERCLEAN 2x2"L	2	2" x 2" x 2"	52	4.081,40	4.427,50
AFL2069	SD-SUPERCLEAN 3x2"L	3	2" x 2" x 2"	78	5.478,60	5.965,40
AFL2070	SD-SUPERCLEAN 4x2"L	4	2" x 2" x 2"	104	6.993,20	7.533,70
AFL2071	SD-SUPERCLEAN 5x2"L	5	2" x 2" x 2"	130	8.219,10	9.574,60
AFL2072	SD-SUPERCLEAN 6x2"L	6	2" x 2" x 2"	156	9.358,70	10.177,50
AFL3002	SD-SUPERCLEAN 2x3"Double	2	3" x 2" x 3"	100	7.473,90	7.820,00
AFL3003	SD-SUPERCLEAN 3x3"Double	3	3" x 2" x 3"	150	9.676,10	10.062,50
AFL3004	SD-SUPERCLEAN 4x3"Double	4	3" x 2" x 3"	200	12.570,70	12.995,00
AFL3005	SD-SUPERCLEAN 5x3"Double	5	3" x 2" x 3"	250	14.073,70	15.200,80

WORKING FLOW-RATE M³/H

Model	Water quality		
	High	Medium	Low
2 x 2"L	44	31	21
3 x 2"L	66	47	31
4 x 2"L	88	62	42
5 x 2"L	111	78	52
6 x 2"L	133	94	62
2 x 3"Double	85	60	40
3 x 3"Double	128	90	60
4 x 3"Double	170	120	80
5 x 3"Double	213	150	100
6 x 3"Double	256	180	120

Ø	Units					
	2	3	4	5	6	
mm² filtering surface						
2"L	3.100	4.650	6.200	7.750	9.300	
3"Double	6.200	9.300	12.400	15.500	18.600	

SD-SUPERCLEAN FILTER WITH POWER SUPPLY 12 V DC LATCH

Code	Model	Units	Valve Ø	Q _{max} m³/h	€ without programme	€
AFL2102	SD-SUPERCLEAN 2x2"L	2	2" x 2" x 2"	52	3.998,80	4.561,40
AFL2103	SD-SUPERCLEAN 3x2"L	3	2" x 2" x 2"	78	5.306,10	5.635,00
AFL2104	SD-SUPERCLEAN 4x2"L	4	2" x 2" x 2"	104	6.858,60	7.187,50
AFL2105	SD-SUPERCLEAN 5x2"L	5	2" x 2" x 2"	130	8.061,50	8.659,60
AFL2106	SD-SUPERCLEAN 6x2"L	6	2" x 2" x 2"	156	9.494,40	9.947,50
AFL3102	SD-SUPERCLEAN 2x3"Double	2	3" x 2" x 3"	100	7.330,10	7.590,00
AFL3103	SD-SUPERCLEAN 3x3"Double	3	3" x 2" x 3"	150	9.503,60	9.832,50
AFL3104	SD-SUPERCLEAN 4x3"Double	4	3" x 2" x 3"	200	12.436,10	12.765,00
AFL3105	SD-SUPERCLEAN 5x3"Double	5	3" x 2" x 3"	250	14.271,50	14.662,50

Note: for the filter code without control unit and pressure switch add -S to the code in the table (ex: AFL1065-S)

*For management with other automation systems insert differential pressure switch page 64



> Horizontal Screen Filter SMARTFILTER STF Series



NEW



DESCRIPTION

Application

- Horizontal, automatic screen filter for agriculture

Specifics

- Maximum pressure: 10 bar (others on request)
- Minimum working pressure: 2,5 bar
- Fittings: flanged
- Wastewater output: 2"
- Filtering element: 125 micron (120 mesh) standard
- Bluetooth backwash control system by differential time and pressure

Features

- Water input pre-filtering bucket
- Unit control supply: battery
- Hydraulic safety-related control
- Bluetooth control unit
- Innovative, high-strength three-dimensional filter mesh

Materials

- Filter body: epoxy/polyester painted steel
- Filtering screen support: co-pressed polypropylene
- Bucket reinforce structure: stainless steel sheet

Code	Filtering area cm ²	Q _{nom} m ³ /h	Q _{working} m ³ /h and water quality			It consumption per washing
			High	Medium	Low	
AFL483	1.600	110	60	50	35	25
AFL484	3.200	150	100	75	55	49
AFL486	4.800	200	160	135	95	110
AFL488	6.400	260	230	180	120	178
AFL490	8.000	350	270	200	150	238

Code	Ø _{flange}	Q _{nom} m ³ /h	€
AFL483	3" - IN/OUT DN80	110	9.571,68
AFL484	4" - IN/OUT DN100	150	9.825,60
AFL486	6" - IN/OUT DN100	200	11.190,48
AFL488	8" - IN/OUT DN150	260	12.527,64
AFL490	10" - IN/OUT DN150	350	14.216,76

> Angle Screen Filters STF Series SF 100 Hydraulic



DESCRIPTION

Application

- Vertical hydraulic automatic screen filter for agriculture

Specifics

- Maximum pressure: 10 bar (other: on request)
- Minimum working pressure: 2,5 bar
- Fittings: flanged
- Wastewater output: 1"
- Filtering element: 100 micron (140 mesh) stainless steel screen
- Time and differential pressure backwash control system

Features

- Unit control supply: battery 4 x 1,5 V
- Hydraulic safety-related control

Materials

- Filter body: epoxy/polyester painted steel
- Filtering screen support: co-pressed polypropylene
- Bucket reinforce structure: stainless steel sheet

Code	Filt. area cm ²	Q _{nom} m ³ /h	Q _{working} m ³ /h and water quality			Backwash m ³ /h
			high	medium	low	
AFL699	910	50	30	20	10	2,4
AFL700	1.600	90	50	30	20	3,0
AFL701	2.400	150	70	50	25	3,0
AFL702	4.800	250	90	70	50	9,0

Code	Filtering cartridge	Ø _{flange}	Q _{nom} m ³ /h	€
AFL699	PP	DN50	50	4.522,95
AFL700	PP	DN80	90	4.811,65
AFL701	PP	DN100	150	5.911,92
AFL702	PP	DN150	250	9.064,94



> Angle Screen Filters STF Series SF 100 Electrical



DESCRIPTION

Application

- Vertical hydraulic automatic screen filter with electrical engine for agriculture

Specifics

- Maximum pressure: 10 bar (other: on request)
- Minimum working pressure: 1 bar
- Fittings: flanged
- Wastewater output: 1"
- Filtering element: 100 micron (140 mesh) standard stainless steel screen
- Time and differential pressure backwash control system

Features

- Electrical engine: 220V - 0,33 CV
- Control unit supply: 220V AC
- Hydraulic safety-related control

Materials

- Filter body: epoxy/polyester painted steel request)
- Filtering screen: stainless steel
- Filtering screen support: stainless steel (co-pressed on bucket reinforce structure: stainless steel sheet

Cod	Filt. area cm ²	Q _{nom} m ³ /h	Q _{working} m ³ /h and water quality			Backwash m ³ /h
			high	medium	low	
AFL800	1.000	70	20	15	10	2,4
AFL801	1.760	140	40	28	20	3,0
AFL802	2.650	200	60	48	34	3,0
AFL803	5.300	350	120	100	70	9,0

Code	Filtering cartridge	Ø _{flange}	Q _{nom} m ³ /h	€
AFL800	Stainless steel	DN50	70	14.018,04
AFL801	Stainless steel	DN80	140	14.277,48
AFL802	Stainless steel	DN100	200	15.210,36
AFL803	Stainless steel	DN150	350	17.615,76

> Horizontal Screen Filter STF Series SF 200 Electrical



DESCRIPTION

Application

- Horizontal, automatic screen filter for agriculture

Specifics

- Maximum pressure: 10 bar (other: on request)
- Minimum working pressure: 1 bar
- Fittings: flanged
- Wastewater output: 2"
- Filtering element: 100 micron (140 mesh) standard
- Backwash control system by differential time and pressure

Features

- Electric engine: 220V/400V - 0,5 CV
- Control unit supply: 220V AC
- Hydraulic safety-related control

Materials

- Filter body: epoxy/polyester painted steel
- Filtering screen: stainless steel
- Filtering screen support: stainless steel
- Bucket reinforce structure: stainless steel sheet

Code	Filtering area cm ²	Q _{nom} m ³ /h	Q _{working} m ³ /h and water quality			It consumption per washing
			High	Medium	Low	
AFL710	2.200	95	60	48	34	35
AFL711	4.390	180	110	90	70	70
AFL712	6.900	350	215	173	129	105
AFL713	9.400	590	320	256	192	140
AFL724	11.900	900	580	464	348	175
AFL715	14.700	1.000	700	560	420	140
AFL716	19.150	1.350	900	720	540	175

Code	Ø _{flange}	Q _{nom} m ³ /h	€
AFL710	DN80	95	23.731,20
AFL711	DN100	180	29.238,12
AFL712	DN150	350	35.275,44
AFL713	DN200	590	39.577,20
AFL724	DN250	900	42.653,04
AFL715	DN300	1.000	56.015,40
AFL716	DN350	1.350	60.902,52

Gravel Filters >



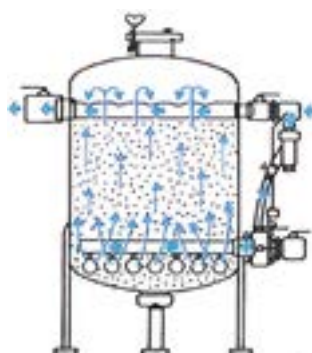
Filtration

1. Water inlet
2. Filter element (quartz grit or sand)
3. Water outlet
4. Collection collector



Backwash

- In order to remove the impurities accumulated in the filter layer, the filter is backwashed using the inlet as the normal water outlet



Note: All painted or galvanised grit filters, whether single or double chamber, have a filter identification plate rigidly fixed to the body.

This label bears the following data, suitable for the unambiguous identification of the product:

- filter model
- product serial number
- production date

> Single Chamber

Code	Description	Ø mm	Input/Output	Q _{max} m ³ /h	€
AFLT001	Painted	500	2"	18	1.109,80
AFLT008	Painted	750	3"/76 vt	40	1.454,80
AFLT037	Painted	900	89/89 vt	62	1.897,50
AFLT032	Painted	950	89/89 vt	68	1.897,50
AFLT036	Painted	1.200	DN100	120	3.612,70
AFLT011	Galvanized	500	2"	18	1.196,00
AFLT014	Galvanized	750	3"/76 vt	40	1.581,30
AFLT015	Galvanized	950	89/89 vt	68	2.152,10



DESCRIPTION

Application

- Surface waters, lakes, channels

Specifics

- Maximum pressure: 8 bar
- Couplings: threaded, flanged, victaulic
- Filtering element: 0,8/1,2 mm quartz
- Lock-up: 2" screw, others: bolts

Features

- Filtration nozzles bed
- Filtration nozzles 0,3 mm

Materials

- Body and cap: epoxy painted steel-galvanized steel
- Filtration nozzles: polypropylene
- Seals: EPDM

Code		Ø mm	Weight kg		Filtration nozzles nr
Painted	Galvanized		Body	Gravel	
AFLT001	AFLT011	500	50	125	15
AFLT008	AFLT014	750	70	275	20
AFLT037		900	170	350	42
AFLT032	AFLT015	950	120	375	41
AFLT036		1.200	280	600	55



Gravel Filters >

> Single Chamber with Manual Backwash

Code	Ø mm	Input/Output	Disch.	Q _{max} m ³ /h	€	
AFLB007	500	2"F/2"F	Ø 40 PE	18,0	2.006,00	
AFLB029	750	3"F/3"M	Ø 63 PE	40,0	2.541,50	
AFLB111	950	3"F/89 vt	3"	60,0	3.583,90	

DESCRIPTION

Application

- Surface waters, lakes, channels

Specifics

- Maximum pressure: 8 bar
- Couplings: threaded
- Filtration element:

Features

- Backnut ball valve in PVC input/output water and discharge backwash
- Input filter water backwash 2"
- 0,8 ÷ 1,2 mm quartz
- Painted filter body
- Security filter 2" and 3"
- Manometer

> Single Chamber with Automatic Backwash

Code	P.S.	Ø mm	Inp./Out.	Disc	Q _{max} m ³ /h	€	
AFLB008	220 V	500	2"F/2"F	Ø 2"	18,0	3.180,00	
AFLB009	12 VDC	500	2"F/2"M	Ø 2"	18,0	3.180,00	

DESCRIPTION

Application

- Surface waters, lakes, channels

Specifics

- Maximum pressure: 8 bar
- Couplings: threaded
- Filtration element:

Features

- Backnut ball valve in PVC input/output water and discharge backwash
- Hydraulically operated backwash valves
- Input filter water backwash 2"
- Security filter 2"
- 0,8 ÷ 1,2 mm quartz
- Painted filter body
- Manometer
- Controller power supply:
 - 220 V AC
 - 12 V DC (4 x 1.5 V batteries not included)

Ø mm	Weight kg		Filtration nozzles nr
	Body	Gravel	
500	50	125	15

Code	Ø mm	Weight kg		Filtration nozzles nr
		Body	Gravel	
AFLB007/ AFLB008/ AFLB009	500	50	125	15
AFLB029	750	70	275	20
AFLB111	950	120	350	41

> Filtering Manual Section



DESCRIPTION

Application

- Filter for surface waters, lakes, channels

Specifics

- Maximum pressure: 8 bar
- Fittings: flanged
- Filtering element: quartzite gravel (0,8/1,2 mm)

Features

- Input/output water manifolds
- Manual valve discharge water
- Pressure gauges

Code		Units	Ø mm	Ø manifold couplings		Q _{max} m ³ /h	Gravel kg	€
Galvanized	Painted							
AFLB030-Z	AFLB030-V	2	500	DN80	Flanged	36	250	4.276,70
AFLB063-Z	AFLB063-V	2	750	DN100	Flanged	80	525	5.459,00
AFLB032-Z	AFLB032-V	3	750	DN125	Flanged	129	800	7.620,80
AFLB033-Z	AFLB033-V	2	900	DN125	Flanged	124	700	7.434,80
AFLB034-Z	AFLB034-V	3	900	DN150	Flanged	186	1.050	10.478,80
AFLB061-Z	AFLB061-V	2	950	DN125	Flanged	136	750	7.434,80
AFLB062-Z	AFLB062-V	3	950	DN150	Flanged	204	1.150	10.478,80

Note: gravel not included



> Filtering Automatic Section

**DESCRIPTION****Application**

- Filter for surface waters, lakes, channels

Specifics

- Maximum pressure: 8 bar
- Fittings: flanged
- Filtering element: quartzite gravel (0,8/1,2 mm)
- System of controlled backwash on time and on differential pressure

Features

- Coupling input/output water galvanized or painted
- Backwash valve high flux in reinforced plastic material
- Discharge backwash in PE
- Security filter with hydraulic signal
- Air valve
- Manometers
- Power supply of control unit:
220 V AC
12 V DC (4 batteries x 1,5 V not included)

CONTROL UNIT WITH BATTERY - POWER SUPPLY 12 V DC

Code		Units	Ø mm	Ø manifold couplings		Q _{max} m ³ /h	Gravel kg	€*
Galvanized	Painted							
AFLB010-Z	AFLB010-V	2	500	DN80	Flanged	36	250	5.393,50
AFLB016-Z	AFLB016-V	2	750	DN100	Flanged	86	525	6.877,00
AFLB018-Z	AFLB018-V	3	750	DN125	Flanged	129	800	9.976,30
AFLB038-Z	AFLB038-V	2	900	DN125	Flanged	124	700	8.970,00
AFLB039-Z	AFLB039-V	3	900	DN150	Flanged	186	1.050	12.126,80
AFLB017-Z	AFLB017-V	2	950	DN125	Flanged	136	750	8.970,00
AFLB019-Z	AFLB019-V	3	950	DN150	Flanged	204	1.150	12.126,80
AFLB015-Z	AFLB015-V	4	950	DN150	Flangiati	272	1.550	19.945,00
	AFLB046	2	1.200	DN200	Flanged	240	1.200	13.631,00
	AFLB056	3	1.200	DN200	Flanged	360	1.800	20.601,10

CONTROL UNIT WITH BATTERY - POWER SUPPLY 230 V AC

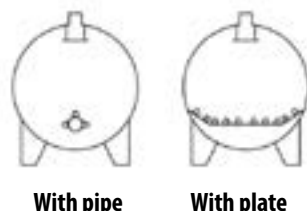
Code		Units	Ø mm	Ø manifold couplings		Q _{max} m ³ /h	Gravel kg	€*
Galvanized	Painted							
AFLB020-Z	AFLB020-V	2	500	DN80	Flanged	36	250	5.566,00
AFLB040-Z	AFLB040-V	2	750	DN100	Flanged	86	525	7.049,50
AFLB022-Z	AFLB022-V	3	750	DN125	Flanged	129	800	9.976,30
AFLB044-Z	AFLB044-V	2	900	DN125	Flanged	124	700	8.970,00
AFLB045-Z	AFLB045-V	3	900	DN150	Flanged	186	1.050	12.322,30
AFLB042-Z	AFLB042-V	2	950	DN125	Flanged	136	750	8.970,00
AFLB043-Z	AFLB043-V	3	950	DN150	Flanged	204	1.150	12.322,30
AFLB055-Z	AFLB055-V	4	950	DN150	Flangiati	272	1.550	20.025,00
	AFLB057	2	1.200	DN200	Flanged	240	1.200	13.862,10
	AFLB058	3	1.200	DN200	Flanged	360	1.800	20.824,20

Note: gravel not included

*Version without control unit available on request

Gravel Filters >

> Manual Double Chamber



DESCRIPTION

Application

- Horizontal filter for surface waters, lakes, channels

Specifics

- Maximum pressure: 8 bar
- Filtering element: quartzite gravel (0,8/1,2 mm)
- Fittings: flanged

Features

- Input/output water manifolds (galvanized)
- Vent valve for each chamber
- Backwash manual gate valves
- Control pressure gauges

Materials

- Galvanized steel body – 4 mm thickness
- Filtration nozzles: plastic material cracking 0,5 mm
- Seals: NBR

Code	Ø _{flange}	Filter weight kg
AFL203	2" F	65
AFL204	DN80	155
AFL205	DN100	220
AFL206	DN125	290

Code	Description	Ø _{flange}	Filt. nozzles nr	Body Ø mm	Gravel kg	Q m³/h	€
AFL203	With pipe	2" F	14	400	100	5 ÷ 15	2.173,50
AFL204	With pipe	DN80	32	600	350	13 ÷ 50	2.937,00
AFL205	With pipe	DN100	42	750	600	30 ÷ 70	3.729,00
AFL206	With pipe	DN125	60	900	850	40 ÷ 100	4.587,00
AFL204-P	With plate	DN80	52	600	250	12 ÷ 50	2.949,80
AFL205-P	With plate	DN100	66	750	500	28 ÷ 70	3.737,50
AFL206-P	With plate	DN125	112	900	750	35 ÷ 100	4.542,50

Note: gravel not included

> Automatic Double Chamber



DESCRIPTION

Application

- Horizontal filter for surface waters, lakes, channels

Specifics

- Maximum pressure: 8 bar
- Filtering element: quartzite gravel (0,8/1,2 mm)
- Fittings: flanged
- Backwash control system by differential time and pressure

Features

- Input/output water manifolds (galvanized)
- Control unit supply: 220V AC/12V DC (4 batteries x 1,5V not included)
- High-flow backwash valves in reinforced plastic material
- Vent valve for each chamber
- PE backwash discharge
- Control pressure gauges
- Security filter with hydraulic signal

Materials

- Galvanized steel body – 4 mm thickness
- Filtration nozzles: plastic material cracking 0,5 mm
- Seals: NBR

Code	Ø _{flange}	Filter weight kg
AFL208	2" F	65
AFL210	DN80	155
AFL211	DN100	220
AFL212	DN125	290

Code		Description	Ø _{flange}	Filt. nozzles nr	Body Ø mm	Gravel kg	Q m³/h	€*
12 V	24 V							
AFL208-12V	AFL208-24V	With pipe	2" F	14	400	100	5 ÷ 15	3.444,30
AFL210-12V	AFL210-24V	With pipe	DN80	32	600	350	13 ÷ 50	4.755,40
AFL211-12V	AFL211-24V	With pipe	DN100	42	750	600	30 ÷ 70	5.384,20
AFL212-12V	AFL212-24V	With pipe	DN125	60	900	850	40 ÷ 100	6.666,80
AFL210-P-12V	AFL210-P-24V	With plate	DN80	52	600	250	12 ÷ 50	4.850,00
AFL211-P-12V	AFL211-P-24V	With plate	DN100	66	750	500	28 ÷ 70	5.600,00
AFL212-P-12V	AFL212-P-24V	With plate	DN125	112	900	750	35 ÷ 100	6.700,00

*Version without control unit available on request

Note: gravel not included



> Filters Supports per Series SF 100 - SF 300 - SF 400

Code	Description	Ø filter	Ø support flange	Treatment	€	
FTLZ250	Hydraulic and electric filters supports SF 100	DN65-DN80		Galvanized	787,50	
FTLZ251	Hydraulic and electric filters supports SF 100	DN100-DN150		Galvanized	857,50	
FTL501	Hydraulic horizontal filters supports SF 400	8" ÷ 10"	DN150	Painted three point hitch	REQ.	
FTL050	Hydraulic horizontal filters supports SF 400	4"	DN100	Galvanized	REQ.	
FTL051	Hydraulic horizontal filters supports SF 400	6"	DN150	Galvanized	REQ.	
FTL052	Hydraulic horizontal filters supports SF 400	8" ÷ 10"	DN150	Galvanized	REQ.	

> Gravel

Code	Description	mm granulometry	€	
AAC939	Gravel - sack 25 kg	0,4 ÷ 0,8*	10,80	
AAC940	Gravel - sack 25 kg	0,8 ÷ 1,2	10,80	
AAC948	Gravel quartz grit - sack 25 kg	1,0 ÷ 2,0*	10,80	
AAC946	Gravel quartz grit - sack 25 kg	1,0 ÷ 3,0*	11,40	
1 pallet contains 63 sacks for a total weight of 1.575 kg Diferent granulometry sand available on request Ex works *On request				



Accessories and Spare Parts >

> Filtering Batteries Automation Kit

Code	Description	€	
EPS300	Murphy differential pressure switch	338,10	

Code	Description	Stations nr	Power supply V	€	
KCF048	Automation kit with control unit, solenoid and differential pressure switch	1	12	1.046,50	
KCF049	Automation kit with control unit, solenoid and differential pressure switch	1	24	1.213,30	
KCF050	Automation kit with control unit, solenoid and differential pressure switch	2	12	1.178,80	
KCF052	Automation kit with control unit, solenoid and differential pressure switch	2	24	1.315,60	
KCF053	Automation kit with control unit, solenoid and differential pressure switch	3	12	1.220,20	
KCF054	Automation kit with control unit, solenoid and differential pressure switch	3	24	1.411,10	
KCF055	Automation kit with control unit, solenoid and differential pressure switch	4	12	1.267,30	
KCF056	Automation kit with control unit, solenoid and differential pressure switch	4	24	1.519,20	

> Backwash Programmers

Filtron Programmer	
See page 84	

> Manifolds

									
Code	Description	Finishing	Filters nr	Filter Ø mm	Ø flange	Filters coupling	Gauge point	Service point	€
FCL605	2 outputs manifold	galvanized	2	500	DN80	2" M	¼" F	¾" F	279,70
FCL623	2 outputs manifold	galvanized	2	750	DN100	2" M	¼" F	¾" F	411,10
FCL612	2 outputs manifold	galvanized	2	750	DN100	76 Vic	¼" F	-	411,10
FCL616	2 outputs manifold	galvanized	2	950	DN125	89 Vic	¼" F	¾" F	569,30
FCL076Z	2 outputs manifold	galvanized	2	1.200	DN150	89 Vic	¼" F	¾" F	797,00
FCL620	3 outputs manifold	galvanized	3	750	DN125	2" M	¼" F	¾" F	672,60
FCL310	3 outputs manifold	galvanized	3	750	DN125	76 Vic	¼" F	-	724,40
FCL201	3 outputs manifold	galvanized	3	950	DN150	89 Vic	¼" F	¾" F	759,00
FCL600	2 outputs manifold	painted	2	500	DN80	2" M	¼" F	¾" F	289,30
FCL624	2 outputs manifold	painted	2	750	DN100	2" M	¼" F	¾" F	407,40
FCL628	2 outputs manifold	painted	2	750	DN100	76 Vic	¼" F	-	435,30
FCL614	2 outputs manifold	painted	2	950	DN125	89 Vic	¼" F	¾" F	569,30
FCL621	2 outputs manifold	painted	2	1.200	DN150	114 Vic	¼" F	¾" F	834,90
FCL622	2 outputs manifold	painted	2	1.200	DN150	DN100	¼" F	-	994,30
FCL620V	3 outputs manifold	painted	3	750	DN125	2" M	¼" F	¾" F	599,10
FCL310V	3 outputs manifold	painted	3	750	DN125	76 Vic	¼" F	-	645,90
FCL240	3 outputs manifold	painted	3	950	DN150	89 Vic	¼" F	¾" F	759,00



> Various Fittings

Code	Description	Couplings		€	
FGS003	Victaulic coupling Style75	2"	60 victaulic	13,20	
FGS004	Victaulic coupling Style75	2"½	76 victaulic	15,40	
FGS005	Victaulic coupling Style75	3"	88,9 victaulic	21,10	
FGS006	Victaulic coupling Style75	4"	114,3 victaulic	23,90	
FTS108	Victaulic Flange	2"	60 victaulic	34,80	
FTS109	Victaulic Flange	2"½	76 victaulic	41,80	
FTS110	Victaulic Flange	3"	88,9 victaulic	65,10	
FTS111	Victaulic Flange	4"	114,3 victaulic	77,70	
FTS113	Victaulic Flange	6"	168,3 victaulic	103,00	
FFA299	Male threaded flange	DN80 x 3"		150,00	
FFA300	Male threaded flange	DN100 x 4"		170,00	
FFA301	Male threaded flange	DN125 x 5"		190,00	
FTS286	Victaulic male adapter (100 mm lenght)	2" x 60		26,30	
FTS287	Victaulic male adapter (100 mm lenght)	2"½ x 76		26,30	
FTS284	Victaulic male adapter (100 mm lenght)	3" x 88,9		36,80	
FTS281	Victaulic male adapter (100 mm lenght)	4" x 114,3		41,10	
AAC677	Diffuser nozzle + dowel TS1 (mod.T - threat 15/16"W-L= 50 mm)			7,20	
OIV021	Hydrocyclon couplings kit (see page 53)	2"		237,60	
OIV023	Hydrocyclon couplings kit (see page 53)	3"		336,30	
FVF057	Backwash 3 ways manual valve	89VT x 2"M x 89VT		62,80	



Accessories and Spare Parts >

> Spare Cartridge for Filters

Spare cartridge for screen filter					
Code	Mesh	Mat.	Model	€	
AAC050	120	Polyamide	½" - ¾"	9,20	
AAC051	120	Polyamide	1"	10,10	
AAC052	120	Polyamide	1"¼	11,70	
AAC053	120	Polyamide	1"½	15,60	
AAC054	120	SS mesh	2"	29,20	
AAC055	120	SS mesh	3"	51,40	

AAC016	80	SS mesh	1"	10,10	
AAC045	80	SS mesh	1"¼	11,70	
AAC015	80	SS mesh	1"½	15,60	
AAC043	80	SS mesh	2"	29,20	
AAC013	80	SS mesh	3"	51,40	

Spare cartridge for screen filter with reinforced body					
Code	Mesh	Mat.	Model	€	
AAC056	120	SS mesh	2" corto	112,70	
AAC057	120	SS mesh	2" lungo - 3"	115,00	

Spare cartridge for semi-automatic screen filter with reinforced body					
Code	Mesh	Mat.	Model	€	
AAC041	120	SS mesh	2"	109,30	
AAC042	120	SS mesh	3"	109,30	

Spare filtration element for disk filter TS					
Code	Mesh	Mat.	Model	€	
AAC0018	80	Disc	¾" - 1"	21,20	
AAC0038	80	Disc	2"	85,40	
AAC001	120	Disc	¾" - 1"	21,20	
AAC002	120	Disc	1"½	71,30	
AAC003	120	Disc	2"	85,40	

Spare filtration element for disk filter MT					
Code	Mesh	Mat.	Model	€	
AAC353	120	Disc	2"	116,70	
AAC354	120	Disc	3"	125,30	

Spare filtration element for disk filter SD					
Code	Mesh	Mat.	Model	€	
AAC255	120	Disc	2" - 3" double	87,00	
AAC258	120	Disc	3" single	173,60	

Filter Discs MV Series spare parts					
Code	Mesh	Description	€		
AAC978	120	Complete disc pack	75,60		
AAC991		Steel locking band	37,00		
AAC993		Openable plug	254,10		
AAC992		Lower body	78,20		
AAC979		Upper cap	78,20		

Spare cartridge for screen filter STF Y - L- Cyclone					
Code	Mesh	Mat.	Model	€	
AAC768	120	SS mesh	2"	140,00	
AAC769	140	SS mesh	2"	140,00	
AAC786	200	SS mesh	2"	140,00	

Spare cartridge for screen filter STF Y - Y- Cyclone					
Code	Mesh	Mat.	Model	€	
AAC784	120	SS mesh	3"	200,00	
AAC770	140	SS mesh	3"	200,00	
AAC787	200	SS mesh	3"	200,00	
AAC774	80	SS mesh	4" - 5"	350,00	
AAC785	120	SS mesh	4" - 5"	350,00	
AAC772	140	SS mesh	4" - 5"	350,00	
AAC776	80	SS mesh	6"	630,00	
AAC773	140	SS mesh	6"	630,00	

Spare cartridge for screen filter STF - SF 100					
Code	Mesh	Mat.	Model	€	
AAC824	140	PP/inox	Dn65	550,00	
AAC810	140	PP/inox	Dn80	1.060,00	
AAC817	140	PP/inox	Dn100	720,00	
AAC818	140	PP/inox	Dn150	1.230,00	

Spare cartridge for screen filter STF - SF200					
Code	Mesh	Mat.	Model	€	
AAC766	120	Inox	Dn100	1.230,00	
AAC767	120	Inox	Dn150	1.800,00	
AAC840	140	Inox	Dn200	REQ.	

Spare cartridge for screen filters STF - SF 400					
Code	Mesh	Mat.	Model	€	
AAC403	140	PP/inox	3" DN80	720,00	
AAC404	140	PP/inox	4" Dn100	1.230,00	
AAC406	140	PP/inox	6" Dn100	1.800,00	
AAC408	140	PP/inox	8" Dn150	2.400,00	
AAC410	140	PP/inox	10" Dn100	2.860,00	

Monofilament sock for screen filter Ø 3" and 4"		
Code	Mesh	€
AAC691	120	22,70
AAC694	140	22,70
AAC695	150	22,70

For all the filters available on demand other diameters and degrees of filtration



NOTE



FERTIGATION

FERTILISER CONNECTION KITS	70
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Injectors >

> Fertiliser Kit



DESCRIPTION:

Application

- Connection kit for fertigation

Features

- Injection system in galvanized steel

- Large bore handwheel brass valve

Specifics

- Female threaded water inlet/outlet
- Ball valves inlet/outlet bypass 0 1 "F

- Maximum operating pressure 8 bar

Materials

- Fittings: galvanized steel

- Valve: brass

Code	Description	In/Out	€
KPF001	Fertilizer kit w/valve and w/pressure gauges	Spherical 80 M x 3 "x 80 F	391,00
KPF002	Fertilizer kit w/valve and w/pressure gauges	Spherical 100M x 4 "x 100F	487,60
KPF003	Fertilizer kit w/valve and w/pressure gauges	Spherical 120 M x 4 "x 120 F	648,60
KPF004	Fertilizer kit w/valve and w/pressure gauges	Spherical 150 M x DN150 x 150 F	680,80

> Venturi kit



DESCRIPTION:

Application

- Pressurized fertigation unit to be connected to the irrigation system

Features

- Injection system in galvanized steel
- Spherical connections Ferrari M/F
- Large bore handwheel brass valve

- Manometers
- Venturi 1 "complete with suction
- Inlet/outlet sectioning ball valves 0 1 "

Specifics

- Female threaded water inlet/outlet

- Maximum operating pressure: 8 bar

Materials

- Fittings Galvanized steel
- Brass valve

- Venturi polyethylene

Code	Description	In/Out	€
KPV001*	Venturi kit w/valve and w/pressure gauges	Spherical 80 M x 3 "x 80 F	508,30
KPV002*	Venturi kit w/valve and w/pressure gauges	Spherical 100M x 4 "x 100F	694,60
KPV003*	Venturi kit w/valve and w/pressure gauges	Spherical 120 M x 4 "x 120 F	742,90
KPV004*	Venturi kit w/valve and w/pressure gauges	Spherical 150 M x DN150 x 150 F	926,90

*Available on request

> Venturi

Code	Description	Coup. Ø	Fert. asp. l/h	€
OIV010	S112R aspiration kit*	¾"	12 ÷ 162	46,60
OIV011	S113R aspiration kit*	1"	90 ÷ 460	71,10
OIV012	S114R aspiration kit*	1 ½"	105 ÷ 1.020	97,70
OIV013	S115R aspiration kit*	2"	180 ÷ 1.100	115,50
OIV020	Couplings and by-pass Venturi complete kit**	¾"	12 ÷ 162	47,00
OIV022	Couplings and by-pass Venturi complete kit**	1"	90 ÷ 460	70,00

*Composed by Venturi, flowmeter, transparent vinyl hose, filter and 2 strips PP standard injector, in PVDF available on request
Aspiration kit with no flowmeter - 10% on shown prices

**Usable also with hydrocyclon system (code AFL695 - AFL696 - AFL697)



DESCRIPTION

Application

- Fertirrigation system by Venturi nozzle

Features

- By-pass injection system
- No parts in movement
- Fertilizers are aspirated from an atmospheric pressure tank by Venturi hydraulic principle
- % of the line pressure
- To work at best it needs a weight loss from 30% to 70%
- By by-pass the use of a gate valve is required in order to get a precise pressure regulation

Specifics

- Water threaded input/out
- Maximum working pressure: 8 bar

Materials

- Venturi body: polypropylene



> Fertilizer Tank

Code	Description	In/Out	Lt capacity	€	
AFR002	Vertical painted	¾"	120	598,00	
AFR010	Vertical painted	1"	150	665,00	
AFR011	Horizontal painted	1"	200	821,00	
AFR019	Horizontal painted	1"	300	870,00	
AFR021	Horizontal painted	1"	500	1.124,00	

DESCRIPTION

Application

- Fertirrigation unit in pressure to be connected in by-pass to the irrigation system

Features

- Galvanized steel or epoxy painted
- Threaded coupling for pressure injection system
- Load tank with tommy screw
- Threaded coupling for pressure gauge

Specifics

- Female threaded water input/output
- Maximum working pressure: 8 bar

Materials

- Tank: steel
- Seals: NBR

> Amiad Injection Pump

Code	Description	€	
APF002	Amiad pump complete with filters for fertilizers and forcing water	840,00	

*While stocks last

DESCRIPTION

Application

- Fertirrigation system by hydraulic injection pump

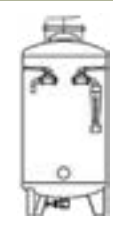
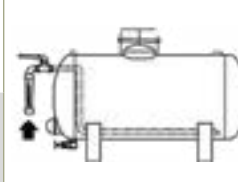
Features

- Injection up to 320 l/h depending on the main irrigation line pressure
- Working pressure: 1 ÷ 8 bar
- Water consumption equal to 3 times the injected fertilizers
- 0,033 lt fertilizer solution each cycle
- Pump brutto weight: 5 kg
- Resistant to all known chemical product used in agriculture and horticulture, some bromine derivatives excluded

Materials

- Stainless steel and plastic materials

> Giunti Fertilizer Tank

Code	Description	In/Out	Lt capacity	€	
AFR001	Vertical galvanized	¾"	80	880,00	
AFR004	Vertical galvanized	¾"	180	1.155,00	
AFR012	Horizontal galvanized	¾"	180	1.168,75	
AFR025	Horizontal galvanized	¾"	400	1.567,50	

DESCRIPTION

Application

- Pressure fertigation unit for by-pass connection to the irrigation system

Features

- Galvanized steel injection system
- Loading hatch with screw closure
- Pressure gauge
- Flow meter scale 1-25 l/m
- Ball valves

Specifics

- Female threaded water inlet/outlet
- Maximum operating pressure: 8 bar

Materials

- Tank: steel - Gaskets NBR



Injectors > Hydraulic Dosing Pumps

> Tefen Mixrite Proportional Pumps

Code	Description	Dosage %	M coup. Ø	m³/h	€	
FER327*	MixRite TF1 Clorine	0,1 ÷ 1	¾"	1,0	657,00	
FER330	MixRite TF1 OnOff	0,2	¾"	1,0	489,50	
FER331	MixRite TF2.5 OnOff	0,2 ÷ 2	¾"	2,5	573,50	
FER332	MixRite TF2.5 OnOff	0,4 ÷ 4	¾"	2,5	497,00	
FER333	MixRite TF3.5 OnOff Internal ByPass	1 ÷ 10	¾"	3,5	1.261,30	
FER353	MixRite TF2.5 PVDF OnOff	0,2 ÷ 2	¾"	2,5	759,00	
FER354	MixRite TF2.5 PVDF OnOff	0,4 ÷ 4	¾"	2,5	759,00	
FER334	MixRite TF5 OnOff	0,1 ÷ 1	1"	5,0	1.113,00	
FER335	MixRite TF5 OnOff	0,2 ÷ 2	1"	5,0	1.113,00	
FER336	MixRite TF5 OnOff	0,5 ÷ 5	1"	5,0	1.390,70	
FER337	MixRite TF10 OnOff	0,1 ÷ 1	1½"	10,0	1.629,00	
FER338	MixRite TF10 OnOff	0,2 ÷ 2	1½"	10,0	1.629,00	
FER339	MixRite TF10 OnOff	1 ÷ 5	1½"	10,0	1.666,00	
FER340	MixRite TF25 OnOff	0,2 ÷ 2,0	2"	25,0	2.193,00	
FER341	MixRite TF25 OnOff	1 ÷ 5,5	2"	25,0	2.296,00	

*On request
Other models available on request

DESCRIPTION

Application

- Fertilizers injection both for drip irrigation and sprinkling systems

Specifics

- ¾", 1", 1½", 2" M threaded fittings
- In line and by pass installation
- Injection range: 02% - 10% depending on the model
- Injection regulation ring with lock to avoid wrong regulations
- Manual on/off version, venting valve version available on request, hydraulic or remote electric on/off as well
- Complete with pipe and fertilizer aspiration filter
- Hydraulic engine and seals lubricated with water. No further needs of lubricators
- Fertilizer is added by continuous cycle whenever water passes through the mixrite, proportionally to its flow

Features and benefits

- Easy use and maintenance
- Suitable for both indoor and in the field installations
- TF2.5 and TF5 models are provided with stake for wall mounting, models TF10 and TF25 with plastic support legs (wall mounting stake on request)
- Driven exclusively by water force, no need of other energy sources
- Wide range of models

> Membrane

HORIZONTAL ASSEMBLING

Code	Series	Type	l/h	bar	€	
FERD101	Analog AMS	CL	20	7	877,50	
FER860	Digital AMS	PH	20	7	1.166,80	
FERD157	Digital KMS	PH	8	8	803,10	

DESCRIPTION

Application

- High-precision dosing system

Features

- Membrane electrical dosing pump
- Horizontal assembling
- Analog and digital version for parameters visualization
- Four main models for different functions
- Different versions for specific sensors
- Injection regulation manual trimmer

Specifics

- Power supply: 220 V 50 Hz AC

Materials

- Pump body: PVDF

Model	Version	Dosage	Input 4/20 mA	Alarm output
ASM/K	CL	analog	steady	-
AMS	PH	digital	proportional	yes
Probes not included				

PH CONTROL STANDARD CONFIGURATION

FER860 pump + FER819 probe (page 102) + probe housing (page 102)

220 V AC VERTICAL ASSEMBLING

Code	Series	Type	l/h	bar	€	
FERD410	Analog T	TCL	15	5	680,50	

DESCRIPTION

Application

- High-precision dosing system

Features

- Membrane electrical dosing pump
- Vertical assembling
- Analog and digital version for parameters visualization
- Two main models for different functions
- Different versions for specific sensors
- Injection regulation manual trimmer

Specifics

- Power supply: 220 V 50 Hz AC

Materials

- Pump body: PVDF

ANALOG "T" PUMPS

Mod.	Features
TCL	Steady pump with level control and flow-rate regulation
*Probes not included	



Injectors > Electrical Dosing Pumps

> Dositec Pumps



DESCRIPTION

Application

- Injection of fertilizers by means of an electromagnetic system

Features

- Flow:
0 ÷ 2,5 l/h
0 ÷ 6 l/h
0 ÷ 9 l/h
- Maximum pressure: 10 bar
- Power supply:
230V 50 Hz IP-65

Code	Model	Adjustment	l/h	bar	€	
FERD001	mA	Analogical regulation by means of a 4/20mA signal	0 ÷ 2,5 l/h	10	707,20	
FERD002	mA	Analogical regulation by means of a 4/20mA signal	0 ÷ 6 l/h	7	762,50	
FERD003	mA	Analogical regulation by means of a 4/20mA signal	0 ÷ 9 l/h	8	838,80	
FERD004	MP/MD	Manual regulation by means of a potentiometer - Adjustable pulses from 0 to 100% Input for a level switch to stop the pump	0 ÷ 2,5 l/h	10	409,70	
FERD005	MP/MD	Manual regulation by means of a potentiometer - Adjustable pulses from 0 to 100% Input for a level switch to stop the pump	0 ÷ 6 l/h	7	418,70	
FERD006	MP/MD	Manual regulation by means of a potentiometer - Adjustable pulses from 0 to 100% Input for a level switch to stop the pump	0 ÷ 9 l/h	8	515,80	
FERD007	PRC	pH-ORP regulation by means of a on/off relay Measuring range 0-25 / -1400mV + 1400mV 4/20mA output	0 ÷ 2,5 l/h	10	759,50	
FERD008	PRC	pH-ORP regulation by means of a on/off relay Measuring range 0-25 / -1400mV + 1400mV 4/20mA output	0 ÷ 6 l/h	7	819,30	
FERD009	PRC	pH-ORP regulation by means of a on/off relay Measuring range 0-25 / -1400mV + 1400mV 4/20mA output	0 ÷ 9 l/h	8	888,10	
FERD010	Q	Proportional regulation by means of a digital signal Operating modes: proportional to an external pulse (Multipliers o Divider)	0 ÷ 2,5 l/h	10	639,90	
FERD011	Q	Proportional regulation by means of a digital signal Operating modes: proportional to an external pulse (Multipliers o Divider)	0 ÷ 6 l/h	7	662,40	
FERD012	Q	Proportional regulation by means of a digital signal Operating modes: proportional to an external pulse (Multipliers o Divider)	0 ÷ 9 l/h	8	755,10	
FERD013	MF	Multifunction manual regulation, proportional (pulses/ppm) analogical (mA), timer	0 ÷ 2,5 l/h	10	864,20	
FERD014	MF	Multifunction manual regulation, proportional (pulses/ppm) analogical (mA), timer	0 ÷ 6 l/h	7	933,00	
FERD015	MF	Multifunction manual regulation, proportional (pulses/ppm) analogical (mA), timer	0 ÷ 9 l/h	8	1.025,70	



> STEPPER DOSmart AC Pumps



DESCRIPTION

Application

- Water treatment
- Industrial processes
- Chemical industry
- Pulp & paper
- Agriculture

Operating modes

- Control analógico (0/4-20mA)
- Control proporcional por pulsos
- Dosificación por lotes
- Control manual del caudal

Technical features

- Power supply: 250 VAC (50 Hz) / 24 VDC
- Power: 32W
- Membrane: PTFE
- Dimensions mm: 267 (height), 172 (width), 296 (depth)

Advanced dosing features

- Remote activation (on/off)
- Test function
- Flow calibration
- Low Pulsation discharge function for a continuous flow (LP)
- Slow Suction function for high viscosity products (SS)
- Turndown ratio 1:3000
- High suction capacity
- Invariable flow, no pressure influence

Additional safety devices

- Level sensor
- Diaphragm leakage detector
- Pressure sensor
- Flow failure detector
- Temperature sensor

Inputs/outputs and communications

- Analogue input 0/4-20mA
- External pulse input
- Remote on/off input
- Level sensor input (pre-empty)
- Level sensor input (empty)
- Leakage detector input
- Flow detector input
- Pressure sensor input
- Serial port RS-485 ModBus
- 4-20mA output for registering and monitoring
- Pulse output for registering, monitoring and 2nd pump control
- Alarm output (relay)
- Level alarm output (relay)

Code	Model	I/h _{max}	P _{max} - bar	Stroke mm	Strokes/min.	€	
FERD070	S50-D50	1,5	16	2	50	2.605,20	
FERD071	F50-D50	4	12	2	95	2.605,20	
FERD072	F30-D50	8	8	2	150	2.605,20	
FERD073	F51-D50	13	7	4,5	91	2.605,20	
FERD074	F31-D50	25	5	4,5	162	2.605,20	
FERD075	F41-D69	40	3	4,5	113	2.605,20	
FERD076	F31-D69	60	2	4,5	166	2.605,20	

> Piston Dostec AC with Inverter

Code	Model	Coupling Ø	P _{max} - bar	l/h _{max}	€
FER700	73-AC3P44-P110PPX	1"¼	5,5	1.200	4.504,50
FER701	73-AC3P44-P95PPX	1"¼	7,5	900	4.273,30
FER702	73-AC3P44-P77PPX	1"¼	11,0	600	4.094,50
FER703	73-AC2P44-P61PPM	¾"	7,0	360	3.323,70
FER704	73-AC2P44-P49PPM	¾"	11,0	240	3.202,80
FER705	73-AC2P44-P34PPM	¾"	15,0	120	3.085,40



DESCRIPTION

Application

- Fertilizers injection by inverter electro-mechanical system
- High-performing injection both in flow-rate and in pressure

Features

- Injection by piloting (electronic card)
- Settable and/or usable parameter for injection: analog control (4/20 mA)
- proportional-continuous control-modBus
- Self-supporting injection system with support and fixing
- Injection by PTFE membrane
- Oil level

Specifics

- ENGINE**
 - Single-phase 230V 50Hz
 - Power 0,37Kw (0,5Hp)
- IP-55 protection
- Weight: ca 10 Kg

Materials

- HEAD**
 - PEUAPM piston (ultra-high molecular weight polyethylene)
 - Retention FPM
 - Cylinder: PP
 - Other materials for particular solution injection on request
- VALVES**
 - PP body
 - Glass ball
 - FPM o-ring

> Membrane Dostec AC with Inverter



Code	Model	Coupling Ø	P _{max} - bar	l/h _{max}	€
FER706	73-AC3D44-D163PBX	1"¼	5,0	1.044	4.727,00
FER708	73-AC3D43-D142PBX	1"¼	10,0	498	4.255,70
FER709	73-AC3D33-D142PBX	1"¼	10,0	249	4.180,40
FER710	73-AC2D42-D95PBM	¾"	8,0	144	3.250,10

DESCRIPTION

Application

- Fertilizers injection by inverter electro-mechanical system
- High-performing injection both in flow-rate and in pressure

Features

- Injection by piloting (electronic card)
- Settable and/or usable parameter for injection: analog control (4/20 mA)
- proportional-continuous control-modBus
- Self-supporting injection system with support and fixing
- Injection by PTFE membrane
- Oil level

Specifics

- ENGINE**
 - Single-phase 230V 50Hz
 - Power 0,37Kw (0,5Hp)
- IP-55 protection
- Weight: ca 10 Kg

Materials

- HEAD**
 - PTFE membrane
 - PP base
 - PP cylinder
 - Other materials for particular solution injection on request
- VALVES**
 - PP body
 - Glass ball
 - FPM o-ring

> Piston Dostec



Code	Type	Engine	P _{max} - bar	l/h _{max}	€
FER047	Dostec 40	12V 130W	3,5	200	1.084,60
FER043	Dostec 40	12V 300W	10,0	200	1.084,60
FER044	Dostec 40	12V 300W	6,0	300	1.107,90
FER045	Dostec 40	12V 300W	4,5	500	1.318,90
FER056	Dostec 40	Single-phase	15,0	25	996,80
FER057	Dostec 40	Single-phase	15,0	50	996,80
FER058	Dostec 40	Single-phase	15,0	100	996,80
FER059	Dostec 40	Single-phase	11,0	200	1.018,00
FER060	Dostec 40	Single-phase	7,0	300	1.053,00
FER061	Dostec 40	Single-phase	4,5	500	1.221,00
FER050	Dostec 40	Three-phase	15,0	25	859,70
FER051	Dostec 40	Three-phase	15,0	50	859,70
FER052	Dostec 40	Three-phase	15,0	100	859,70
FER053	Dostec 40	Three-phase	11,0	200	881,20
FER054	Dostec 40	Three-phase	7,0	300	902,70
FER055	Dostec 40	Three-phase	4,5	500	1.117,60
FER062	Dostec 50	Three-phase	11,0	500	1.676,40
FER063	Dostec 50	Three-phase	7,5	750	1.826,80
FER064	Dostec 50	Three-phase	5,5	1.000	2.127,70

> Membrane Dostec



Code	Type	Engine	P _{max} - bar	l/h _{max}	€
FER647	Dostec 40	12V 130W	15,0	25	1.203,00
FER648	Dostec 40	12V 130W	15,0	50	1.271,00
FER649	Dostec 40	12V 130W	10,0	100	1.378,00
FER650	Dostec 40	12V 130W	5,0	200	1.512,00
FER651	Dostec 40	12V 300W	8,0	200	1.753,00
FER652	Dostec 40	12V 300W	5,0	300	1.776,00
FER632	Dostec 40	Single-phase	15,0	25	1.293,00
FER633	Dostec 40	Single-phase	15,0	50	1.383,00
FER634	Dostec 40	Single-phase	10,0	100	1.200,00
FER636	Dostec 40	Single-phase	8,0	200	1.709,00
FER637	Dostec 40	Single-phase	5,0	300	1.943,00
FER640	Dostec 40	Three-phase	10,0	100	988,70
FER642	Dostec 40	Three-phase	8,0	200	1.392,30
FER643	Dostec 40	Three-phase	5,0	300	1.459,60

MULTIFERTIC LINE AVAILABLE UPON REQUEST



FERTIGATION

DESCRIPTION



Application

- Fertilizers injection by electro-mechanical system
- High-performing injection both in flow-rate and in pressure

Features

- Self-supporting injection system with support and fixing
- Adjustable dosage
- Injection by ceramic or high-density polyethylene piston
- Oil level

Specifics

- ENGINE: Dostec 50)
- Three-phase: 400 V 50 Hz
- Protection: IP 55
- Single-phase: 230 V 50 Hz
- Weight 10 kg ca (20 kg ca Dostec 50)
- Power: 0,37 Kw/0,5 Hp (0,75 Kw/1Hp)

Materials

- HEAD: VALVES
- PEUAPM piston (ultra-high molecular weight polyethylene)
- PP body
- Glass ball
- Ritention FPM
- FPM o-ring
- Cylinder: PP
- Other materials for particular solution injection on request

DESCRIPTION

Application

- Fertilizers injection by electro-mechanical system
- High-performing injection both in flow-rate and in pressure

Features

- Self-supporting injection system with support and fixing
- Adjustable dosage
- Oil level
- Injection by PTFE membrane

Specifics

- ENGINE: Power: 0,37Kw/0,5Hp
- Three-phase 400V 50Hz
- IP-55 protection
- Single-phase 230V 50Hz
- Weight 10 kg ca

Materials

- HEAD: VALVES
- PTFE membrane
- PP body
- PP base
- Glass ball
- PP cylinder
- FPM o-ring
- Other materials for particular solution injection on request

Injectors > Accessories



> Valves

Code	Description	€	
FERC007	¾" 6 x 12 anti-siphon valve	97,00	
FERC009	¾" priming valve	55,00	

> Foot Valves

Code	Description	€	
FVF051	Ø ¾" plastic foot valve with filter	13,50	
FVF052	Ø 1" plastic foot valve with filter	15,90	

> GSM

Code	Description	€	
FER717	Communication hub for Dostec AC, Dositec, Water Controller 3000 LAN connection - Wi-Fi	1.101,30	

> Injection Valves

Code	Ø	Material	l/h	€	
FERC047	¾"	Polypropylene	500	37,10	
FERC048	¾"	PVDF	500	177,00	
FERC049	1"¼	Polypropylene	1.200	150,00	
FERC045	1"¼	PVDF	1.200	603,90	

> Dumpers

PP - FPM BODY

Code	Flow-rate l/h	F coupling Ø	€	
FERC032	50	¾"	880,50	
FERC033	100	½"	925,90	
FERC034	300	¾"	1.178,80	
FERC011	500	¾"	1.548,60	
FERC044	2.000	¾"	2.326,50	

STAINLESS STEEL - FPM BODY

Code	Flow-rate l/h	F coupling Ø	€	
FERC036	50	¾"	1.479,40	
FERC037	100	½"	1.539,10	
FERC038	300	¾"	2.107,00	
FERC039	500	¾"	2.183,30	
FERC040	2.000	¾"	2.798,90	

> Dostec 40 Standard Non-Return Valve

Code	Description	€	
FERC775	Complete inlet valve x MF ¾"	25,00	
FERC770	Suction valve x MF ¾"	25,00	



> Electrical Turbine Agitators



Code	Coup.	Liquid m ³ _{max}	Shaft mm	Supply	Power W	€	
FER176	Flange	0,6	1.100	12V DC	130	961,00	
FER172	Flange	1,8	1.300	12V DC*	300	1.029,70	
FER173	Flange	1,5	1.000	12V DC*	300	987,30	
FER175	Flange	0,6	1.100	Sing.-ph.	185	555,20	
FER170	Flange	3,0	1.300	Sing.-ph.	370	1.001,00	
FER171	Flange	2,3	1.000	Sing.-ph.	370	906,70	
FER167	Flange	10,0	1.500	Sing.-ph.	750	1.236,20	
FER174	Flange	0,6	1.100	Three-ph.	185	462,00	
FER168	Flange	3,0	1.300	Three-ph.	370	720,80	
FER169	Flange	2,3	1.000	Three-ph.	370	674,60	
FER160	Flange	7,0	2.000	Three-ph.	500	1.502,60	
FER161	Flange	6,0	1.800	Three-ph.	500	1.502,60	
FER166	Flange	10,0	1.500	Three-ph.	750	963,60	
FER183	Clamp	1,8	1.300	12V DC*	300	1.266,70	
FER184	Clamp	1,5	1.000	12V DC*	300	1.224,30	
FER181	Clamp	3,0	1.300	Sing.-ph.	370	1.204,10	
FER182	Clamp	2,3	1.000	Sing.-ph.	370	1.143,70	
FER178	Clamp	10,0	1.500	Sing.-ph.	750	1.473,10	
FER179	Clamp	3,0	1.300	Three-ph.	370	957,80	
FER180	Clamp	2,3	1.000	Three-ph.	370	911,50	
FER177	Clamp	10,0	1.500	Three-ph.	750	1.200,50	

*On request

DESCRIPTION

Application

- Centrifugal turbine agitator with direct shaft for open and closed tanks

Features

- 6 holes turbine for axial and radial simultaneous mixing
- Demountable turbine with no cutting or dangerous parts
- Vertical and oblique applications
- Turbine axis with different lengths depending on the model

Specifics

- Engine power supply: 380/220 50 Hz AC or 12 V DC extended working
- Clamp or flange fixing
- Perfectly balanced for heavy and
- Exclusively functioning with liquid in the tank

Materials

- Agitator shaft: stainless steel
- Turbine: polypropylene

TURBINE WITH BIDIRECTIONAL ROTATION



AGITATOR WITH CLAMP WITH FLANGE



> Electric Boards for Agitators



DESCRIPTION

Application

- Electric board for turbine agitator activation (230V AC or 400 V AC)

Features

- Manual/automatic/standstill functioning
- Single or double unit command
- Network led, engine on, level alarm, engine in protection
- Adjustable amperometric protection
- Protection fuse (24V AC relay included - float inputs, on/off selector, multifunction timer)

Code	Supply	N. agitators	€
EQE546	Single-phase	1	520,70
EQE547	Three-phase	1	613,00
EQE548	Single-phase	2	795,70
EQE549	Three-phase	2	1.085,90



Injectors > Injection and Mixing Kit

> Fertigation Kit

DESCRIPTION

Application

- Autonomous fertigation unit

Features

- Injection system complete with piston pump Dostec 40, turbine agitator and interface electrical board
- Manual or remote control start
- Dry running control
- Mesh filter for fertilizer suction

Specifics

- Power supply 400 V AC, 230 V AC, 12 V DC
- Steel supporting plate
- Tank draining valve on request

Materials

- Tank: polypropylene
- Support plate: stainless steel



> Mixing Kit

DESCRIPTION

Application

- Autonomous mixing unit

Features

- System complete with turbine agitator, and interface electric board
- Manual or remote control start
- Dry running control

Specifics

- Power supply 400 V AC, 230 V AC, 12 V DC
- Steel supporting plate
- Tank draining valve on request

Materials

- Tank: polypropylene
- Support plate: stainless steel



> Acidification Kit

DESCRIPTION

Application

- Autonomous acidification unit

Features

- System complete with membrane pump and interface electric board
- Manual or remote control start
- Dry running control

Specifics

- Power supply 230 V AC
- pH probe + housing
- Tank draining valve on request

Materials

- Tank: polypropylene



Code	Supply	Inje. l/h	P _{max} bar	Tank lt capac.	€
FERK120	12V DC	100	15	1.000	5.362,00
FERK125	12V DC	200	10	1.000	5.230,00
FERK122	12V DC	300	6	1.000	5.106,10
FERK121	12V DC	500	4,5	1.000	5.289,30
FERK104	Sing.-ph.	100	15	300	3.118,90
FERK105	Sing.-ph.	200	11	300	3.135,10
FERK106	Sing.-ph.	300	7	300	3.151,40
FERK110	Sing.-ph.	100	15	500	3.406,10
FERK111	Sing.-ph.	200	11	500	3.422,30
FERK112	Sing.-ph.	300	7	500	3.438,50
FERK100	Sing.-ph.	300	7	1.000	3.890,80
FERK102	Sing.-ph.	500	4,5	1.000	4.042,30
FERK107	Three-ph.	100	15	300	2.928,00
FERK108	Three-ph.	200	11	300	2.947,00
FERK109	Three-ph.	300	7	300	3.249,00
FERK113	Three-ph.	100	15	500	3.147,20
FERK114	Three-ph.	200	11	500	3.092,00
FERK115	Three-ph.	300	7	500	3.448,00
FERK101	Three-ph.	300	7	1.000	3.860,60
FERK103	Three-ph.	500	4,5	1.000	3.915,90
FERK002*	Trifase	822	6	3.000	5.425,00
FERK006	Trifase	500	11	3.000	4.960,00

*Diaphragm pump

Code	Supply	Tank lt capac.	€
FERK010	Single-phase	300	2.126,00
FERK012	Single-phase	500	2.271,00
FERK014	Single-phase	1.000	2.681,00
FERK011	Three-phase	300	2.042,00
FERK013	Three-phase	500	2.162,00
FERK015	Three-phase	1.000	2.597,00

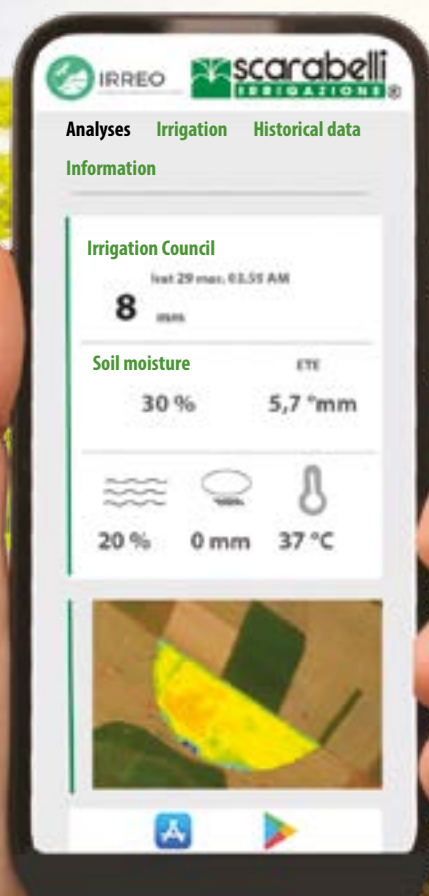
Code	Supply	Inje. l/h	Tank lt capac.	€
OKTS106	Sing.-ph.	8	300	1.957,00
OKTS107	Sing.-ph.	20	300	2.367,00
OKTS114	Sing.-ph.	8	500	2.126,00
OKTS115	Sing.-ph.	20	500	2.525,00
OKTS116	Sing.-ph.	8	1.000	2.440,00
OKTS117	Sing.-ph.	20	1.000	2.850,00

NOTES



IRREO

SATELLITE IRRIGATION SYSTEM



SUMMARY 1

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> FT1 BT Programmer



DESCRIPTION

Application

- Filtering automatic batteries management

Specifics

- Operation output: Enable operating one filter or start command
- Operate 2 wire latch solenoid 12V DC
- Digital input: Digital input for external digital DP device which produce dry contact
- Analog input: Analog input for internal analog DP sensor
- Three operation modes:
 - OFF:** Freeze the backflush controller - **DP Only:** Start one flush cycle when there is high DP detection - **TIME & DP:** Start one flush cycle when there is high DP detection - In addition, start one flush cycle by time interval
 - Sound:** Enable sound that indicate normal flush process or flush failure
 - Calibration:** For reading accuracy the analog differential pressure sensor
 - Start Button:** External button for manually Start/Stop flush cycle
 - 12V DC power supply, Battery, Accumulator or four 15V batteries size C**
 - Bluetooth communication** Up to 60 meters with line of sight between the smartphone and the controller

Smartphone application

- Support Android and iOS smartphone operation systems
- High performance Includes partition to Operation, Settings, Accumulations and Preferences screens
- Display the Bluetooth reception, Controller name, Flush state and batteries voltage level

Code	Integrated DP	Outputs nr	Power supply out	€
AAC415	yes	2	12 V Latch	525,00

> Filtron Programmer



DESCRIPTION

Application

- Filtering automatic batteries management

Specifics

- Cleaning cycle control by pressure differential switch and/or by time
 - Filter washing time management and pause between filters
 - Unit power supply: 6 V (4 x 1,5 D model)

Hardware Features

- Outputs: 2/4 outputs (12V Latch expandable)
- Output for master valve control
- Built-in differential pressure switch
- Inputs: external differential pressure switch
- External box

Materials

- Box: ABS

ACCESSORIES

Code	Integrated DP	Outputs nr	Power supply out	€
AAC097	yes	2	12 V Latch	598,20
AAC595	yes	4	12 V Latch	658,00
AAC099	yes	2	24 V AC	657,20
AAC100	yes	4	24 V AC	717,10
AAC524	yes	6	24 V AC	776,90

Code	Description	€
AAC596	Expansion 2 outputs DC latch	59,90
AAC599	Expansion 2 outputs 24 V AC	59,90

CONTROL UNITS UP TO 18 STATIONS AVAILABLE ON REQUEST



> WTRtec



NEW

DESCRIPTION

Application

- Multi-parameter controller for adjusting free chlorine, pH, EC, temperature in drinking water reservoirs, with ORP (Red-Ox) safety measurement

Specifics

- Tank filling monitoring
- Correction of the chlorine dosage proportional to the water flow
- Power supply: 14.4 Vdc
- IP65 electrical protection
- Working temperature: 0 ÷ 45 C°
- Control/mA recording outputs: 2 configurable
- Relay control outputs: 2 configurable
- Relay alarm outputs: 3 configurable

Code	Mod.	Input							Output										€	
		CL ₂	ORP (RedOx)	pH	Flow	EC	C°	Flow sensor	Cl dos.	pH dos.	Proport. dosage	PIQ Cl contr.	PIQ pH contr.	PIQ EC contr.	Cl ala.	ORP ala.	pH ala.	Flow ala.		EC ala.
FER144	Blu	x	x	x	x		x	x	x	x					x	x	x			2.580,90
FER145	Bianco	x	x	x	x		x	x	x	x		x	x		x	x	x	x		2.892,60
FER146	Grigio	x		x	x	x	x	x	x	x					x		x		x	3.028,90
FER147	Rosso			x	x		x	x		x			x				x	x		2.298,50
FER157	Verde			x	x	x	x	x		x	x		x	x			x	x	x	2.512,70

> Water Controller 3000



DESCRIPTION

Application

- Irrigation and fertigation control unit
- Fruit farming and vineyards, tunnels and glasshouses

Specifics

- Controller 3000: 6-channel 4-20 mA fertigation management
- Water controller 3000: like the 3000 controller + management of up to 96 outputs
- Backlit LCD display
- Waterproof soft-touch keyboard, alphanumeric and with specific menu keys
- Language: italian (others on request)
- Box version for free installation

Hardware Features

- Expandable outputs: 24 base - 48/72/96
- Digital inputs: 4
- Analog inputs: 2
- 220/24 V AC transformer included
- Command output: 24 V 50Hz
- Box dimensions: 300 x 260 x 160 mm
- Box protection: IP 55

Software Features

- 50 programmes
- 15 daily starts
- Filters management (6 max)
- Pumps management (4 max)
- Fertilizers management (6 max)
- 48 fertilizers can be set
- pH/EC control
- high/low-frequency water meter

Materials

- Free box installation: PC/ABS
- Front panel: aluminium
- Box support: stainless steel

Code	Description	Control	€
FER150	Controller 3000-2	Fertigation	3.385,30
FER156	Controller 3000-2/12	Fertigation	5.194,90
FER159	Controller WC3000 base	Irrigation and fertigation	6.529,00
FER158	Expansion box 24 outputs		1.615,80

> Converter AGDI



DESCRIPTION

Application

- Conversion of conventional systems into single-cable systems

Specifics

- Internal programming keys
- Status and operation LEDs
- 2-wire decoder 24V AC
- Unit power supply: from 24 V AC
- Number of stations: 24
- Max number of simultaneous active stations: 3
- Use only decoder OAC223
- Cable length: 1.800 mt with section 1,5 mm²

Code	Description	€
OPG770	AGDI interface 24 sectors	873,70

> Converter 3000 D



DESCRIPTION

Application

- Conversion of conventional systems into single-cable systems

Specifics

- LCD display
- Soft touch keys
- 2-wire 24 V AC decoder
- Unit power supply: 230-24 V AC transformer
- Number of stations: 48, expansion to 96 sectors
- Max number of simultaneous active stations: 10
- 1 master valve
- 2 high frequency counters
- Integrated lightning protection
- 4 output powers to the decoder
- Use only decoder OAC223
- Cable length: 1.800 mt with section 1,5 mm²

Code	Description	Outputs nr	€
OPG771	3000 D converter (command board only)	48	1.568,70
OPG785	3000 D converter with IP65 wired panel, interface and power supply	48	2.700,00
OPG772	3000 D converter expansion from 48 to 96	48	1.052,40

> Decoder



DESCRIPTION

Application

- Crysberg decoder modules

Specifics

- Compatible with Crysberg models
 - AGDI converter
 - Converter 3000 D
 - Ranger 4000 Control unit supply: 24 V AC
- Unit power supply: max 33 V AC/min 21 V AC
- Consumption: 0,5 mA/25 mA
- Max solenoid/decoder distance: 100 mt
- Output power: adjustable from central unit
- Programmable by converter unit
- Protection: Waterproof IP67

Code	Description	€
OAC223	Decoder Ranger 4000 D 1 output	121,00

> Ranger 4000 D



DESCRIPTION

Application

- Landscape and agriculture large irrigation systems

Specifics

- LCD display
- Soft-touch keyboard and knob for functions selection
- ETP management with meteo station
- Instantaneous flow-rate control
- Control unit supply: 230 - 24 V AC transformer
- 2 wires, 24 V AC decoder
- Stations: 100
- Remote control via WEB by smart system
- No. of remote humidity sensors: 10
- No. of simultaneous active valves: 12
- Master valve 1
- Number of pumps: 2
- Use only decoder OAC223

Software Features

- 10 irrigation programmes
- 12 daily starts per programm
- Cyclic starts form 1 to 99 per programm start
- Calendar: 14 days
- Module: Crysberg LAN for local communication -
- Crysberg 3G/4G mobile Gateway
- Irrigation cycle from 0 to 999 min
- Water budget: 0 ÷ 250%
- Starts: manual, programm

Materials

- Box: PVC/ABS with key

Code	Description	Outputs nr	€
OPG780	Ranger 4000 D control unit with LAN module + 3G/4G module + 1 year traffic included	100	4.169,90

> Grower 6000 D



DESCRIPTION

Application

- Landscape and agriculture large irrigation systems

Specifics

- LCD display
- Soft-touch keyboard and knob for functions selection
- ETP management with meteo station
- Control unit supply: 230 - 24 V AC transformer
- 2 wires, 24 V AC decoder
- Stations: 200
- Remote control via WEB by smart system
- Use only Tech decoder

Software Features

- 10 irrigation programmes
- 6 daily starts per programm
- Calendar: 14 or 15 days
- Module: Crysberg LAN for local communication
- Crysberg 3G/4G mobile Gateway
- Digital inputs: 4-20 mA
- Irrigation cycle from 0 to 999 min
- Water budget: 0 ÷ 250%
- Starts: manual, program
- Compatible with decoder
- Pumps 10 - 5
- Master valve 1
- Booster pumps 9 - 4
- Flow sensors 10 (4/20 mA)
- Decoder diagnostics and line voltage
- Alarm from sensors

Materials

- Box: PVC/ABS with key

Code	Description	Outputs nr	€
OPG779	Grower 6000 D control unit • LAN module + 3G/4G module + 1 year traffic included	200	4.745,70



> Aqualogic 500



DESCRIPTION

Application

- Interface Management of large ornamental and agricultural plants

Electrical output (2-wire)

- Use Tech decoder
- Rated voltage: 42V AC peak
- Maximum voltage: 42V AC peak
- Maximum current: 600 mA continuous
- Decoders: 500
- Active decoders: up to 100
- Digital sensor decoders: 200
- Analogue sensors: 40 analogue, 4 - 20mA, 150 analogue 0-10 VDC
- Terminals: 2 sets
- Wire size, terminal: AWG 12-16 / 2.0-3.5 mm²

Electrical input (remote system)

- Ethernet (RJ45): 1.10/100MB/s cable, <100m
- RS232: 115200 b/s, <30m cable
- Protection: Galvanic isolated

Mechanical/Other

- Dimensions (W x H x D): 145 mm x 105 mm x 75 mm
- Mounting: DIN rail
- GND loop: AWG 6/13 mm² - must be connected to a ground rod/plate with <10 Ohm - do not connect to the mains GNS as this cancels the corrosion protection of the 2-wire cable

Power supply

- Voltage, power supply: DIN rail - 42 VDC
- Power: 65W

Environment

- Operation: 0 to 50 degrees C
- Storage: -20 to 70 degrees C
- Humidity: 95% non-condensing

Cable length

- The following table shows the cable length (with decoders evenly distributed) with a system with active:
 - 100 output decoders on a single cable
 - 8 active decoders on a single cable
 - 10 decoders with 4-20 mA analogue sensor
 - 50 decoders for 0-10 VDC analogue sensors

Nominal wire size	Maximum cable lengths (km)	
	ring	linear
2,0 mm ²	14,0	3,5
2,5 mm ²	17,2	4,3
3,0 mm ²	20,8	5,2
3,5 mm ²	24,4	6,1

Code	Description	€
OPG781	AQUALOGIC 500 (MK3 Interface)	REQ.

> Tech Decoder



DESCRIPTION

Application

- Crysberg decoder modules

Specifics

- Compatible with Crysberg models Grower 6000 D and Aqualogic 500
- Unit power supply: max 33 V AC/min 21 V AC
- Consumption: 0,5 mA/25 mA
- Max solenoid/decoder distance: 100 mt
- Output power: adjustable from central unit
- Programmable via DPU (Decoder Programming Unit)
- Protection: Waterproof IP67
- 4- and 6-output decoder includes lightning protection
- Integrated diagnostics

Code	Description	€
OPG782	TECH + Decoder 1001 (MK3)	REQ.
OPG783	TECH + Decoder 2001 (MK3)	REQ.
OPG784	TECH + Decoder 4001 (MK3)	REQ.
OPG786	TECH + Decoder 6001 (MK3)	REQ.



> Decoder Sensor



DESCRIPTION:

Application

- Sensor

Specifics

- Compatible with Grower 6000 D and Aqualocic 500
- Allows reading of sensors located remotely using the single cable
- It doesn't need extra power in the field
- Configurable for contact, EV flow count and 4-20 mA
- Compatible with Grower family to monitor various conditions, generate alarms and perform associated actions
- Single sensor input
- Consumption: 8 mA (inactive), up to 28 mA for 4-20 mA mode
- Dimensions: length: 85 mm
- Max. distance from the sensor: 25 m
- Sensor types: contact, pulse count or 4-20 mA
- Contact types normally open or normally closed and dry contact
- Pulse count: up to 200 pulses per second
- Minimum pulse width 2,5 ms
- Sensor source: power supply with 20 V DC
- Surge Protection: Built-in
- Integrated diagnostics

Code	Description	€
OPG788	TECH + Sensor Decoder (MK3)	REQ.

> Lightning Protection



DESCRIPTION

Application

- Lightning protection module

Specifics

- Protects the system from atmospheric discharges
 - To be installed along the bipolar electric cable of the system
 - Install approximately every 150 meters or near network branches
 - Integrated diagnostics
 - Compatible with Crysberg Models:
- Grower 6000 D
 - Ranger 4000 D
 - Converter 3000 D
 - AGDI converter
 - Aqualocic 500

Code	Description	€
OPG787	Lightning protection decoder (MK3)	REQ.



See specific cable for Decoder
on page 108



See solenoids for Decoder
on page 133



> Agronic 2500

30	50	4	4	2	9	20	40	10	PC - APP Web	AgroBee



DESCRIPTION

Application

- Irrigation and fertigation control unit
- Applications in open field, fruit farming and vineyards, tunnel and glasshouses

Specifics

- LCD display - 128 x 64, backlit
- Waterproof soft-touch keyboard, alphanumeric and specific menu keys
- Language: Italian (others on request)
- Box version for free installation
- Built-in version for installation in electric panel

Hardware Features

- Outputs: 9 - 18 - 27
- Digital inputs: 6
- Analog inputs: 2 + 4 (optional)
- SDI12 protocol inputs: 8 (optional)
- 220/24 V AC transformer included in the specific model
- Free installation box dimensions: 220 x 190 x 110

Materials

- Free installation box: PC/ABS
- Front panel: aluminium
- Box support: stainless steel

No. of outputs	Model	Including	Box		Built-in	
			Code	€	Code	€
9	Agronic 2509 220/24 AC	Transformer 220/12 V 2 VA + 220/24 V 50 VA	OPG2500	1.352,00	OPG2503	1.462,70
9	Agronic 2509 12 V DC		OPG2506	1.213,70	OPG2509	1.324,30
9	Agronic 2509 Latch 2 Wires	Charge Limiter 12 V120 W	OPG2512	1.324,30	OPG2515	1.435,00
9	Agronic 2509 Latch 3 Wires	Charge Limiter 12 V 120 W + Box 01001	OPG2518	1.462,70	OPG2521	1.573,30
9	Agronic 2509 12 V DC double voltage	Transformer 220/24 V 2 A + Diesel option	OPG2524	1.370,40	OPG2527	1.481,10
9	Agronic 2509 12 V DC with battery charger	12 V battery charger	OPG2530	1.324,30	OPG2533	1.435,00
18	Agronic 2518 220/24 AC	Transformer 220/12 V 2 VA + 220/24 V 50 VA	OPG2501	1.508,80	OPG2504	1.619,40
18	Agronic 2518 12 V DC		OPG2507	1.370,40	OPG2510	1.481,10
18	Agronic 2518 Latch 2 Wires	Charge Limiter 12 V120 W	OPG2513	1.481,10	OPG2516	1.591,80
18	Agronic 2518 Latch 3 Wires	Charge Limiter 12 V 120 W + Box 01001	OPG2519	1.647,10	OPG2522	1.757,80
18	Agronic 2518 12 V DC double voltage	Transformer 220/24 V 2 A + Diesel option	OPG2525	1.527,20	OPG2528	1.637,90
18	Agronic 2518 12 V DC with battery charger	12 V battery charger	OPG2531	1.481,10	OPG2534	1.591,80
27	Agronic 2527 220/24 AC	Transformer 220/12 V 2 VA + 220/24 V 50 VA	OPG2502	1.886,90	OPG2505	1.969,90
27	Agronic 2527 12 V DC		OPG2508	1.748,50	OPG2511	1.831,50
27	Agronic 2527 Latch 2 Wires	Charge Limiter 12 V120 W	OPG2514	1.859,20	OPG2517	1.942,20
27	Agronic 2527 Latch 3 Wires	Charge Limiter 12 V 120 W + Box 01001	OPG2520	2.052,90	OPG2523	2.135,90
27	Agronic 2527 12 V DC double voltage	Transformer 220/24 V 2 A + Diesel option	OPG2526	1.905,30	OPG2529	1.988,30
27	Agronic 2527 12 V DC with battery charger	12 V battery charger	OPG2532	1.859,20	OPG2535	1.942,20



> Agronic 2500 Options

Option	Description	Note	Code	€
PLUS	Agronic 2500 plus option	For management of analogue sensors, conditioners, ec/ph reading, data logging, uniform fertility injection, pivot and Agrobée system - Code activation	FER2501	277,00

REMOTE MANAGEMENT AND COMMUNICATION

Option	Description	Note	Code	€
GPRS	GPRS communication - SMS messages	Includes GPRS modem not compatible with Wi-Fi option	FER2503	665,90
Wi-Fi	Wi-Fi communication	Connecting the Agronic 2500 to a Wi-Fi router - Max distance 50 m not compatible with GPRS option	FER2017	839,60
Radiolink	433 mhz radio communication	Connection of the Agronic 2500 via 433 mhz radio system to a PC - Max distance 2.5 km	FER2505	753,70

CONTROL OF EXTERNAL MODULES

Option	Description	Note	Code	€
Zigbee	Agrobée 868/915 mhz interface for Agronic 2500	For managing the Agrobée radio system - 800 m + 800 m repeater - includes coordinator, omnidirectional antenna with 10 m cable	FER2507	685,00
LoRa	Agrobée 868/915/433 mhz interface for Agronic 2500	For managing the Agrobée radio system - 2500 mt direct visibility - includes coordinator, omnidirectional antenna with 10 m cable	FER2520	685,00

SENSOR CONTROL

Option	Description	Note	Code	€
2 analogue inputs	Analogue inputs option	Board for 2 analogue inputs - requires Plus version installed	FER2508	379,70
SDI 12	SDI option 12 + 4 analogue inputs	Module for 8 sensors on SDI 12 protocol + 4 analogue sensors 4-20 ma	FER2516	534,30
RS485 ModBus	Serial port for RS485 ModBus gateway	Option to connect Davis Vantage Pro weather station - Requires SDI12 option installed - Compatible with Agrobée LoRa	FER2515	61,10

POWER SUPPLY

Option	Description	Note	Code	€
220/12 DC	External 220 V AC / 12 V DC transformer	For 12 V DC power supply - Socket model P17/11	FER2512	85,90
220/24 AC	AC 220 V / AC 24 V external transformer	For 24 V AC power supply - 50 VA - Socket model P17/11	FERC974	82,10
220/24 AC	AC 220 V / AC 24 V external transformer panel	For 24 V AC power supply - 100 VA	EQEA024	227,00

CONFIGURATOR

Option	Description	Code	€
Agrobée	Unit for configuration and verification (reading) of individual field units	FER458	614,40

SOFTWARE CONNECTION

Description	Note	Code	€
Web platform licence (Agronic App + Agronic Web)	Request GPRS or Wi-Fi option - Activation by code	FER194	153,00
PC programme licence (includes Agronic PC + Agronic App + Agronic Web)	Connection of up to 3 PCs with Wi-Fi and GPRS	FER2502	343,50

CONNECTION FEES*

Description	Note	€
Basic Cloud Connection Contract	Request web platform or PC program option	55,00
Cloud pro connection contract	Request Cloud base option	30,00
Movistar SIM card	Request GPRS communication option	60,00

* ANNUAL NET PRICES WITH DIRECT PAYMENT TO THE SERVICE PROVIDER

> Agronic 4000

										
99	35 x 12	8	8	4	4 x ∞	48	40 (14)	12	PC - APP Web	Radio monocable



MODELS CHART

Model	Supply	Solenoid type output tension
220/24 AC	220 V 50 Hz AC	24 V AC
12 V DC	12 V DC	12 V DC
Latch 2*	220 V 50 Hz AC	Bistable 12 V DC 2 wires

*On demand

DESCRIPTION

Application

- Irrigation e fertigation control unit vineyards, tunnels and glasshouses
- Applications in open fields, fruit farming and EC management, pH reading

Specifics

- LCD display - 2 lines x 40 characters - backlit
- Language: italian (others on request)
- Waterproof soft-touch keyboard, alphanumeric 23 keys
- Box version for free installation

Hardware Features

- Outputs: 16/24/32/48/64/80/96
- 220/24 V AC transformer not included in the specific model
- Digital inputs: 12 (expandable)
- Free installation box dimensions: 295 x 250 x 130
- Analog inputs: 40 (12 in the base box) not included

Materials

- Free installation box: PC/ABS
- Box support: stainless steel
- Front panel: aluminium

No. of outputs	Model	Including	Box	
			Code	€
16	Agronic 4016 220/24 AC	Transformer not included	OPG1154	2.539,80
16	Agronic 4016 12 V DC	Transformer not included	OPG1153	2.484,50
24	Agronic 4024 220/24 AC	Transformer not included	OPG1100	2.746,40
24	Agronic 4024 12 V DC	Transformer not included	OPG1155	2.691,00
32	Agronic 4032 220/24 AC	Transformer not included	OPG1102	2.952,90
32	Agronic 4032 12 V DC	Transformer not included	OPG1101	2.897,60
48	Agronic 4048 220/24 AC	Transformer not included	OPG1106	3.847,50
48	Agronic 4048 12 V DC	Transformer not included	OPG1105	3.792,10
64	Agronic 4064 220/24 AC	Transformer not included	OPG1110	4.253,20
64	Agronic 4064 12 V DC	Transformer not included	OPG1109	4.197,90
80	Agronic 4080 220/24 AC	Transformer not included	OPG1114	4.673,80
80	Agronic 4080 12 V DC	Transformer not included	OPG1113	4.618,40
96	Agronic 4096 220/24 AC	Transformer not included	OPG1118	5.086,90
96	Agronic 4096 12 V DC	Transformer not included	OPG1117	5.031,60

> Agronic 4000 Options

Option	Description	Note	Code	€
Conditioners	Programme conditioning option	For the integration of sensors with irrigation programmes	FER507	228,00
Dual voltage	Dual voltage option	For the management of system supply sets. 12 V control - 24 V AC control	FER961	95,00
Pressure regulation	Option for pressure control by external inverter with 4/20 mA control	Analogue In/Out and pressure sensor option required Code activation	FER973	167,00
RS232 expansion	RS232 port expansion		FER522	739,00
RS485 expansion	RS485 port expansion		FER964	739,00

REMOTE MANAGEMENT AND COMMUNICATION

Option	Description	Note	Code	€
GPRS	GPRS / SMS modem communication	Includes GPRS modem + quad band 3dBi antenna + 3 m cable + Movistar M2M SIM card - Not compatible with Wi-Fi option	FER310	725,10
RS232	RS232 communication	RS232 interface port with Agronic Monocable, Agronic Radio and Agronic PC, via cable (100 mt) or GSM modem	FER503	272,90
USB	USB communication	Connection via Agronic/PC USB cable - Max distance 15 mt	FER514	372,10

CONTROL OF EXTERNAL MODULES

Option	Description	Note	Code	€
RS485	RS485 communication	RS485 interface port with Agronic Monocable, Agronic Radio and Agronic PC, via cable (100 m)	FER504	181,30
Radio	Agronic Radio external module connection option	Agronic Radio system connection - requires an RS485 port Code activation	FER525	343,50
Radio	Agronic Radio 433 12 V DC connection - Agronic Radio433 EAR master module		FER561	2.194,20
Radio	Agronic Radio 433 220 V AC connection - Agronic Radio433 EAR master module		FER565	2.383,10
Monocable	EAM module connection option	Agronic Monocable system connection - requires an RS485 port - Code activation	FER967	229,00
Monocable	Complete EAM encoder module with transformer + SAI - free installation		FER456	2.699,90

SENSOR CONTROL

Option	Description	Note	Code	€
Analogue In/Out	Analogue in/out PRINCIPAL card - 6 in (5 x 4/20 mA + 1 x 0/20V) - 5 out	First installation	FER521	782,30
Analogue In/Out	Analogue in/out PRINCIPAL card - 6 in (5 x 4/20 mA + 1 x 0/20V) - 5 out	Field upgrade	FER528	795,00
Analogue In/Out	Analogue in/out add-on card - 6 in (5 x 4/20 mA + 1 x 0/20V) - 5 out	First installation	FER527	782,30
Analogue In/Out	Analogue in/out add-in card - 6 in (5 x 4/20 mA + 1 x 0/20V) - 5 out	Field upgrade	FER529	782,30
pH control - EC reading	pH/EC probe management option	Allows control of probes. Analogue In/Out board, probe transmitter and probes required - Code activation	FER501	153,00
RS485 ModBus	Serial port for RS485 ModBus gateway	Option to connect Davis Vantage Pro weather station - SDI12 option installed required - Compatible with Agrobbee LoRa	FER2515	61,10
SDI 12	SDI12 option + 4 analogue inputs	Module for 8 sensors on SDI12 protocol + 4 analogue inputs 4-20mA	FER199	391,20
6 Analogue inputs	Analogue input expansion options	Required together with SDI12 module for connection to complete Davis Vantage Pro weather station	FER190	360,70

POWER SUPPLY

Option	Description	Note	Code	€
220/12 DC	External 220 V AC / 12 V DC transformer	For 12 V DC power supply - Socket model P17/11	FER2512	85,90
220/24 AC	AC 220 V / AC 24 V external transformer	For 24 V AC power supply - 50 VA - Socket model P17/11	FERC974	82,10
220/24 AC	AC 220 V / AC 24 V external transformer panel	For 24 V AC power supply - 100 VA	EQEA024	227,00

CONFIGURATOR

Option	Description	Code	€
Radio - Monocable	Unit for configuration and verification (reading) of individual field units	FER458	614,40

SOFTWARE CONNECTION

Description	Note	Code	€
Web platform licence (Agronic App + Agronic Web)	Request GPRS or Wi-Fi option - Activation by code	FER194	153,00
PC programme licence (includes Agronic PC + Agronic App + Agronic Web)	Connection of up to 3 PCs with Wi-Fi and GPRS	FER2502	343,50

CONNECTION FEES*

Description	Note	€
Basic Cloud Connection Contract	Request web platform or PC program option	55,00
Cloud pro connection contract	Request Cloud base option	30,00
Movistar SIM card	Request GPRS communication option	60,00

* ANNUAL NET PRICES WITH DIRECT PAYMENT TO THE SERVICE PROVIDER



> Agronic 4500



															
4 heads	400 sectors	99 progra.	8 fertiliser. x head	6 motors x head	3 filter grup. x head	120 condit.	400 sensors count./det.	120 sensors analogue.	80 sensors cont. gen.	80 sensors digital	4 pivot	8 atomisation.	20 drains	modules various	irrigat. solar



BOX

BUILT-IN

DESCRIPTION

Application

- Irrigation and fertigation control units tunnels and greenhouses
- For open field applications, orchards and vineyards, EC management - pH reading

Specifics

- 1 TO 4 HEADS: Each head will be equipped with:*
- Pumping General Motors or valves: 6
 - Generator or motor pump: 1
 - Pressure regulation (PLUS version)
 - Solar pumping (SOLAR function)
 - FILTERS Group of independent filters 3
 - Number of filters: unlimited
 - FERTILIZATION Fertilisers: 8
 - Type of system: series, parallel or solar (SOLAR version)
 - Type of fertilisation: by EC (HIDRO function), Uniform, Proportional or Unit (time or volume)
 - pH adjustment: 1 or 2 (HIDRO version)
 - Plant protection treatments: 2 (HIDRO version)
 - Mixing of two waters (HIDRO version)
 - Tank control
 - IRRIGATION
 - SECTORS 99 or 400 (PLUS version)
 - For each sector:
 - Volume and energy meter

- Flow meter
- Type of crop and area
- Irrigation pressure (PLUS version)
- SECTOR GROUP: 40 (PLUS version)
- SECTORS per group: 20 (PLUS version)
- PROGRAMS: 40 or 99 (PLUS version)
- Sub-programmes or positions: 12 or 20 (PLUS version)
- Sectors in each sub-programme: 10 individual or 40 using groups
- Maximum sectors per programme in simultaneous irrigation: 40
- Number of conditioners: 6
- Start times: 6
- Drainage control (HIDRO function)
- Drainage for all programmes: 20 (HIDRO function)
- SOLAR IRRID Number of solar irrigation heads: 1 (SOLAR function)

Hardware features

- SENSORS
 - DIGITAL: 80 - ANALOGUE: 120
- COUNTERS: 80 (Counters with pulse, analogue and frequency output - Measurement of volume, energy and units - Sum of various counters)
- LOGIC: 20 (Number of inputs per sensor: 5 - Type of inputs: digital sensor, conditioner, digital output, logical sensor, sector, analogue sensor, counter sensor and analogue output - Addition, subtraction, average, AND or OR operations)
- CONDITIONERS: 120
- NEBULIZATION: 8 (Control for humidity/temperature or DPV)
- PIVOT: 4 (PIVOTS function)
- EXTERNAL MODULES
 - AGROBEE-L Number of coordinators: 2 (Number of modules per coordinator: 20 - Total number of modules: 40)
 - EXTERNAL MODBUSES: 32
 - AGRÓNIC MONOCABLE EAM: 2 (MAM modules for each EAM: 120)
 - AGRÓNIC RADIO EAR: 2 (MAR modules for each EAM: 60)
 - EXPANSION MODULES: 50



N° Outputs	Model	Power supply	Installation			
			Box		Built-in	
			Code	€	Code	€
24	Agronic 4500-24 220 V AC	220 V AC	OPG1127	3.024,90	OPG1120	3.209,30
40	Agronic 4500-40 220 V AC	220 V AC	OPG1128	3.486,00	OPG1121	3.670,40
56	Agronic 4500-56 220 V AC	220 V AC	OPG1129	4.408,20	OPG1122	4.223,70
72	Agronic 4500-72 220 V AC	220 V AC	OPG1130	4.869,30	OPG1123	4.684,80
88	Agronic 4500-88 220 V AC	220 V AC	OPG1131	5.330,40	OPG1139	5.145,90
104	Agronic 4500-104 220 V AC	220 V AC	OPG1132	5.791,50	OPG1140	5.607,00
24	Agronic 4500-24 12 V DC	12 V DC	OPG1133	2.941,90	OPG1141	3.126,30
40	Agronic 4500-40 12 V DC	12 V DC	OPG1134	3.403,00	OPG1142	3.587,40
56	Agronic 4500-56 12 V DC	12 V DC	OPG1135	4.325,20	OPG1143	4.140,70
72	Agronic 4500-72 12 V DC	12 V DC	OPG1136	4.786,30	OPG1144	4.601,80
88	Agronic 4500-88 12 V DC	12 V DC	OPG1137	5.247,40	OPG1145	5.062,90
104	Agronic 4500-104 12 V DC	12 V DC	OPG1138	5.708,50	OPG1146	5.524,00

> Opzioni Agronic 4500

OPZIONE VERSIONI

Description	Code	€
Option PLUS x A-4500	FER1003	913,00
Hydroponic monitoring option	FER1004	92,30
Pivot monitoring option	FER1005	562,60
Solar monitoring option	FER1006	544,10
2-wire lockout output option	FER1007	498,00
3-wire lockout output option	FER1008	REQ.
Dual voltage option	FER1009	110,70

REMOTE MANAGEMENT AND COMMUNICATION

Description	Code	€
Options USB connection for connection to nearby PC	FER2502	343,50
WEB platform options	FER194	153,00
Option gprs modem	FER310	725,10
Option Wi-Fi connection x A-4500	FER1010	700,90
Options USB connection	FER514	372,10
Options RS-485 connection	FER1011	645,60

CONTROL OF EXTERNAL MODULES

Description	Code	€
Agrobee 433MHz option	FER1012	793,10
RS-485 ME option	FER1013	359,70
RS-485 ModBUS option	FER1014	156,80
Agronic Radio Option	FER525	343,50
Monocable Option	FER967	229,00

EXPANSION OF ANALOGUE INPUTS AND OUTPUTS

Description	Code	€
ENTER/EXIT OPTION. ANALOG.VERS.3 xA-4000 - 06550964	FER521	782,30
OPTION +6 IN/OUT ANALOG. xA-4000 - 06550965	FER527	782,30
DIN Expansion Module 8S 4ED 4EA	FER1015	774,70
C/BOX Expansion Module 8S 4ED 4EA	FER1016	876,10
Expansion Module 24S 12ED	FER1017	1.411,00

HARDWARE OUTPUT EXPANSIONS

Description	Code	€
Expansion From 24 to 40 BOX & RECESSED Outputs	FER1018	534,90
40 to 56 Expansion BOX Outputs	FER1019	996,00
40 to 56 Expansion Flush Outputs	FER1020	534,90
56 to 72 Expansion BOX & RECESSED Outputs	FER1021	534,90
72 to 88 Expansion BOX & RECESSED Outputs	FER1022	534,90
Expansion 88 to 104 BOX & RECESSED Outputs	FER1023	534,90

POWER SUPPLY

Description	Code	€
220V-12V 2A transformer	FER2512	85,90
Solar panel regulator 12W	FER2519	88,60

UPGRADE FROM 4000/7000 TO 4500

Description	Code	€
A-4500 WITH MODEM for A-4000 BOX base (from S/N 55-xxxx)	FER1024	1.927,40
A-4500 WITH MODEM for A-4000 WITH BOX (as of S/N 55-xxxx)	FER1025	2.075,00
A-4500 WITH Wi-Fi for A-4000 base WITH BOX (from S/N 55-xxxx)	FER1026	1.927,40
A-4500 WITH Wi-Fi for A-4000 BUILT-IN base (from S/N 55-xxxx)	FER1027	2.075,00
A-4500 WITH MODEM for A-7000 BUILT-IN base	FER1028	2.508,40
A-4500 WITH Wi-Fi for BUILT-IN base A-7000	FER1029	2.508,40



> Agronic 5500

												
30	16 x 9	4 + 1	1	2	9	16	40	10	4	1	PC - APP Web	AgroBee



MODELS CHART

Model	Supply	Solenoid type output tension
220/24 AC	220 V 50 Hz AC	24 V AC
12 V DC	12 V DC	12 V DC

DESCRIPTION

Application

- Irrigation and fertigation control unit
- EC and pH management
- Soilless greenhouses, cultivations on soil and vineyards

Specifics

- LCD display - 128/64 pixel-backlit
- Language: italian (others on request)
- Waterproof soft-touch keyboard, alphanumeric, 15 keys
- Box version for free installation

Hardware Features

- Outputs: 10/20/30
- Counter inputs: 10
- Preconfigured outputs: 4 fertilizers - 1 acid
- 220/24 V AC transformer not included in the specific model
- Digital inputs: 16 (expandable)
- Free installation box dimensions: 296 x 287 x 120 mm
- Analog inputs: 6 - 12

Materials

- Free installation box: PC/ABS
- Box support: stainless steel
- Front panel: aluminium

No. of outputs	Model	Box		Built-in	
		Code	€	Code	€
10	Agronic 5510 - 220/24 AC	OPG1303	2.139,60	OPG1304	2.093,40
10	Agronic 5510 - 12 V DC	OPG1307	2.084,20	OPG1308	2.038,10
20	Agronic 5520 - 220/24 AC	OPG1305	2.360,90	OPG1306	2.314,80
20	Agronic 5520 - 12 V DC	OPG1309	2.305,50	OPG1310	2.259,40
30	Agronic 5530 - 220/24 AC	OPG1311	2.314,80	OPG1312	2.573,00
30	Agronic 5530 - 12 V DC	OPG1313	2.259,40	OPG1314	2.517,70

> Agronic 5500 Options

Option	Description	Note	Code	€
Dual voltage	Dual Voltage Option	For the management of system power generators. - 12 V control - 24 V AC control	FER192	188,90
Water mixture option	Option for mixing two different water sources	Code activation	FER197	153,00

REMOTE MANAGEMENT AND COMMUNICATION

Option	Description	Note	Code	€
GPRS	GPRS / SMS modem communication	Includes GPRS modem + quad band 3dBi antenna + 3 m cable + Movistar M2M SIM card - not compatible with Wi-Fi option	FER196	665,90
Wi-Fi	Wi-Fi communication	Connection to a Wi-Fi router - Max distance 50 m - Not compatible with GPRS option	FER200	839,60
Radiolink	433 MHz radio communication	Connection via 433 MHz radio system - Max distance 2.5 km	FER198	753,70
USB	USB communication	Connection of the Agronic 5500 via USB cable to a PC - Max. distance 3 metres	FER2504	353,00
RS485	RS485 communication	Connection of the Agronic 5500 via rs485 cable to a PC - Max distance 100 m.	FER2518	582,00

CONTROL OF EXTERNAL MODULES

Option	Description	Note	Code	€
Agrobee Zigbee	Agrobee 868/915 mhz interface for Agronic 2500	For managing the Agrobee radio system - 800 m + 800 m repeater - includes coordinator, omnidirectional antenna with 10 m cable	FER2507	685,00
Agrobee LoRa	Agrobee 868/915/433 mhz interface for Agronic 2500	For managing the Agrobee radio system - 2500 mt direct visibility - includes coordinator, omnidirectional antenna with 10 m cable	FER2520	685,00

SENSOR CONTROL

Option	Description	Note	Code	€
RS485 ModBus	Serial port for RS485 ModBus gateway	Option to connect Davis Vantage Pro weather station - SDI12 option installed required - Compatible with Agrobee LoRa	FER2515	61,10

POWER SUPPLY

Option	Description	Note	Code	€
220/12 DC	External 220 V AC / 12 V DC transformer	For 12 V DC power supply - Socket model P17/11	FER2512	85,90
220/24 AC	AC 220 V / AC 24 V external transformer	For 24 V AC power supply - 50 VA - Socket model P17/11	FERC974	82,10
220/24 AC	AC 220 V / AC 24 V external transformer panel	For 24 V AC power supply - 100 VA	EQEA024	227,00

CONFIGURATOR

Option	Description	Code	€
Agrobee	Unit for configuration and verification (reading) of individual field units	FER458	614,40

SOFTWARE CONNECTION

Description	Note	Code	€
Web platform licence (Agronic App + Agronic Web)	Request GPRS or Wi-Fi option - Activation by code	FER194	153,00
PC programme licence (includes Agronic PC + Agronic App + Agronic Web)	Connection of up to 3 PCs with Wi-Fi and GPRS	FER2502	343,50

CONNECTION FEES*

Description	Note	€
Basic Cloud Connection Contract	Request web platform or PC program option	55,00
Cloud pro connection contract	Request Cloud base option	30,00
Movistar SIM card	Request GPRS communication option	60,00

* ANNUAL NET PRICES WITH DIRECT PAYMENT TO THE SERVICE PROVIDER

> Agronic 7000

												
200	24	8	8	6	∞	47	53	14	9	1	PC - APP Web	Radio Monocable



MODELS CHART

Model	Power supply	Solenoid type output tension
220/24 AC	220 V 50 Hz AC	24 V AC
12 V DC	12 V DC	12 V DC

DESCRIPTION

Application

- Irrigation e fertigation control unit
- EC and pH management
- Soilless greenhouses

Specifics

- LCD display - 240 x 128 pixel - backlit
- Language: italian (others on request)
- Waterproof soft-touch keyboard, alphanumeric 24 keys
- Built-in version for panel installation

Hardware Features

- Outputs: 40 (expandable up to 200) model
- Digital inputs: 16 (expandable)
- Front panel dimensions: 365 x 235 x 55 mm
- Analog inputs: 16 (expandable)
- Box housing dimensions: 355 x 225 mm
- Fertilizer outputs: 8 for Ec - 2 for pH
- Internal unit dimensions: 285 x 235 x 80 mm
- 220/24 V AC transformer included in the specific

Materials

- Front panel: aluminium

No. of outputs	Model	Built-in	
		Code	€
40	Agronic 7000 220/24 AC	OPG1200	4.569,70
40	Agronic 7000 12 V DC	OPG1201	4.569,70

> Agronic 7000 Options

Option	Description	Note	Code	€
Pressure adjustment	Option for pressure control via external inverter with 4/20 mA control	Analogue In/Out option and pressure sensor required - Code activation	FER559	153,00
Water mixture option	Option for mixing two different water sources	Code activation	FER558	153,00

REMOTE MANAGEMENT AND COMMUNICATION

Option	Description	Note	Code	€
GPRS	GPRS / SMS modem communication	Includes GPRS modem + quad band 3dBi antenna + 3 m cable + Movistar M2M SIM card - Not compatible with Wi-Fi option	FER517	682,00
RS485	RS232 communication	RS232 interface port with Agronic Monocable, Agronic Radio and Agronic PC, via cable (100 mt)	FER566	257,60
USB	USB communication	Connection via Agronic/PC USB cable - Max distance 15 mt	FER514	372,10

CONTROL OF EXTERNAL MODULES

Option	Description	Note	Code	€
RS485	RS485 communication	RS485 interface port with Agronic Monocable, Agronic Radio and Agronic PC, via cable (100 m)	FER556	87,00
Radio	Agronic Radio external module connection option	Agronic Radio system connection - requires an RS485 port - Code activation	FER525	343,50
Radio	Agronic Radio 433 12 V DC connection - Agronic Radio433 EAR master module		FER561	2.194,20
Radio	Agronic Radio 433 220 V AC connection - Agronic Radio433 EAR master module		FER565	2.383,10
Monocable	EAM module connection option	Agronic Monocable system connection - requires an RS485 port - Code activation	FER454	229,00
Monocable	Complete EAM encoder module with transformer + SAI - loose installation		FER456	2.370,00

SENSOR CONTROL

Option	Description	Note	Code	€
RS485 ModBus	Serial port for RS485 ModBus gateway	Option to connect Davis Vantage Pro weather station - SDI12 option installed required	FER2515	61,10
SDI 12	SDI12 option + 4 analogue inputs	Module for 8 sensors on SDI12 protocol + 4 analogue inputs 4-20mA	FER199	391,20
6 Analogue inputs	Analogue input expansion options	Required together with SDI12 module for connection to complete Davis Vantage Pro weather station	FER190	360,70

IN/OUT EXPANSIONS

Option	Description	Note	Code	€
16 24 V outputs	Relay output expansion options	5 modules of 16 outputs can be installed	FER455	433,00
12 analogue outputs	Option 12 analogue outputs	Option for installation of 12 analogue 0-10 V control outputs	FER550	601,10
16 digital inputs	Option 16 digital inputs	Expansion module 16 digital inputs	FER551	229,00

POWER SUPPLY

Option	Description	Note	Code	€
220/24 AC	AC 220 V / AC 24 V external transformer	For 24 V AC power supply - 50 VA - Socket model P17/11	FERC974	75,30
220/24 AC	AC 220 V / AC 24 V external transformer panel	For 24 V AC power supply - 100 VA	EQEA024	227,00

CONFIGURATOR

Option	Description	Code	€
Radio - Monocable	Unit for configuration and verification (reading) of individual field units	FER458	614,40

SOFTWARE CONNECTION

Description	Note	Code	€
Web platform licence (Agronic App + Agronic Web)	Request GPRS or Wi-Fi option - Activation by code	FER194	153,00
PC programme licence (includes Agronic PC + Agronic App + Agronic Web)	Connection of up to 3 PCs with Wi-Fi and GPRS	FER2502	343,50

CONNECTION FEES*

Description	Note	€
Basic Cloud Connection Contract	Request web platform or PC program option	55,00
Cloud pro connection contract	Request Cloud base option	30,00
Movistar SIM card	Request GPRS communication option	60,00

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> Agrobee



DESCRIPTION

Application

- Radio system for communication among central unit (Agronic 2500 or Agronic 5500) and users on field
- Can be used on open field for protected crops

Specifics

- Communication by standard ZIGBEE: 868 Mhz/2,4Gz - communication maximum distance 800/1600 mt (free range) - The ZIGBEE standard allows the insertion of 1 repeater between field unit and central system (version on request)
- Communication by standard LoRa: 868 Mhz - communication maximum distance 2500 mt (free range)
- The LoRa standard allows open field communication over long distances between field units and central system (standard version)
- Maximum units number to be managed: 16 ZIGBEE/20 LoRa
- Power supply: battery (1,5V x 2 AA)
- 1,6 W solar panel with supercapacitor

Hardware Features

- DEPENDING ON THE USED MODEL*
- Inputs: 2/6 digital - 1/2 analog
 - Outputs: 2/6/8 12 V DC Latch commands

Materials

- Free installation box: PC/ABS
- Box support: stainless steel
- Front panel: aluminium

FIELDS MODULES

Code	Version	Description	€
OPG3004	ZIGBEE	2SD-2ED (2 solenoids 2 wires, latch, 2 digital inputs)	REQ.
OPG3007	ZIGBEE	2SD-2ED-1EA (2 solenoids 2 wires, latch, 2 digital inputs, 1 analog input)	REQ.
OPG3012	ZIGBEE	6SD-6ED-2EA (6 solenoids 2 wires, latch, 6 digital inputs, 2 analog inputs)	REQ.
OPG3016	ZIGBEE	8SD-2ED (8 solenoids 2 wires, latch, 2 digital inputs)	REQ.
OPG3018	ZIGBEE	9SD-2ED-2EA (9 solenoids 2 wires, latch, 2 digital inputs, 2 analog inputs)	REQ.
OPG3017	ZIGBEE	RPT solar power supply repeater	REQ.
OPG3030	LoRa	2SD-2ED (2 solenoids 2 wires, latch, 2 digital inputs)	971,20
OPG3031	LoRa	2SD-2ED-1EA (2 solenoids 2 wires, latch, 2 digital inputs, 1 analog input)	990,30
OPG3033	LoRa	6SD-6ED-2EA (6 solenoids 2 wires, latch, 6 digital inputs, 2 analog inputs)	1.181,10
OPG3032	LoRa	8SD-2ED (8 solenoids 2 wires, latch, 2 digital inputs)	1.232,60
OPG3034	LoRa	9SD-2ED-2EA (9 solenoids 2 wires, latch, 2 digital inputs, 2 analog inputs)	1.251,70

FIELDS UNITS - SENSOR EXCLUDED

Code	Version	Description	€
OPG3021	ZIGBEE	H2O (1 analogue input, 1 soil water sensor)	REQ.
OPG3022	ZIGBEE	3MA (3 analogue sensors, 1 digital sensor)	REQ.
OPG3023	ZIGBEE	SDI-12 (1 digital input for up to 4 tri-sensors)	REQ.
OPG3028	ZIGBEE	Watermark (3 watermark sensors)	REQ.
OPG3036	LoRa	H2O (1 analogue input, 3 soil water sensors)	980,80
OPG3038	LoRa	SDI-12 (1 digital input for up to 4 tri-sensors)	978,90
OPG3037	LoRa	Watermark (3 watermark sensors)	1.200,20



See probes on pages 102 - 103 - 104

ACCESSORIES AGROBEE SUPPORT AND FIXING



Code	Description	€
FVR002	Radio support quick coupling for aluminium stake	39,00
FVR003	Radio support aluminium stake 3/4" 3 mt	60,00
FVR004	Extension for radio support aluminium stake 3/4" 3 mt	55,00
FVR101	Radio support aluminium stake (complete) 3/4" 6 mt	133,00

FIELD UNITS COMPLETE WITH PROBES AND/OR ZIGBEE SENSORS

Code	Description	€
OPG3024	Agrobee Solar dendrometer with 1 sensor	984,60
OPG3025	Agrobee Solar dendrometer with 2 sensors	1.022,70
OPG3026	Solar Agrobee 3LV with 1 ultrasonic level sensor	1.707,70
OPG3027	Solar Agrobee 3LV with 3 ultrasonic level sensors	3.482,10
OPG3029	Solar Agrobee Parshall with 1 channel level sensor	1.675,30



> Agronic Single-Cable



DESCRIPTION

Application

- Via cable communication system, by encoders, between field/onsite units and central unit
- Usable in open field and protected crops

Specifics

- Communication: two-pole cable, twist
- Maximum communication distance: 10 km
- Units to be managed: maximum 120
- Field/onsite unit power supply: by EAM central unit
- EAM central unit power supply: 220V 50Hz - buffer batteries
- Compatible with Agronic 4000 and Agronic 7000

Hardware Features

- RELATED TO MAM FIELD UNIT MODEL
- Outputs: 1, 2, 3, 5, 8, 12 V DC latch command
- Inputs: 2, 4, 7, 8, digital 1 analog
- Communication max polling: 2 min
- Encapsulated in watertight box

Materials

- Box: PVC/ABS

ENCAPSULATED FIELDS MODULES

Code	Model	Out/In	€
FER463	MAM 1-20	1 x 12 V Latch output/2 digital inputs	513,30
FER465	MAM 1-20R	1 output 24V AC/2 digital inputs	551,50
FER457	MAM 2-00	2 x 12 V latch output	494,20

Code	Model	Out/In	€
FER464	MAM 3-20	3 12 V latch outputs/2 digital inputs	551,50
FER469	MAM 5-72	5 outputs/7 digital/2 analogue inputs	837,70
FER488	MAM 8-102	8 outputs/10 digital/2 analogue inputs	971,20

OPTIONS

Code	Description	€
FER459	Communication line protection against adverse weather events	36,30

> Agronic Radio



DESCRIPTION

Application

- Free communication system, via radio, by encoders, between field units and central unit
- Usable in open field and protected crops

Specifics

- Communication: 433 MHz radio frequency
- Self-setting available channels: 99
- Maximum communication distance: 1,2 km (2,4 by repeater)
- Units to be managed: maximum 60
- Unit field power supply: long term lithium battery or 2W solar panel
- EAR central unit power supply: 220V 50 Hz - 12V DC
- Compatible with Agronic 4000 and 7000

Hardware Features

- Related to mar field unit model
- Outputs: 4, 10, 16/ 12V DC latch command
- Inputs: 4, 10, 16 digital, 2 analog
- Communication max polling: 1min
- MAR modules: IP66 protection
- Built-in external box

Materials

- Box: PVC/ABS

ENCAPSULATED FIELDS MODULES

Code	Description	€
FER562	MAR 4-42 4 12V latch outputs/4 digital inputs/2 analog inputs	1.492,10
FER563	MAR 10-102 10 12V latch outputs/10 digital inputs/2 analog inputs	1.864,20
FER564	MAR 16-162 16 12V latch outputs/16 digital inputs/2 analog inputs	2.264,80

CLIMATE

Code	Name	Description	Compatibility	Connection	€	
FSM025	Davis Vantage Pro weather station	Temperature/humidity; rain gauge; anemometer; wind speed + direction; 5 4-20 mA outputs	2500/4000/5500	Direct 5 ana. + 1 dig.	4.401,70	
FER975	Progres weather station	Temperature/humidity; rain gauge (0,2 l/p); anemometer; wind speed + direction; solar radiation; single 12 m cable output for 4-20 mA connection	2500/4000/5500	Direct 6 ana. + 1 dig.	3.806,50	
FSM021	Davis solar radiation probe	Solar radiation sensor with mounting bracket	Davis weather station	Direct	630,00	
FER600	1 liter rain gauge	Volumetric drainage control; 1 l/m ² ; digital output	2500/4000/5500/7000/ Agrobee LoRa	Direct 1 dig.	393,00	
FER605	0,2 liter rain gauge	External rain measurement 0,2 l/pulsation; digital output	2500/4000/5500/7000/ Agrobee LoRa	Direct 1 dig.	549,60	
FER513	Anemometer 4-20 mA	Wind speed; reading range from 0 to 120 km/h; 4-20 mA output	2500/4000/5500/ Radio/Single cable/ Agrobee	Direct 1 ana.	341,60	
FER417	Temperature 4-20 mA	Temperature; working range -40° C + 85 °C IP65; 4-20 mA output	All models	Direct 1 ana.	256,00	
FER415	Relative humidity 4-20 mA	Atmospheric humidity for outdoors; 5m cable included; 4-20 mA output	All models	Direct 1 ana.	465,60	
FER602	Ventilated 4-20 mA humidity probe	Humidity in GREENHOUSES or humid environments; 5m cable included; 4-20 mA output	All models	Direct 1 ana.	812,90	
FER419	4-20 mA humidity and temperature probe	Relative humidity and temp .; 5 m cable and solar protector; 4-20 mA output	All models	Direct 1 ana.	1.085,70	
FER412	Solar radiation 4-20 mA	Solar radiation, pole mounting with fixing clip and 5 m cable	All models	Direct 1 ana.	372,10	

WATER

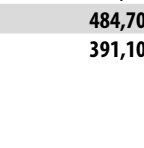
Code	Name	Description	Compatibility	Connection	€	
FER819 + FER821	PH probe - Epoxy body + probe holder	pH of the water (recommended for low pressure systems)	2500/4000/5500/7000/ Single cable/Radio	FER400 or FER401 transmitter 1 ana.	143,80 43,70	
FER097	Ph probe with 3/4 "probe holder	pH of the water (recommended for high pressure systems)	2500/4000/5500/7000/ Single cable/Radio	FER400 or FER402 transmitter 1 ana.	324,00	
ATRO51	4 electrode blue EC probe	EC detection 4 electrodes	2500/4000/5500/7000/ Single cable/Radio	FER400 o FER401 transmitter 1 ana.	592,90	



SOIL

Code	Name	Description	Compatibility	Connection	€	
FSM170	Teros 10 Soil moisture	Open field; measures soil moisture	All models	FER409 or FER410 transmitter	550,00	
FSM171	Teros 12 Soil moisture	In the greenhouse; measure: soil moisture, temperature, EC	All models	FER414 transmitter	937,00	
FER603	Watermark tensiometer 4-20	Tensiometric detection; measures from 0 to 239 cbar.	All models	Trasm. FER568	118,00	
ATR065	Acquacheck. Probe soil moisture.	4 LEVELS probe; 800 mm	All models	FER414 transmitter	1.543,00	
ATR066	Acquacheck. Probe soil moisture.	6 LEVELS probe; 1,200 mm	All models	FER414 transmitter	1.984,00	
ATR067	Acquacheck. Probe soil moisture.	8 LEVELS probe; 1,400 mm	All models	FER414 transmitter	2.425,00	
ATR068	Drill & Drop. Humidity probe and temp. soil	3 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	1.669,20	
ATR069	Drill & Drop. Humidity probe and temp. soil	6 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	2.443,90	
ATR070	Drill & Drop. Humidity probe and temp. soil	9 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	3.273,90	
ATR071	Drill & Drop. Humidity probe and temp. soil	12 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	4.076,20	
ATR072	Drill & Drop. Humidity probe, temp. and EC of the soil	3 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	2.028,90	
ATR073	Drill & Drop. Humidity probe, temp. and EC of the soil	6 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	2.988,00	
ATR074	Drill & Drop. Humidity probe, temp. and EC of the soil	9 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	4.002,40	
ATR075	Drill & Drop. Humidity probe, temp. and EC of the soil	12 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	4.989,20	

PLANT

Code	Name	Description	Compatibility	Connection	€	
FER470	Photosynthetic radiation 4-20 mA	Photon flow sensors; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.374,10	
FER471	NVDI	Reflectance Vegetation index	Agrobee LoRa	FER414 transmitter	6.252,60	
FER472	PRI	Photochemical reflectance index; including stand	Agrobee LoRa	FER414 transmitter	REQ.	
FER473	Ecomatik DC3 25mm trunk dendrometer	Measurement of trunk contraction and dilation; diameter up to 25mm	2500/4000/5500/Agrobee/ Single cable/Radio	Transm. FER503 Agrobee specific unit	1.361,20	
FER474	Verdtech 7mm trunk dendrometer	Measurement of trunk contraction and dilation; diameter up to 70mm	2500/4000/5500/Agrobee/ Single cable/Radio	FER503 Agrobee transmitter specific unit	1.468,20	
FER475	Trunk dendrometer 5/25 mm	Measurement of stem contraction and expansion; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.641,60	
FER476	Trunk dendrometer 10/70 mm	Measurement of stem contraction and expansion; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.641,60	
FER477	Ecomatik DF 15/110 mm fruit dendrometer	Measurement of the contraction and expansion of a plant organism; shows organism growth and water stress	2500/4000/5500/Agrobee/ Single cable/Radio	FER503 Agrobee transmitter specific unit	1.287,40	
FER478	Fruit dendrometer FI- 30 mm	Measurement of the contraction and expansion of a plant organism; shows the growth of the organism and water stress; diameter 30-45-90-160 mm; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.835,20	
FER479	Fruit dendrometer FI- 45 mm			Direct	1.835,20	
FER480	Fruit dendrometer FI- 90-mm			Direct	1.835,20	
FER481	Fruit dendrometer FI- 160 mm			Direct	1.835,20	
FER482	Lymphatic flow at 5 or 10 mm	Movement measurement of lymphatic flow of small leaves; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.785,40	
FER483	Lymphatic flow at 5 or 10 mm	Movement measurement of the lymphatic flow of large leaves; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.785,40	
FER484	Small leaf temperature	Leaf temperature	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.034,80	
FER485	Large leaf temperature	Leaf temperature	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.584,40	
FER486	Leaf moisture	Leaf humidity	2500/4000/5500/Agrobee/ Single cable/Radio	FER409 Agrobee transmitter specific unit	523,00	

TRANSMITTERS

Code	Name	€
FER409	H2O transmitter 2 sensors	470,40
FER410	H2O 3-sensor transmitter	498,00
FER414	SDI transmitter 12	415,00
FER400	EC/Ph transmitter	713,60
FER401	PH transmitter	484,70
FER402	EC transmitter	484,70
FER530	Dendrometer transmitter	391,10



DESCRIPTION

Satellite Monitoring

- Enables daily or periodic reception of satellite monitoring data
- Includes: evapotranspiration, leaf transpiration, soil evaporation, vigour index, foliar area index, leaf cover index, leaf chlorophyll content, leaf water content, soil moisture, virtual weather station
- Allows: irrigation advice generation

Environmental monitoring

- Weather station with data reception every 15 min
- Consisting of: temperature, relative humidity, solar radiation, rain gauge, anemometer, wind direction

Communication

- GPRS communication: for connecting management components to the Irreo system cloud
- LoRa communication: for connecting the management and detection components to the concentrator hub

Field management

- Irreo Hub: for both local and radio management of pumps, filters, fertigators, hydrovalves and the reading of meters and humidity probes
- Irreo Edge max: for local management of medium-sized irrigation systems
- Irreo Edge mini: for local management of small irrigation systems

Function	Code	Description	Note	€
Monitoring	SAT025	Licenza annuale Irreo Software (€/ha)	durata 12 mesi dalla data di attivazione	46,00
GPRS communication	SAT024	Connessione Cloud (1) annuale GSM/3G Melita	durata 12 mesi dalla data di attivazione	REQ.
	SAT023	Connessione Cloud (2) annuale GSM/3G-4G Melita	durata 12 mesi dalla data di attivazione	REQ.

Function	Code	Model	Description	Note	€
Hub concentrator field management	SAT001	Irreo Hub 230 V	8 expandable relays - 4 in Dig. - 4 in 4-20mA - LoRa - GPRS	needs cloud 2	4.040,00
	SAT002	Irreo Hub mini 230 V	4 relays - 4 In Dig. - 4 in Ana 4-20mA - LoRa - GPRS	needs cloud 1	2.308,00
	SAT003	Irreo Hub Expansion	8 relays hardware module		369,00
	SAT004	LoRa Antenna x outdoor	LoRa antenna 4 dBm - cable 2.5 m		338,00
	SAT010	Irreo RTU LoRa command	2 x 12 V latch + 2 In Dig.		532,00
	SAT011	Irreo RTU LoRa read	2 x In 4-20 mA + 2 In Dig.		532,00

Gateway LoRa field management	SAT042	Irreo Edge Gate LoRa	max 35 connectable units	requires cloud 2	1.910,00
	SAT034	Irreo Edge Mini LoRa dig.	2 x 12 V latch + 2 In Dig - solar panel	requires Irreo LoRa	532,00
	SAT035	Irreo Edge Mini LoRa ana.	2 x 12 V latch - 2 x In 4-20 mA - solar panel	requires Irreo LoRa	532,00
	SAT033	Irreo Edge Mini LoRa multi	2 x 12 V latch + 1 x Relay + 2 x In Dig + 2 x In 4-20 mA + 2 x 0-5 V + Bus SDI12 - solar panel	requires Irreo LoRa	671,00
	SAT037	Irreo Edge Max LoRa 10	10 x 12 V latch 3 x Relay - 3 x In Dig - 3 x In 4-20 mA - 3 x 0-5 V - Bus SDI12 - solar panel	requires Irreo LoRa	1.969,00
	SAT039	Irreo Edge Max LoRa 18	18 x 12 V latch 5 x relay - 4 In Dig - 4 x In 4-20 mA - 4 x 0-5 V - Bus SDI12 - solar panel	requires Irreo LoRa	2.326,00
	SAT041	Irreo Edge Max LoRa 26	26 x 12 V latch 7 x relay - 5 In Dig - 5 x In 4-20 mA - 5 x 0-5 V - Bus SDI12 - solar panel	requires Irreo LoRa	2.566,00
	SAT043		Solar panel kit 80 W + battery 50 Ah for Irreo Edge Gate LoRa		919,00

GSM field management	SAT032	Irreo Edge Mini GSM multi	2 x 12 V latch + 1 x relay + 2 In Dig + 2 x In 4-20 mA + 2 x 0-5 V + Bus SDI12 - solar panel	requires cloud 1	855,00
	SAT036	Irreo Edge Max GSM 10	10 x 12 V latch 3 x Relay - 3 x In Dig - 3 x In 4-20 mA - 3 x 0-5 V - Bus SDI12 - solar panel	needs cloud 1	2.363,00
	SAT038	Irreo Edge Max GSM 18	18 x 12 V latch 5 x relay - 4 In Dig - 4 x In 4-20 mA - 4 x 0-5 V - Bus SDI12 - solar panel	needs cloud 1	2.698,00
	SAT040	Irreo Edge Max GSM 26	26 x 12 V latch 7 x relay - 5 In Dig - 5 x In 4-20 mA - 5 x 0-5 V - SDI12 bus - solar panel	needs cloud 1	2.905,00

Environmental monitoring	SAT030	Irreo Edge GSM weather		needs cloud 1	997,00
	SAT031	Irreo Edge LoRa weather		needs conn. LoRa	763,00



CLIMATE - WATER SENSORS SEE PAGE 102

SOIL SENSORS SEE PAGE 103

PLANT SENSORS SEE PAGE 104



> Ferticontrol PRO-FV16



DESCRIPTION

Application

- Fertilizers and acids management, injection control by time
- Volume option by fertilizers meters
- Acid management by pH probe
- Compact and easy to install, it is the best solution for small farms

Specifics

- Dimensions: 130 cm height - 70 cm width - 50 cm depth
- Chassis: AISI 304 stainless steel
- Minimum working pressure: 1,5 bar
- Injection maximum pressure according to suctions numbers: 6 bar max
- Multistage horizontal cylinder block electric pump, 1,2 HP base - max 2HP 230V single-phase, parts in contact with liquids are AISI304 stainless steel
- Maximum injection of each Venturi 400 l/h
- Optional digital device with LCD display in the panel to read EC value and set an alarm
- 16 electrovalves (24V AC), 3 fertilizers by time/volume, 3 fertilizer pulse outputs, 1 pulse counter, 1 booster pump, 1 general pump or master valve, 5 digital inputs (1 irrigation meter, 3 fertilizers meters, 1 differential pressure switch), 3 outputs for filters washing control, 1 alarm output
- 2 programmable outputs with possibility to manage 2 agitators
- Digital pH (8 lt/h) dosing pump - 8 bar, with LCD display, regulation proportional band according to the signal received by the pH probe (ex. pH7=pump at 100% - pH 5= pump at 0%)
- *ELECTRONICAL PANEL IN COMPLIANCE TO THE APPLICABLE REGULATIONS*
- Dimensions: 40 x 30 x 15
- IP55 plastic box
- General switch lock door
- Automatic or manual keyboard selection
- LCD display for visualizing electrical data, adjustable amperometric protection and dry running
- Maximum consumption: 12 Amp 230V single-phase for 2HP pump
- Fertilizers suction/pH injection/pressure max bar
- Function by time/volume
- 1 bar pressure increase option
- Version with Agronic 2500 on request

FV16 CONTROL UNIT IN THE PANEL TO MANAGE:

- 16 electrovalves (24V AC), 3 fertilizers by time/volume, 3 fertilizer pulse outputs, 1 pulse counter, 1 booster pump, 1 general pump or master valve, 5 digital inputs (1 irrigation meter, 3 fertilizers meters, 1 differential pressure switch), 3 outputs for filters washing control, 1 alarm output
- 2 programmable outputs with possibility to manage 2

Code	Description	Programmer	Fertilizer suction	Injection pH	Press. max bar	€
AFE1005	Function by time	FV16	1+	1	6	6.408,00
AFE1006	Function by time	FV16	2+	1	5*	6.990,00
AFE1007	Function by time	FV16	3+	1	4*	7.609,00
AFE1008	Function by volume	FV16	1+	1	6	6.690,00
AFE1009	Function by volume	FV16	2+	1	5*	7.590,00
AFE1010	Function by volume	FV16	3+	1	4*	8.500,00
AFE1009-B	Function by volume	Agronic 2518	2	1	6	7.002,00
AFE1009-A	Function by volume	Agronic 2527	2	1	6	7.367,00
AFE1010-A	Function by volume	Agronic 2527	3	1	5*	8.127,00

*Option pressure boosting 1 bar

Control programmer	Fertiliser injection	Acid injection	Max. number of injections	Weight Kg	Meters
FV16	By time - volume - proportional	By probe	3 + 1	55	Yes
Agronic 2500	By volume - time	By probe	3 + 1	55	Yes

> Ferticontrol SA



DESCRIPTION

Application

- Fertilizer and acidification management soilless/hydroponic crops
- By-pass fertirrigation systems, completely preassembled with

Specifics

- Dimensions: 140 cm height - 85 cm width - 75 cm depth - kg 100 maximum weight
- Chassis: AISI 304 stainless steel or anodized aluminium
- Working pressure: 1,5 bar min. - 6 bar max
- Centrifugal vertical axis electric pump HP2 - 400V or 230V single-phase (parts in contact with liquids are AISI304 stainless steel), 4,3 A (400V) maximum consumption and 7,5 A (single-phase)
- Maximum injection for each Venturi: 400 l/h
- Real flow-rate of each injection system can be displayed directly by flowmeters
- SA 4000 models for acid injection use, on request, a 20 l/h at 7 bar dosing pump
- Derivation probes for Ph control (in S A 4000 and S A 5000 models) and conductivity control (only for S A 5000 models)
- THE PULPIT ELECTRIC PANEL IN COMPLIANCE WITH APPLICABLE RULES
- IP55 plastic box
- General door lock switch
- Manual - zero - automatic selector for Venturi aspiration pump with run-spy and stop
- Alarm
- Irrigation pump command
- Power stabilizer not included

Code	Mod.	Agronic programmer	Standard outputs	Fertilizer injections nr	€
AFE2505	2518 SA2	2500	18	2	8.049,00
AFE2506	2518 SA3	2500	18	3	8.707,00
AFE2507	2518 SA4	2500	18	4	9.578,00
AFE2503	2527 SA2	2500	27	2	8.280,00
AFE2501	2527 SA3	2500	27	3	8.968,00
AFE2502	2527 SA4	2500	27	4	9.820,00
AFE2012	4016 SA2	4000	16	2	9.578,00
AFE2013	4016 SA3	4000	16	3	10.264,00
AFE2017	4016 SA4	4000	16	4	11.088,00
AFE2018	4024 SA2	4000	24	2	10.069,00
AFE2014	4024 SA3	4000	24	3	10.756,00
AFE2015	4024 SA4	4000	24	4	11.538,00

Acid control: SA 2500 and SA4000 optional
Fertilizers control by volume: SA 2500 and SA4000 optional

Code	Mod.	Prog. Agronic	Standard outputs	Fertilizer injections nr	€
AFE5523	5520 SA3	5500	20	3	11.644,00
AFE5524	5520 SA4	5500	20	4	12.201,00
AFE5525	5520 SA5	5500	20	5	12.764,00
AFE5513	5530 SA3	5500	30	3	11.941,00
AFE5514	5530 SA4	5500	30	4	12.498,00
AFE5515	5530 SA5	5500	30	5	13.066,00
AFE2020	7000 SA3	7000	40	3	14.428,00
AFE2021	7000 SA4	7000	40	4	14.996,00
AFE2022	7000 SA5	7000	40	5	15.601,00

Acid control: SA 5500 and SA 7000 included
Fertilizers control by EC: SA 5500 e SA 7000
Fertilizers control by volume: SA 7000 optional

ACID INJECTION OPTION

Code	Description	€
AFE0060	AMS/pH 20 lt 7 bar + pH probe + stainless steel support	2.435,40

Command programmer	Fertilizer injection	Acid injection	Injections max nr	Weight kg	Meters
Agronic 2500	By time - volume	By probe	5	95	Yes
Agronic 4000	By volume - time - proportional	By probe	5	95	Yes
Agronic 5500	By electrical conductivity	By probe	5	95	No
Agronic 7000	Mixed (electrical conductivity or volume)	By probe	5	95	No



Management Computers > Accessories

> Low-Tension Paige Electrical Cables

Code	Description	mm ²	Box	€/mt	
CCV008	Black unipolar	1,50	mt 760	1,50	
CCV010	Yellow unipolar	1,50	mt 760/100*	1,50	
CCV009	Black unipolar	2,50	mt 760	2,40	
CCV017	Yellow unipolar	2,50	mt 760/100*	2,40	
CVF050	2 poles	0,82	mt 152	1,50	
CVF056	3 poles	0,82	mt 76	2,10	
CVF051	5 poles	0,82	mt 76	3,20	
CVF052	7 poles	0,82	mt 76	4,30	
CVF055	9 poles	0,82	mt 76	5,60	
CVF053	10 poles	0,82	mt 76	6,20	
CVF054	13 poles	0,82	mt 76	8,00	

*100 mt coils on request

> FG16 Electrical Cables

Code	Description	mm ²	Box mt	€/mt	
CVF257	2 poles	1,50	100	2,90	
CVF262	4 poles	1,50	100	4,60	
CVF265	5 poles	1,50	100	5,40	
CVF266	7 poles	1,50	100	8,60	

> Encoder Cables

Code	Mod.	Description	mm ²	Box mt	€/mt	
CVF087	750 CY	2 poles	1,50	100	3,60	

Code	Mod.	Description	Box mt	€/coil*	
CVI052	MW0501	Double insulation bipolar cable (Pe-Pe) - 2 x 2,5 mm ² section Maximum lengths: 12 km ring - 3 km linear	500	1.691,58	

*See Rain Bird terms of discount

> Connectors

Code	Description	mm ²	Box	€/each	
OAA015	Connector 316IR non-buriable	3,90	30	3,20	
OAA010	Connector 3 cables	4,00	20	4,46	
OAA008	Connector DBR/Y-6	6,00	1	4,80	
OAA051	Connector LV9000 resin coated - 48V residential applications	6,00	24	3,50	



Management Computers > Accessories

EC PROBES

Code	Description	Cable mt	Bar _{max}	€	
FER099	EC probe	5	6	217,00	

FERTIRRIGATION ELECTROVALVES

Code	Description	Model	€	
OVA850	Fertirrigation electrovalve	D132	218,00	
OVA865	Fertirrigation electrovalve	S12 24V	230,20	
OVA864	Fertirrigation electrovalve	S11 12V	230,20	

SPEED AND FLOW-RATE PROBE (FLOWMETER)

Code	Description	Ø mm	m ³ /h min	€	
FER101	Speed and flow-rate probe			1.835,00	
FER770	Bracket for flowmeter	50	2	60,00	
FER771	Bracket for flowmeter	63	3	62,00	
FER772	Bracket for flowmeter	75	4	70,00	
FER773	Bracket for flowmeter	90	6	73,00	
FER774	Bracket for flowmeter	110	9	76,00	
FER775	Bracket for flowmeter	125	12	147,00	
FER776	Bracket for flowmeter	140	16	116,00	
FER777	Bracket for flowmeter	160	19	144,00	

VERTICAL FLOWMETER WITH DIRECTLY DISPLAYED FLOWRATE

Code	Coupling Ø	Reading _{min-max} l/h	€	
FER120	Solvent cement 20 mm	30 300	92,40	
FER121	Solvent cement 20 mm	50 500	92,40	
FER2003	Solvent cement 32 mm	25 250	89,00	
FER2000	Solvent cement 32 mm	40 400	94,80	
FER2007	Solvent cement 32 mm	200 1.200	106,80	

FERTILIZER COUNTER WITH PULSE OUTPUTS

Code	Description	€	
FVR504	Counter mod. KD ¾" pulse outputs 0,1 lt/pulse	225,20	
FVR505	Counter mod. SF ¾" pulse outputs 0,1 lt/pulse	239,00	
FVR506	Counter mod. SF ¾" pulse outputs 1 lt/pulse	239,00	

Code	Description	Conf.	€	
ATR003	Ec 1413 solution ms 500ml - hi7031l	5	40,20	
ATR004	Ec 5000 solution µs 230ml - hi7039m	10	34,90	
ATR018	Ph 1.4 solution Sachets 25 x 20 ml - hi7031p	100	3,20	
ATR016	Ph 4.01 solution Sachet 20 ml - hi70004p	150	3,20	
ATR017	Ph 7.01 solution Sachet 20 ml - hi70007p	150	3,20	
ATR006	Ph 4.01 solution 500 ml - hi7004l	23	40,20	
ATR007	Ph solution 7.01 500 ml - hi7007l	24	40,20	

COMPONENTS FOR AUTONOMOUS SOLAR ENERGY KIT

COMPONENTS FOR AUTONOMOUS SOLAR ENERGY KIT		
Description	€	
Rigid solar panels 5 ÷ 185 W	REQ.	
Inverter 150 ÷ 300 W	REQ.	
Batteries 7 ÷ 200 Ah	REQ.	
Charge controller	REQ.	
Products available on request		

Climate and Soil Humidity Instruments >

TENSIOMETER WITH CERAMIC POROUS TIPS*

Code	Description	Rod cm	€	
OSN150	Tensiometer	30	282,00	
OSN151	Tensiometer	45	292,00	
OSN152	Tensiometer	60	303,00	

*While stocks last

DIGITAL READING WATERMARK TENSIOMETER*

Code	Description	€	
FER603	Humidity probe for digital player	Vedi pag. 103	
OPG1001	Digital player	739,80	
OPG1003	Probes data visualizer and recorder with historical data	1.714,40	

*While stocks last





VALVES

MINI VALVES	112
MANUAL VALVES	113
NON-RETURN VALVES	114
END-OF-LINE VALVES	115
AIR VENT VALVES	115
HANSEN VALVES	116
HANSEN FLOAT VALVES	117
PRETENSIONED PRESSURE REDUCER	119
100 SERIES WATER VALVE	120
200 SERIES WATER VALVE	124
400 SERIES WATER VALVE	126
350 SERIES WATER VALVE	128
650 SERIES WATER VALVE	129
303 SERIES WATER VALVE	129
600 SERIES WATER VALVE	130
WATER METERS	131

Mini Valves >

MINI VALVES FOR PEBD HOSE, DRIPLINE AND THREADED FITTINGS

Code	Ø	Description	Box	€/each	
FRS085	¾" x 16	Male threaded valve for hose adaptor ¾"	1 - 50	1,01	
FRS115	¾" x 20	Male threaded valve for hose adaptor ¾"	1 - 50	1,01	
FRS086	½" x 16	Male threaded valve for hose adaptor with backnut	1 - 50	1,51	
FRS087	¾" x 16	Male threaded valve for hose adaptor with backnut	1 - 50	1,51	
FRS088	½" x 20	Male threaded valve for hose adaptor with backnut	1 - 50	1,56	
FRS089	¾" x 20	Male threaded valve for hose adaptor with backnut	1 - 50	1,56	
FRS008	16 x 16	Hose adaptor valve for hose adaptor	1 - 50	1,01	
FRS009	20 x 20	Hose adaptor valve for hose adaptor	1 - 50	1,01	
FRS080	16 x 16	Hose adaptor for hose adaptor with backnut	1 - 50	1,71	
FRS081	20 x 20	Hose adaptor for hose adaptor with backnut	1 - 50	1,81	
FRS017	¾" x 16	Female threaded ¾" F for hose adaptor	1 - 50	1,21	
FRS018	¾" x 20	Female threaded ¾" F for hose adaptor	1 - 50	1,21	
FRS015	¾" x ¾"	F/F threaded valve	1 - 50	1,41	
FRS016	¾" x ¾"	M/F threaded valve	1 - 50	1,26	

MINIVALVES FOR TAPE

Code	Ø	Description	Box	€/each	
FRS020	¾" x 16	¾" female threaded valve x tape	1 - 50	1,27	
FRS098	¾" x 22	¾" female threaded valve x tape	1 - 50	1,45	
FRS095	¾" x 16	¾" male threaded valve x tape	1 - 50	1,06	
FRS099	¾" x 22	¾" male threaded valve x tape	1 - 50	1,21	
FRS090	16	Minivalve PVC for tape with rubber accessorie D2	1 - 50	1,36	
FRS094	16	Minivalve PVC for tape with rubber accessorie D3	1 - 50	1,36	
FRS096	16	Minivalve PE for tape Ø 16 with rubber	1 - 50	1,11	
FRS102	22	Minivalve PE for tape Ø 22 with rubber	1 - 50	1,41	
FRS100	16	Tape derivation valve with Layflat pipe screw	1 - 50	1,52	
FRS101	22	Tape derivation valve with Layflat pipe screw	1 - 50	1,63	
FRS091	16	Tape valve x tape	1 - 50	1,36	
FRS092	22	Tape valve x tape	1 - 50	1,36	

MINIVALVES WITH RING FOR T-SAL

Code	Ø	Description	Box	€/each	
FRS006	¾" x 16	¾" female valves x T-SAL	1 - 50	1,41	
FRS007	¾" x 22	¾" female valves x T-SAL	1 - 50	1,61	
FRS024	¾" x 16	¾" male valves x T-SAL	1 - 50	1,06	
FRS005	¾" x 22	¾" male valves x T-SAL	1 - 50	1,27	
FRS025	16	Valve from T-SAL with floating ring to PE pipe	1 - 50	1,11	
FRS027	22	Valve from T-SAL with floating ring to PE pipe	1 - 50	1,33	
FRS108	16	T-SAL valve x layflat	1 - 50	1,45	
FRS109	22	T-SAL valve x layflat	1 - 50	1,71	
FRS112	16	T-SAL valve	1 - 50	1,36	
FRS113	22	T-SAL valve	1 - 50	1,43	

Note: ring colour shown here is purely indicative





PVC BLACK BALL VALVES, BACKNUT

F/F					M/F				
									
Ø	Code	PN	B.	€/each	Ø	Code	PN	B.	€/each
¾"	FVIA007	10	140	2,65	¾"	FVIA020	10	140	2,65
1"	FVIA008	10	100	3,11	1"	FVIA021	10	100	3,11
1"¼	FVIA009	10	60	5,87	1"¼	FVIA022	10	60	5,87
1"½	FVIA010	10	40	9,89	1"½	FVIA023	10	40	9,89
2"	FVIA011	10	24	14,15	2"	FVIA024	10	24	14,15
2"½	FVIA012	10	12	31,74	2"½	FVIA025	10	12	31,74
3"	FVIA013	10	10	45,43	3"	FVIA026	10	10	45,43
4"	FVIA014	10	6	86,02	4"	FVIA027	10	6	86,02

PVC-U BALL VALVES, BACKNUT

F/F				M/F			
							
Ø	Code	PN	€	Ø	Code	PN	€
½"	FVC150	16	13,10	½"	FVC159	16	13,20
¾"	FVC151	16	11,60	¾"	FVC160	16	13,20
1"	FVC152	16	14,40	1"	FVC161	16	14,90
1"¼	FVC153	16	18,90	1"¼	FVC162	16	19,80
1"½	FVC154	16	24,80	1"½	FVC163	16	27,30
2"	FVC155	16	31,00	2"	FVC164	16	33,60
2"½	FVC156	10	84,20				
3"	FVC157	10	84,20				
4"	FVC158	10	136,90				

PVC-U BALL VALVES BI-BACKNUT

F thread				Solvent cement			
							
Ø	Code	PN	€	Ø	Code	PN	€
½"	FVC230	16	13,50	20	FVC240	16	15,60
¾"	FVC231	16	17,50	25	FVC241	16	14,60
1"	FVC232	16	19,60	32	FVC242	16	23,60
1"¼	FVC233	16	32,00	40	FVC243	16	24,00
1"½	FVC234	16	27,70	50	FVC244	16	27,30
2"	FVC235	16	37,00	63	FVC245	16	41,50
2"½	FVC236	10	99,40	75	FVC246	10	190,60
3"	FVC237	10	115,10	90	FVC247	10	249,40
4"	FVC238	10	157,50	110	FVC248	10	327,90



PLASSON BALL VALVES

F/F				M/F			
							
Ø	Code	PN	€	Ø	Code	PN	€
½"	FVI027	16	12,94	½"	FVI031	16	11,88
¾"	FVI011	16	14,31	¾"	FVI018	16	14,31
1"	FVI025	16	15,90	1"	FVI010	16	15,90
1"¼	FVI032	16	22,58	1"¼	FVI043	16	22,16
1"½	FVI028	16	29,26	1"½	FVI044	16	28,52
2"	FVI026	16	48,87	2"	FVI040	16	48,76
2"½	FVI029	10	107,49				
3"	FVI024	10	122,33				
4"	FVI047	10	211,58				

PVC BUTTERFLY VALVE

			
Ø	Code	PN	€
75 - DN65	FVF096	10	208,30
90 - DN80	FVF097	10	234,30
110 - DN100	FVF098	10	219,70
125 - 140 - DN125	FVF099	10	293,40
160 - DN150	FVF100	10	356,80
200 - 225 - DN200	FVF101	10	565,90



Valves > Non-Return Clapet

PVC SWING CHECK VALVE						SWING CHECK VALVE						KNOCKER TEE CEMENTED					NON-RETURN PVC VALVES EPDM SEAL					
																						
Ø	DN	Code	PN	Box	€/each	Ø	DN	Code	PN	Box	€/each	Ø	Code	PN	Box	€/each	Threaded F			Gluing		
75	65	FVC010	10	1	54,30	63	50	FVC015	10	15	89,20	32	FVC020	10	80	20,87	Code	Ø	€	Code	Ø	€
90	80	FVC011	10	1	65,60	125	125	FVC016	10	5	163,00	40	FVC021	10	40	25,72	FVI634	½"	18,80	FVI585	20	22,10
110	100	FVC012	10	1	77,10	200	200	FVC017	6	4	235,00	50	FVC022	10	20	32,46	FVI502	¾"	22,50	FVI586	25	26,50
140	125	FVC013	10	1	132,70	225	200	FVC018	6	3	267,00	63	FVC023	10	20	40,18	FVI503	1"	30,70	FVI596	32	28,40
160	150	FVC014	6	1	146,20												FVI504	1¼"	35,60	FVI594	40	33,50
																	FVI505	1½"	50,90	FVI595	50	48,60
																	FVI506	2"	52,20	FVI597	63	64,30
																	FVI507	2½"	162,00	FVI598	75	151,50
																	FVI508	3"	208,70	FVI599	90	195,60
																	FVI509	4"	272,50	FVI600	110	304,40

Valves > Metal

TOTAL PASSAGE GALVANIZED F/F BALL VALVES					TOTAL PASSAGE GALVANIZED M/F BALL VALVES					LIGHT SERIES BRASS GATE VALVES					HEAVY SERIES BRASS GATE VALVES				
																			
Ø	Code	PN	B.	€/each	Ø	Code	PN	B.	€/each	Ø	Code	PN	B.	€/each	Ø	Code	PN	B.	€/each
½"	FSF100	50	12	11,31	½"	FSF120	50	12	11,98	½"	FSV020	10	20	10,07	½"	FSV001	20	20	11,14
¾"	FSF101	40	8	16,79	¾"	FSF121	40	8	17,63	¾"	FSV021	10	20	11,14	¾"	FSV002	20	20	16,47
1"	FSF102	40	8	24,61	1"	FSF122	40	8	26,00	1"	FSV022	10	10	17,14	1"	FSV003	20	10	22,69
1¼"	FSF103	30	4	38,82	1¼"	FSF125	30	4	43,11	1¼"	FSV023	10	10	23,57	1¼"	FSV004	20	10	32,08
1½"	FSF104	30	2	57,40	1½"	FSF123	30	4	62,14	1½"	FSV024	10	5	30,60	1½"	FSV005	20	5	38,52
2"	FSF105	25	2	87,95	2"	FSF124	25	2	94,41	2"	FSV025	10	1	44,96	2"	FSV006	20	1	66,80
2½"	FSF108	18	1	164,03						2½"	FSV026	10	1	70,64	2½"	FSV007	16	1	96,17
3"	FSF106	16	1	258,18						3"	FSV027	10	1	96,32	3"	FSV008	16	1	123,75
4"	FSF107	14	1	422,51						4"	FSV028	10	1	142,40	4"	FSV010	16	1	197,93
										5"	FSV011	10	1	REQ.					
										6"	FSV013	10	1	REQ.					

SOFT SEATED GATE VALVE				BUTTERFLY VALVE WITH LEVER			
							
Ø	Code	PN	€	Ø	Code	PN	€
DN40	FSP038	16	253,30	DN40	FVF345	16	75,69
DN50	FSP039	16	291,70	DN50	FVF346	16	80,67
DN65	FSP040	16	351,10	DN65	FVF347	16	91,80
DN80	FSP041	16	403,50	DN80	FVF348	16	101,87
DN100	FSP042	16	469,90	DN100	FVF350	16	125,72
DN125	FSP044	16	731,90	DN125	FVF351	16	166,42
DN150	FSP053	16	814,00	DN150	FVF352	16	200,13
DN200	FSP046	16	1.371,10	DN200	FVF353	16	283,77
DN250	FSP047	16	2.103,00	DN250	FVF354	16	462,16
DN300	FSP011	10	2.915,20	DN300	FVF355	16	644,80

BALL VALVE WITH PIPE UNION				BALL VALVE WITH PIPE UNION WITH CHECK VALVE INTEGRATED			
							
Ø	Code	PN	€	Ø	Code	PN	€
½"	FSF128	30	20,70	1"	FSF135	30	155,08
¾"	FSF129	30	32,02	1¼"	FSF136	25	217,10
1"	FSF130	30	51,68	1½"	FSF137	25	311,47
1¼"	FSF132	25	82,44				
1½"	FSF133	25	162,90				
2"	FSF134	20	229,97				



>Iron Taps

EUROPA CHECK AND FOOT VALVE				EUROPA VALVE FILTER		
						
Ø	Code	PN	€	Ø	Code	€
½"	FVE001	40	14,47	½"	FFI001	3,23
¾"	FVE002	40	19,91	¾"	FFI002	3,55
1"	FVE003	40	31,45	1"	FFI003	4,00
1"¼"	FVE004	40	51,53	1"¼"	FFI004	4,94
1"½"	FVE005	40	72,56	1"½"	FFI005	6,17
2"	FVE006	40	108,86	2"	FFI006	8,04
2"½"	FVE007	40	215,59	2"½"	FFI007	15,59
3"	FVE008	40	360,20	3"	FFI011	19,43
4"	FVE009	40	467,13	4"	FFI012	28,93

Code	Description	Ø	€	
FRS001	Ball hose adaptor tap PN15	½"	12,32	
FRS002	Ball hose adaptor tap PN15	¾"	18,56	
FRS003	Ball hose adaptor tap PN10	1"	30,21	
FRS120	Ball hose adaptor tap with handhold PN10	½"x¾"	36,18	
FRS125	2 independent ways derivation PN10	¾"x¾"x¾"	51,79	

END LINE VALVES

Ø	Code	Description	Box	€/each	
½" M	FVI704	Rain bird air valve	1	8,61	
½" M	OAC033	Brass draining valve	2	13,50	

AIR VALVES

Ø	Code	Effect	Materials	P _{max} bar	€	
¾"	FVI321	Single	Reinforced polypropylene and polyamide (nylon)	6,9	9,30	
1"	FVI322	Single	Reinforced polypropylene and polyamide (nylon)	6,9	9,30	
¾"	FVI362	Double	Polyamide - EPDM seals - polystyrene foam float	16	21,40	
¾"	FVI354	Double low pressure (0,2 ÷ 1 bar)	Polyamide - EPDM seals - polystyrene foam float	16	20,40	
1"	FVI355	Double low pressure (0,2 ÷ 1 bar)	Polyamide - EPDM seals - polystyrene foam float	16	20,40	
1"	FVI363	Double	Polyamide - EPDM seals - polystyrene foam float	16	21,40	
1"	FVI395	Triple	Polyamide - EPDM seals - polystyrene foam float	16	42,00	
2"	FVI366	Double	Polyamide - EPDM seals - polystyrene foam float	16	46,90	
2"	FVI396	Triple	Polyamide - EPDM seals - polystyrene foam float	16	133,40	

BERMAD AIR VALVES

Ø	Code	Effect	Model	PN	€	
¾"	FVI404	Kinetic	IR-K10-P	10	44,12	
1"	FVI405	Kinetic	IR-K10-P	10	44,12	
2"	FVI406	Kinetic	IR-K10-P	10	56,37	
¾"	FVI390	Combined	IR-C10-P	10	103,30	
1"	FVI391	Combined	IR-C10-P	10	103,30	
2"	FVI392	Combined	IR-C10-P	10	160,52	
2"	FVI402	Combined	IR-C15-P	10	123,73	

Ø	Code	Effect	Model	PN	€	
¾"	FVI400	Combined	IR-C30-P	16	120,09	
1"	FVI399	Combined	IR-C30-P	16	120,09	
2"	FVI398	Combined	IR-C30-P	16	240,17	
DN50	FVI393	Combined	IR-C30-P	16	306,34	
DN80	FVI397	Combined	IR-C30-P	16	319,87	
2"	FVI401	Combined	IR-C35-P	16	188,71	





DESCRIPTION

Specifics

- Maximum operating pressure referred to 20° C

- Max working temperature 60° C

Materials

- UV resistant
- Body and handle: fiberglass reinforced nylon
- Ball: PP
- Seat: acetal resin (POM)
- Seals: nitril rubber
- Check and foot valve: stainless steel spring-diaphragm: nitril rubber

F/F TOTAL PASSAGE BALL VALVES				M/F TOTAL PASSAGE BALL VALVES				F/F NON RETURN VALVE				F FOOT VALVE			
															
ANTIFREEZE															
Ø	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€
½"	OHV001	16	39,41	1"	OHV022	16	46,57	1"	OHV010	10	59,17	1"	OHV015	16	59,17
¾"	OHV002	16	39,41	1¼"	OHV023	16	62,02	1¼"	OHV011	10	89,33	1¼"	OHV016	16	89,26
1"	OHV003	16	44,35	1½"	OHV024	16	77,48	1½"	OHV012	10	111,50	1½"	OHV017	16	111,50
1¼"	OHV004	16	59,05	2"	OHV025	16	92,94	2"	OHV013	10	162,56	2"	OHV018	16	162,56
1½"	OHV005	16	73,87					2½"	OHV014	10	334,17	2½"	OHV019	16	334,17
2"	OHV006	16	88,63												

Hansen > Level Alert



DESCRIPTION:

Application

- Tank level indicator that can be mounted on any type of tank
- Look at the water level in your tank at a glance

Specifics

- Prevents dry running of the pump
- Suitable for any type and/or size of tank
- Fully adjustable UniTri mounting base
- The UniTri holder will adapt to various angles of the tank lid (maximum angle of 35°)
- Suitable for plastic, concrete and steel tanks

Materials

- Made of UV resistant material, Nylon reinforced with fiberglass
- Stainless steel pipes (diameter 16 mm)
- Complete with all necessary stainless steel fixings
- 3 heavy duty stainless steel pipes (Ø 16 x 669 mm)
- 115 mm threaded yellow marker
- Blue float (155 x 230 mm) with long thread
- Optional stainless steel extension tubes available (669 mm)

Code	Description	€
SGL020	Level alert	466,05





DESCRIPTION

Application

- **Minifastflo:** small dimensions float - very flexible and easy to install - high deflow-rate and very silent
- **Fastflo:** float with brass arm for a customized application - easy to install, ensures high deflow-rates
- **Superflo:** either PE or acetal or brass body and arm - specific for clean and dirty waters - suit for any application of level control
- **Maxflo:** fiberglass reinforced nylon body float with high flow-rate performances - anti-dirt internal system locking

Specifics

- Working pressure: 0 ÷ 12 bar
- Maximum operating pressure referred to 20° C
- Max working temperature 60° C

Materials

- UV resistant
- Acetal resin
- Fiberglass reinforced nylon
- Stainless steel and brass
- TPU (Thermoplastic Polyurethane Elastomer) seals
- Polyester cable-PeAD float

Model	Threaded input	Input adapter	Pressure bar		Q _{nom} l/m		Version		
	inches	inches	min	max	2 bar	5 bar	arm	body	ball
Minifastflo	1"	1" x 1/2"	0	12	9				
Minifastflo	1"	1" x 3/4"	0	12	9				
Minifastflo	1"	1" x 1"	0	12	9				
Fastflo	1"	1" x 1/2"	0	12	34	56	long/short		
Fastflo	1"	1" x 3/4"	0	12	34	56	long/short		
Fastflo	1"	1" x 1"	0	12	34	56	long/short		
Superflo	1"	1" x 3/4"	0	12	188	285	long/short	acetal resin/brass	Ø 115/Ø 140
Superflo	1"	1" x 1"	0	12	188	285	long/short	acetal resin/brass	Ø 115/Ø 140
Maxflo	1"	1" x 3/4"	0	12	570	870			
Maxflo	1"	1" x 1 1/4"	0	12	570	870			

MINIFASTFLO			FASTFLO			SUPERFLO			MAXFLO		
											
F threaded fitting	Code	€	Code	Male-male adapter Ø	€	F threaded fitting	Code	€	F threaded fitting	Code	€
½"	SGL021	51,50	SGL050	1" x ½" Short	43,24	½"-¾" Short Nylon	SGL005*	50,77	¾" x 1" x 1"¼"	SGL003	96,07
¾"	SGL022	51,50	SGL051	1" x ¾" Short	43,24	¾"-1" Short Nylon	SGL015	53,63	1" x ¾" Long	SGL011	124,82
1"	SGL023	51,50	SGL052	1" x 1" Short	43,24	¾"-1" Nylon	SGL001	51,69	1"¼ x 1" Long	SGL012	120,03
			SGL053	1" x ½" Long	47,26	¾"-1" - Long Nylon	SGL008	61,04			
			SGL054	1" x ¾" Long	47,26	1"-¾" Short Ottone	SGL016	118,86			
			SGL055	1" x 1" Long	47,26	¾"-1" Ottone	SGL006	122,45			
Price includes arm, threaded fitting and adapter Floating sphere not included						½"-¾" Long Ottone	SGL010	131,42			
						*While stocks last Floating sphere not included					



DESCRIPTION

Application

- **Leveller:** dual intervention float, min and max level - supply high flow-rate - excellent fillings control by pumps
- **Rapidflo:** limited double intervention flow (50/100 cm) - supply high flow-rate
- Rapidflo is the perfect choice for storage systems that combine rain collection with additional pumping from alternative sources
- The pump should only run when the rain level is low and the tank needs partial filling from the alternative source

Features

- Floats with double intervention hole for tanks and large volume basins
- Low sensitivity to impurity and dirty water
- Soft driving to handle water hammers

Specifics

- Working pressure: 0,2 ÷ 12 bar
- Maximum operating pressure referred to 20° C
- Max working temperature 60° C
- UV resistant

Materials

- Acetal resin
- Fiberglass reinforced nylon
- Stainless steel and brass
- TPU seals
- Polyester cables - PeAD float

Model	Threaded input	Input adapter	Pressure		Q _{nom}	
	inches	inches	Min	Max	2 bar	5 bar
Leveller	1"	1" x 1"	0,2	12	570	850
Rapidflo	1"	1" x 1½"	0,2	12	570	570
Rapidflo	1"	1" x ¾"	0,2	12	570	570
Rapidflo	1"	1" x 1"	0,2	12	570	570

RAPID FLO			LEVELLER		
F thr. fitt.	Code	€	F thr. fitt.	Code	€
½"-¾"-1"	SGL060	347,94	1" - 1¼"	SGL004	307,03

> Hansen Levellers Accessories

MALE THREADED ADAPTERS					FASTFLO FLOAT			SUPERFLO FLOAT		
										
Ø	Code standard body	€	Code long body	€	Code	Description	€	Code	Description	€
1" x ½"	SGLA001	5,76	SGLA007	13,13	SGL017	Blue threaded ball x SUPERFLO/FASTFLO 115 mm	14,60	SGL002	Blue threaded ball for stainless pin Ø 140 mm	12,83
1" x ¾"	SGLA002	5,76	SGLA008	13,13				SGL013	Yellow threaded ball for stainless pin Ø 140 mm	15,15
1" x 1"	SGLA003	5,76	SGLA009	13,13						
1" x 1¼"	SGLA004	5,76	SGLA010	16,72						
1" x 1½"	SGLA005	15,70								
1" x 2"	SGLA006	15,70								
All levellers are equipped with male threaded adapters										

> Pre-calibrated Pressure Reducers



> Adjustable Pressure Reducers



DESCRIPTION

Application

- Suitable for drip irrigation systems and sprinkling systems

Features

- Low weight losses (0,34 bar)
- PRLV and PRXFLV models allow to keep 1,03 bar pressure downstream in static conditions as well (no flow)

Code	Mod.	In/out couplings	Flow-rate l/h		Precalibrated bar	€	
			Min	Max			
FRP231	PRLG	¾" F	114	1.590	1,03	18,41	
FRP234	PRLG	¾" F	114	1.590	2,07	18,41	
FRP236	PRLG	¾" F	114	1.590	2,76	18,41	
FRP249	PSR-2	¾" F	114	3.407	1,03	18,87	
FRP252	PSR-2	¾" F	114	3.407	2,07	18,87	
FRP255	PSR-2	¾" F	114	3.407	3,45	18,87	
FRP259	PMR MF	¾" F	454	4.543	1,03	29,89	
FRP262	PMR MF	¾" F	454	4.543	2,07	29,89	
FRP265	PMR MF	¾" F	454	4.543	3,45	29,89	
FRP270	PMR MF	1" F	454	4.543	1,03	29,89	
FRP273	PMR MF	1" F	454	4.543	2,07	29,89	
FRP276	PMR MF	1" F	454	4.543	3,45	29,89	
FRP286	PR HF	1"¼ F	2.271	7.268	1,03	62,78	
FRP289	PR HF	1"¼ F	2.271	7.268	2,07	62,78	
FRP291	PR HF	1"¼ F	2.271	7.268	3,45	62,78	
FRP293	PRU	2" F	4.543	22.713	1,03	264,95	
FRP296	PRU	2" F	4.543	22.713	2,07	264,95	
FRP298	PRU	2" F	4.543	22.713	3,45	264,95	

DESCRIPTION

Application

- Suitable for drip irrigation systems and sprinkling systems

Features

- Dynamic pressure regulator
- Minimal pressure drops during operation
- Adjustable outlet pressure
- Maintainable

Code	Ø	Bar	Q m³/h	€	
FRP201	¾"	0,8 ÷ 2,5	0,20 ÷ 5	36,08	
FRP202	¾"	2 ÷ 4	0,20 ÷ 5	36,08	
FRP209	1"	1 ÷ 2	0,45 ÷ 7	91,99	
FRP210	1"	1,5 ÷ 3,5	0,45 ÷ 7	91,99	
FRP221	1" ½	1 ÷ 2	0,45 ÷ 18	229,05	
FRP222	1" ½	1,5 ÷ 3,5	0,45 ÷ 18	229,05	



Hydrovalves > 100 Series



DESCRIPTION

Application

- Fluid regulation and control in irrigation systems, civil and industrial

Specifics

- Compatible with Greenapp system
- Hydraulic drive valves with network pressure
- Hydraulically controlled open/close
- Plastic body valve for industrial applications
- Long term duration, cavitation and chemical products
- resistant
- "Y" body valve with "free flow" design
- Ultra-high flow-rate
- Low load losses
- Maximum pressure 10 bar

Features

- An ultra flexible diaphragm and a controlled closure ensure a total passage giving a precise and steady regulation
- An extremely high flow-rate is assured
- The unique high flow body design, allows different kinds of use, and different connection possible
- Body and special flanges allow to isolate the valve from vibration stress
- Mechanical closure supplied as standard
- Manual selector 3 positions included

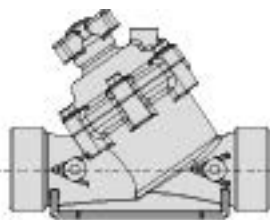
Materials

- Body, cap and shutter: black polyamide (nylon) - 6 30GF
- Diaphragm: NR
- Seals: NR
- Spring: stainless steel
- Cap bolts: stainless steel

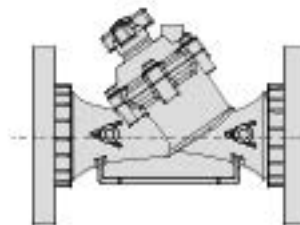
KV FLOW-RATE FEATURE (M³/H AT 1 BAR LOAD LOSS)

Dimension	DN	40	50	50	50L	65	80	80	80L	80L	100	100	100L	150R	150
	Inches	1"½	2"	2"	2"L	2"½	3"	3"	3"L	3"L	4"	4"	4"L	6"R	6"
Body		Y	Y	A	Y	Y	Y	A	Y	A	Y	A	Y	Y	Y
Kv		50	50	50	100	100	100	85	200	190	200	190	340	340	400

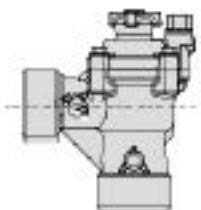
Available models



Threaded Y in line
1"½ ÷ 4"



Flanged Y in line
DN50 ÷ 150



Angle threaded
2" ÷ 3"

MECHANICAL CLOSING									HYDRAULIC RELÈ								
																	
In line Y threaded			In line Y flanged			Angle, threaded			In line Y threaded			In line Y flanged			Angle, threaded		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
1"½	FERB003	139,05	DN80	FERB011	253,38	3"	FERB009	177,16	1"½	FERB691	211,03	DN80	FERB700	325,64	3"	FERB697	248,52
2"	FERB004	143,17	DN80L	FERB012	381,10	3"L	FERB010	304,88	2"	FERB692	215,31	DN80L	FERB715	454,19	3"L	FERB698	377,06
2"L	FERB005	153,47	DN100	FERB013	403,76				2"L	FERB693	224,95	DN100	FERB716	475,61			
2"½	FERB006	167,89	DN100-L	FERB016	655,08				2"½	FERB694	239,95	DN100-L	FERB717	768,05			
3"	FERB007	177,16	DN150-R	FERB015	761,17				3"	FERB695	248,52	DN150	FERB718	1.266,16			
3"T	FERB600	176,13	DN150	FERB014	1.195,83				3"L	FERB696	377,06						
3"L	FERB008	304,88															

ELECTRIC CONTROL 24V AC																	
																	
In line Y threaded			In line Y flanged			Angle, threaded			In line Y threaded			In line Y flanged			Angle, threaded		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
24V AC (3-way solenoid)									24V AC (2-way solenoid)								
1"½	FERB031	186,43	DN80	FERB039	300,76	3"	FERB037	223,88	2"L	FERB027	169,25	DN80	FERB030	265,66	3"	FERB217	188,53
2"	FERB032	191,58	DN80L	FERB040	430,62	3"L	FERB038	353,50	2"½	FERB028	183,18						
2"L	FERB033	202,91	DN100	FERB041	450,98				3"	FERB029	188,53						
2"½	FERB034	216,30	DN100-L	FERB620	778,76				3"T	FERB603	188,53						
3"	FERB035	223,51	DN150-R	FERB621	924,45												
3"T	FERB604	268,83	DN150	FERB042	1.242,59												
3"L	FERB036	353,29															

ELECTRIC CONTROL 12V DC																	
																	
In line Y threaded			In line Y flanged			Angle, threaded			In line Y threaded			In line Y flanged			Angle, threaded		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
12V DC Latch (3-way solenoid)									12V DC Latch (2-way solenoid)								
1"½	FERB049	206,74	DN80	FERB057	321,36	3"	FERB055	244,23	2"L	FERB045	193,89	DN80	FERB048	289,22	3"	FERB616	212,10
2"	FERB050	212,10	DN80L	FERB058	449,90	3"L	FERB056	372,78	2"½	FERB046	205,67						
2"L	FERB051	221,74	DN100	FERB059	471,33				3"	FERB047	212,10						
2"½	FERB052	236,74	DN100-L	FERB622	800,19				3"T	FERB605	212,10						
3"	FERB053	244,23	DN150-R	FERB623	944,80												
3"T	FERB606	244,23	DN150	FERB060	1.262,94												
3"L	FERB054	372,78															

Hydrovalves > 100 Series



2-WAY PRESSURE REDUCTION



In line Y threaded			In line Y flanged			Angle, threaded		
Ø	Code	€	Ø	Code	€	Ø	Code	€
2-way pilot + 24 V solenoid								
1"½	FERB109	366,35	DN80	FERB117	475,61	3"	FERB115	398,49
2"	FERB110	372,78	DN80L	FERB118	578,45	3"L	FERB116	578,45
2"L	FERB111	378,13	DN100	FERB119	600,94			
2"½	FERB112	393,13	DN100-L	FERB630	896,59			
3"	FERB113	398,49	DN150-R	FERB631	1.041,21			
3"T	FERB611	398,49	DN150	FERB120	1.498,61			
3"L	FERB114	501,32						

3-WAY PRESSURE REDUCTION



In line Y threaded			In line Y flanged			Angle, threaded			In line Y threaded			In line Y flanged			Angle, threaded		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
3-way pilot									3-way pilot + hydraulic relay								
1"½	FERB073	317,08	DN80	FERB081	426,34	3"	FERB079	349,21	1"½	FERB097	387,77	DN80	FERB105	498,11	3"	FERB103	420,98
2"	FERB074	324,57	DN80L	FERB082	529,17	3"L	FERB080	452,05	2"	FERB098	395,27	DN80L	FERB106	599,87	3"L	FERB104	524,89
2"L	FERB075	329,93	DN100	FERB083	552,74				2"L	FERB099	400,63	DN100	FERB107	623,44			
2"½	FERB076	343,86	DN100-L	FERB626	849,46				2"½	FERB100	415,63	DN100-L	FERB628	920,16			
3"	FERB077	349,21	DN150-R	FERB627	993,00				3"	FERB101	420,98	DN150-R	FERB629	1.063,70			
3"T	FERB608	349,21	DN150	FERB084	1.450,40				3"T	FERB609	420,98	DN150	FERB108	1.517,89			
3"L	FERB078	452,05							3"L	FERB102	524,89						

3-way pilot + 24 V solenoid									3-way pilot + 12 V DC latch solenoid								
1"½	FERB121	366,35	DN80	FERB129	475,61	3"	FERB127	397,42	1"½	FERB133	367,42	DN80	FERB141	476,68	3"	FERB139	399,56
2"	FERB122	371,71	DN80L	FERB130	577,38	3"L	FERB128	500,25	2"	FERB134	372,78	DN80L	FERB142	558,10	3"L	FERB140	480,97
2"L	FERB123	377,06	DN100	FERB131	599,87				2"L	FERB135	378,13	DN100	FERB143	579,52			
2"½	FERB124	392,06	DN100-L	FERB632	896,59				2"½	FERB136	393,13	DN100-L	FERB634	876,24			
3"	FERB125	397,42	DN150-R	FERB633	1.042,28				3"	FERB137	399,56	DN150-R	FERB635	980,15			
3"T	FERB612	380,28	DN150	FERB132	1.498,61				3"T	FERB618	399,56	DN150	FERB144	1.436,48			
3"L	FERB126	500,25							3"L	FERB138	480,97						

TOP



3-way integral pilot

1"½	FERB280	269,94	DN80	FERB286	366,35	3"	FERB287	299,94
2"	FERB281	273,16						
2"L	FERB282	280,65						
2"½	FERB283	291,37						
3"	FERB284*	297,79						
3"	FERB285	299,94						

*Senza chiusura manuale



PRESSURE SUSTAIN



In line Y threaded			In line Y flanged			Angle, threaded			In line Y threaded			In line Y flanged			Angle, threaded		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
3-way pilot									3-way pilot + 24 V solenoid								
1"½	FERB157	317,08	DN80	FERB165	426,34	3"	FERB163	349,21	1"½	FERB169	366,35	DN80	FERB177	475,61	3"	FERB175	397,42
2"	FERB158	324,57	DN80L	FERB166	529,17	3"L	FERB164	452,05	2"	FERB170	371,71	DN80L	FERB178	577,38	3"L	FERB176	500,25
2"L	FERB159	329,93	DN100	FERB167	552,74				2"L	FERB171	377,06	DN100	FERB179	599,87			
2"½	FERB160	343,86	DN100-L	FERB638	849,46				2"½	FERB172	392,06	DN100-L	FERB640	896,59			
3"	FERB161	349,21	DN150-R	FERB639	993,00				3"	FERB173	397,42	DN150-R	FERB641	993,00			
3"T	FERB614	349,21	DN150	FERB168	1.450,40				3"T	FERB615	398,49	DN150	FERB180	1.498,61			
3"L	FERB162	452,05							3"L	FERB174	500,25						

REDUCTION + PRESSURE SUSTAIN



RAPID PRESSURE RELEASE



In line Y threaded			In line Y flanged			Angle, threaded			In line Y threaded			In line Y flanged			Angle, threaded		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
3-way pilot + 3-way pilot									2-way pilot								
1"½	FERB145	425,27	DN80	FERB153	535,60	3"	FERB151	458,47	1"½	FERB181	317,08	DN80	FERB189	426,34	3"	FERB187	349,21
2"	FERB146	430,62	DN80L	FERB154	614,87	3"L	FERB152	537,74	2"	FERB182	324,57	DN80L	FERB190	529,17	3"L	FERB188	452,05
2"L	FERB147	435,98	DN100	FERB155	637,36				2"L	FERB183	329,93	DN100	FERB191	552,74			
2"½	FERB148	456,33	DN100-L	FERB636	929,80				2"½	FERB184	343,86	DN100-L	FERB642	809,83			
3"	FERB149	458,47	DN150-R	FERB637	1.032,64				3"	FERB185	349,21	DN150-R	FERB643	912,66			
3"T	FERB613	458,47	DN150	FERB156	1.488,97				3"L	FERB186	452,05	DN150	FERB192	1.450,40			
3"L	FERB150	537,74															

MODULATING LEVEL CONTROL



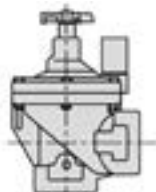
In line Y threaded			In line Y flanged			Angle, threaded		
Ø	Code	€	Ø	Code	€	Ø	Code	€
2-way pilot								
1"½	FERB193	271,01	DN80	FERB201	428,48	3"	FERB199	351,35
2"	FERB194	279,58	DN80L	FERB202	554,88	3"L	FERB200	477,76
2"L	FERB195	284,94	DN100	FERB203	575,23			
2"½	FERB196	296,72	DN150	FERB204	1.367,92			
3"	FERB197	304,22						
3"L	FERB198	399,56						

Hydrovalves > 200 Series



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DESCRIPTION

Application

- Regulation and control of fluids in irrigation systems

Specifics

- Hydraulic drive valve by network pressure
- Hydraulically controlled on/off
- Plastic body valve for low pressure irrigation
- Long-term duration, cavitations and chemical products
- resistant
- Outflow high efficiency body valve
- Low load loss
- Maximum pressure 10 bar

Features

- An ultra flexible diaphragm and a controlled closure ensure a total passage allowing a precise and steady adjustment
- An extremely high flow-rate is always ensured
- Angle or in line body design assures a hydraulic path free from cloggings and high hydrodynamic efficiency
- Flow control 3/4" and 1" on request
- Flow control 1 1/2" and 2" standard

Materials

- Body, cap and shutter: 630GF black polyamide (nylon)
- Diaphragm: NBR
- Seals: NBR
- Spring: stainless steel
- Cap bolts: stainless steel

KV FLOW-RATE FEATURE (M³/H AT 1 BAR LOAD LOSS)

Dimension	DN	12	20	25	40	40	50	50
	Inches	1/2"	3/4"	1"	1 1/2"	1 1/2"	2"	2"
Body		G	G	G	G	A	G	A
Kv		4	9	9	37	41	47	52

BODY BASE

In line Y threaded			Angle, threaded		
Ø	Code	€	Ø	Code	€
1"	OVB241	35,35	1 1/2"	OVB244	86,77
1 1/2"	OVB242	86,77	2"	OVB245	100,69
2"	OVB243	100,69			

ELECTRIC CONTROL

In line Y threaded			Angle, threaded			In line Y threaded			Angle, threaded		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
12 V DC latch solenoid						24 V solenoid					
3/4"*	OVB212	71,77	1 1/2"	OVB216	129,62	3/4"*	OVB202	52,49	1 1/2"	OVB206	104,98
1"*	OVB213	71,77	2"	OVB217	142,47	1"*	OVB203	52,49	2"	OVB207	119,97
1 1/2"	OVB214	129,62				1 1/2"	OVB204	104,98			
2"	OVB215	142,47				2"	OVB205	119,97			

* Available on request with throttling

GREENUP

In line Y threaded			Angle, threaded		
Ø	Code	€	Ø	Code	€
Integrated controller 9 V					
3/4"*	OVB040	243,16	1 1/2"	OVB043	248,52
1"*	OVB041	243,16	2"	OVB045	253,87
1 1/2"	OVB042	248,52			
2"	OVB044	253,87			

* Available on request with throttling



ELECTRICAL CONTROL WITHOUT TROTTLING					
					
In line Y threaded			In line Y threaded		
Ø	Code	€	Ø	Code	€
12 V DC latch solenoid			24 V solenoid		
¾"	OVB210	71,77	¾"	OVB200	52,49
1"	OVB211	71,77	1"	OVB201	52,49

PRESSURE REDUCTION											
											
In line Y threaded			Angle, threaded			In line Y threaded			In line Y threaded		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
3-way pilot						3-way pilot + solenoid					
						24 V AC			12 V DC Latch		
1"½	OVB220	217,45	1"½	OVB222	217,45	1"½	OVB226	260,30	1"½	OVB230	263,52
2"	OVB221	251,73	2"	OVB223	251,73	2"	OVB227	296,72	2"	OVB231	299,94

TOP								
			 					
In line Y threaded								
Ø	Code	€	Ø	Code	€	Ø	Code	€
3-way integral pilot								
Reduction			Red. + sol 24 V			Red. + sol 9 V		
1"½	OVB400	197,10	1"½	OVB402	234,59	1"½	OVB404	260,30
2"	OVB401	226,02	2"	OVB403	267,80	2"	OVB405	293,51

Hydrovalves > 400 Series



DESCRIPTION

Application

- Regulation and control of fluids in irrigation systems for consortium and aqueducts

Specifics

- Hydraulic driving valve by network pressure
- Hydraulically controlled on/off
- Operating pressure: 0.5 ÷ 16 bar
- Water temperature up to 60°C
- Low pressure irrigation
- Long-term duration, chemical products resistant
- Low load losses

Features

- A balanced membrane ensure a total passage allowing a precise and steady adjustment
- In line body design assures a hydraulic path free from cloggings

Materials

- Body, cap and shutter: EN 1561 cast iron
- Diaphragm: NBR
- Spring: stainless steel
- Cap bolts: stainless steel
- Paint: polyester-green colour



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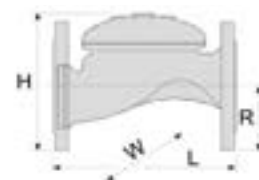
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KV FLOW-RATE FEATURE (M³/H AT 1 BAR LOAD LOSS)

Dimension	DN	25	40	50	50	65	65	80	80	100	100	150	200
	Inches	1	1½	2	2	2½	2½	3	3	4	4	6	8
Body		G	G	G	A	G	A	G	A	G	A	G	G
Kv		13	57	57	71	78	88	136	152	204	225	448	781

DIMENSIONS AND WEIGHT

Flanged					
Dimensions (mm)	DN	80	100	150	200
	Inches	3"	4"	6"	8"
L		250	320	415	500
H		210	242	345	430
W		200	223	306	365
R		100	112	140	170
Weight (Kg)		19	28	68	125



Threaded					
Dimensions (mm)	DN	40	50	65	80
	Inches	1½"	2"	2½"	3"
L		153	180	210	255
H		87	114	132	165
W		98	119	129	170
R		29	39	45	55
Weight (Kg)		2	4	5,7	13



BODY BASE						HYDRAULIC CONTROL					
											
In line threaded			In line flanged			In line threaded			In line flanged		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
						3-way sagive					
1"½	FERB400	149,58	DN80	FERB407	399,60	1"½	FERB413	182,33	DN80	FERB420	431,26
2"	FERB401	161,59	DN100	FERB409	602,67	2"	FERB414	188,88	DN100	FERB422	629,97
2"½	FERB403	228,19	DN150	FERB411	1.277,41	2"½	FERB416	255,48	DN150	FERB424	1.309,07
3"	FERB405	370,12	DN200	FERB412	2.208,71	3"	FERB418	397,42			

ELECTRIC CONTROL											
											
In line threaded			In line flanged			In line threaded			In line flanged		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
24V AC 3-way solenoid						3-way 9V DC solenoid					
1"½	FERB425	188,88	DN80	FERB432	453,10	1"½	FERB440	209,63	DN80	FERB447	472,75
2"	FERB426	197,62	DN100	FERB434	657,26	2"	FERB441	218,36	DN100	FERB449	678,01
2"½	FERB428	269,67				2"½	FERB443	291,51			
3"	FERB430	423,62				3"	FERB445	445,45			

PRESSURE REDUCTION																	
																	
In line threaded			In line flanged			In line threaded			In line flanged			In line threaded			In line flanged		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
3-way pilot						3-Way Pilot + solenoid 24V						3-Way Pilot + Solenoid 12V DC					
1"½	FERB455	287,14	DN80	FERB462	541,53	1"½	FERB482	339,55	DN80	FERB489	589,57	1"½	FERB500	360,29	DN80	FERB507	610,32
2"	FERB456	299,15	DN100	FERB464	743,52	2"	FERB483	345,01	DN100	FERB491	792,65	2"	FERB501	365,75	DN100	FERB509	813,39
2"½	FERB458	374,49				2"½	FERB485	425,80				2"½	FERB503	446,55			
3"	FERB460	505,50				3"	FERB487	557,91				3"	FERB505	577,56			

REDUCTION + PRESSURE SUSTAIN						PRESSURE SUSTAIN						RAPID PRESSURE RELEASE					
																	
In line threaded			In line flanged			In line threaded			In line flanged			In line threaded			In line flanged		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
3-way pilot + 3-way pilot						3-way pilot						2-way pilot					
1"½	FERB515	433,44	DN80	FERB522	679,10	1"½	FERB545	287,14	DN80	FERB552	541,53	1"½	FERB530	361,39	DN80	FERB537	608,13
2"	FERB516	440,00	DN100	FERB524	885,45	2"	FERB546	299,15	DN100	FERB554	743,52	2"	FERB531	363,57	DN100	FERB539	772,99
3"	FERB520	646,35				2"½	FERB548	374,49				2"½	FERB533	426,89			
						3"	FERB550	505,50				3"	FERB535	569,92			

Hydrovalves > 350 Series Backwash



DESCRIPTION

Application

- 3 ways backwash valves

Specifics

- Hydraulic drive valve by network pressure
- Hydraulically controlled on/off
- Hydraulic piston controlled by double chamber actuator
- Polyamide body valve
- Low pressure irrigation
- Long-term duration, chemical products resistant
- Low load losses

Features

- Protected membrane cloggings
- Easy inspection and maintenance
- The valve body ensures a hydraulic path free from Tee structure for an easy installation

Materials

- Body: polyamide/metal
- Cap: acetal copolymer
- Diaphragm: nylon reinforced NBR
- Spring: stainless steel
- Axis: stainless steel
- Cap bolts: steel

KV FLOW-RATE FEATURE (M³/H AT 1 BAR LOAD LOSS)

		2"x2"- P	3"x3"- P	3"x2"- CC	4"x4"- P
	filtration 1-C	52	110	120	225
	washing C-2	48	100	60	205
	filtration 2-C	46	93	-	190
	washing C-1	60	122	-	250

AVAILABLE FITTINGS

Ø	Gate C	Gate 2	Gate 1	
2"x2"	threaded 2" Victaulic 2" (with adapters)	threaded 2" Victaulic 2" (with adapters)	threaded 2" Victaulic 2" (with adapters)	
3"x3" 3"x3"/2"	Victaulic 3"	Victaulic 3"	Victaulic 3" grooved 3" x Int. threaded 2"	
3"x3"/2"DC	Victaulic 3"	grooved 3" x Int. threaded BSP 2"	Victaulic 3"	
4"x4" 4"x4"/3"	Victaulic 4"	Victaulic 4"	Victaulic 4" grooved 4" x Int. threaded 3"	

BODY BASE				HYDRAULIC CONTROL				ELECTRIC CONTROL							
Ø	Mat.	Code	€	Ø	Mat.	Code	€	Ø	Mat.	Code	€	Ø	Mat.	Code	€
				3-way sagive				24V solenoid				9V DC Latch solenoid			
2" x 2"	plastic	FERB350	247,45	2" x 2"	plastic	FERB360	280,65	2" x 2"	plastic	FERB370	295,65	2" x 2"	plastic	FERB375	307,43
Victaulic 3"	plastic	FERB351	573,09	Victaulic 3"	plastic	FERB361	606,30	Victaulic 3"	plastic	FERB371	621,30	Victaulic 3"	plastic	FERB376	633,08
Victaulic 4"	plastic	FERB354	751,98	Victaulic 4"	plastic	FERB364	785,19	Victaulic 4"	plastic	FERB374	800,19	Victaulic 4"	plastic	FERB379	811,97
Victaulic 3" x 2"	metal	FERB353	REQ.	Victaulic 3" x 2"	metal	FERB363	REQ.	Victaulic 3" x 2"	metal	FERB373	REQ.	Victaulic 3" x 2"	metal	FERB378	REQ.



Hydrovalves > 650 Series Backwash



DESCRIPTION

Application

- Three-way valves for backwashing with manual control Sagiv

Specifics

- Hydraulically operated valve with line pressure
- Hydraulically controlled opening/closing
- Hydraulic piston controlled by double chamber actuator
- Valve with cast iron body
- For low pressure applications
- High durability, resistant to chemicals
- Low pressure drop

Features

- Protected diaphragm
- Easy inspection and maintenance
- Valve body ensures unobstructed hydraulic pathway
- T-shaped design for easy installation
- 16 bar model available on request

Materials

- Body and cover: cast iron
- Diaphragm: NBR reinforced nylon
- Spring: stainless steel
- Axis: stainless steel
- Cover bolts: steel

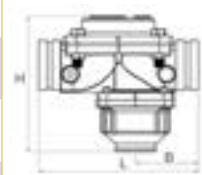
FLOW RATES and

Kv(m³/h at 1 bar pressure drop)

Description	3" x 2"	4" x 3"
Maximum flow rate filtration	90	160
Maximum backwash flow rate	40	90
Kv in filtration	130	160
Kv in backwash	58	70
Maximum pressure bar	10	10

DIMENSIONS (mm) and WEIGHT (Kg)

Model	H	B	L	Weight
Vict./thread 2" x 2"	190	90	180	3,80
Victaulic 3" x 2"	246	114	290	15,95
Victaulic 4" x 3"	246	128	317	17,25
Flanged 3" x 2"	246	114	290	22,45
Flanged 4" x 3"	246	128	317	25,00



BODY BASE



Ø	Att.	Code	€
2" x 2"	threaded	FERV382	337,41
3" x 2"	victaulic	FERV391	391,23
3" x 2"	flanged	FERV403	457,47
4" x 3"	victaulic	FERV392	494,73
4" x 3"	flanged	FERV404	577,53

Hydrovalves > 303 Series



DESCRIPTION

Application

- Regulation and control of fluids in irrigation systems

Specifics

- Hydraulic drive valve by network pressure
- Hydraulically controlled on/off
- Fiberglass reinforced nylon body valve
- Low pressure irrigation
- Long-term duration, chemical products resistant
- Low load losses

Features

- An ultra flexible diaphragm and a controlled closure ensure a total passage allowing a precise and steady adjustment
- Angle or in line body design assures a hydraulic path free from cloggings and high hydrodynamic efficiency

Materials

- Body, cap and shutter: fiberglass reinforced nylon
- Diaphragm: rubber
- Spring: stainless steel
- Cap bolts: stainless steel

ELECTRIC CONTROL



In line Y threaded			Angle, threaded			In line Y threaded			Angle, threaded		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
24 V AC with flow control						9 V DC Latch with flow control					
3"	OVB300	173,88	3"	OVB301	451,00	3"	OVB309	309,12	3"	OVB302	473,00



Hydrovalves > 600 Series



KV FLOW-RATE FEATURE (M³/H AT 1 BAR LOAD LOSS)

DN				100	125	500	600
Ø In.	1½"	2"	3"				
Kv	50	50	100	150	250	500	600

DESCRIPTION

Application

- Fluids regulation and control in irrigation systems

Specifics

- Totally gray cast iron valve
- Hydraulic drive valve by network pressure
- Hydraulically controlled on/off
- Low pressure irrigation
- Long-term duration, chemical products resistant
- Low load losses

Features

- Precise and steady regulation
- The valve body ensures a hydraulic path free from cloggings
- Membranes set for different pressures

Materials

- Body, cap and shutter: G29 cast iron
- Diaphragm: neoprene
- Spring: stainless steel
- Paint:
 - polyester/green colour
 - polyester/blue colour (while stocks last)

BODY BASE



HYDRAULIC CONTROL



In line threaded						In line flanged					
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
3-way sagive											
2"	FERV101	95,00	DN80	FERV110	302,00	2"	FERV141	140,00	DN80	FERV150	345,00
2½"	FERV102	114,00	DN100	FERV111	422,00	2½"	FERV142	159,00	DN100	FERV151	458,00
3"	FERV103	196,00	DN125	FERV112	467,00	3"	FERV143	232,00	DN125	FERV152	550,00
4"	FERV105	394,40	DN150	FERV113	1.053,95	4"	FERV144	437,88	DN150	FERV153	1.103,66
			DN200	FERV120	3.340,00				DN200	FERV154	3.445,00

ELECTRIC CONTROL



In line threaded			In line flanged			In line threaded			In line flanged			In line threaded			In line flanged		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
3-way solenoid 9 bar 24V						3-way solenoid 9 bar 24V - NO Valve						3-way solenoid DC latch 6 - 40 V					
2"	FERV221	223,00	DN80	FERV230	431,00	2"	FERV241	226,00	DN80	FERV250	431,00	2"	FERV261	239,00	DN80	FERV270	419,00
2½"	FERV222	240,00	DN100	FERV231	530,00	2½"	FERV242	240,00	DN100	FERV251	530,00	2½"	FERV262	252,00	DN100	FERV271	515,00
3"	FERV223	320,00	DN125	FERV232	609,00	3"	FERV243	320,00	DN125	FERV252	609,00	3"	FERV263	333,00	DN125	FERV272	699,00
4"	FERV224	486,01	DN150	FERV233	1.158,65	4"	FERV244	486,01	DN150	FERV253	1.158,65	4"	FERV264	543,00	DN150	FERV273	1.170,81
			DN200	FERV234	REQ.				DN200	FERV254	3.445,00				DN200	FERV274	REQ.

PRESSURE REDUCTION

PRESSURE SUSTAIN



In line threaded			In line flanged			In line threaded			In line flanged			In line threaded			In line flanged		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
3-Way Pilot 12 bar						3-Way Pilot + solenoid 24V						3-Way Pilot 12 bar					
2"	FERV321	347,00	DN80	FERV330	552,00	2"	FERV361	436,00	DN80	FERV370	641,00	2"	FERV341	466,00	DN80	FERV350	605,00
2½"	FERV322	362,00	DN100	FERV331	626,00	2½"	FERV362	449,00	DN100	FERV371	737,00	2½"	FERV342	481,20	DN100	FERV351	725,80
3"	FERV323	442,00	DN125	FERV332	669,00	3"	FERV363	530,00	DN125	FERV372	777,00	3"	FERV343	520,00	DN125	FERV352	816,00
4"	FERV324	587,00	DN150	FERV333	REQ.	4"	FERV364	675,00	DN150	FERV373	REQ.	4"	FERV344	721,00	DN150	FERV353	REQ.
			DN200	FERV334	REQ.				DN200	FERV374	REQ.				DN200	FERV354	REQ.



> Superdry Alfa Series



DESCRIPTION

Features

- Turbine water meter for cold water, single-jet water meter with straight reading on numbered protected rollers.
- On request, hot water version up to 90°C temperature
- Dry dial with special magnetic anti-fraud screen
- Magnetic transmission
- Hermetic seal watch, vacuum and anti-fog
- Certified frost resistance
- Brass cage
- CEE 75/33 - B class patented

FLOW-RATES AND DIMENSIONS

Ø	Q _{min} lt/h	Q _t	Q _n m³/h	Q _{max}	P _{max} bar	Length mm	Width mm
½"	25 ÷ 30	120	1,5 ÷ 2,5	3	16	110	72
¾"	50	200	2,5	5	16	130	72

Code	Ø	€
FCA090	½"	38,30
FCA091	¾"	49,30

> Superdry Beta Series



DESCRIPTION

Features

- Multi-jet water meter for cold and warm water, with brass ring and mineral glass (fixed tight counter), straight reading on 5 numbered rollers
- 360° adjustable dry dial, with special magnetic anti-fraud screen
- Magnetic transmission
- Hermetic seal watch, vacuum and anti-fog
- Brass cage for 2" model
- CEE 75/33 - B class patented
- Maximum pressure 16 bar

FLOW-RATES AND DIMENSIONS

Ø	Q _{max} m³/h	Q _n	Q _t lt/h	Q _{min}	Length mm	Width mm	Height mm	Weight kg
½"	3	1,5	120	30	165	99	107	1,20
¾"	5	2,5	200	50	190	99	109	1,45
1"	7	3,5	280	70	260	104	115	2,00
1"¼	12	6,0	400	100	260	104	120	2,30
1"½	20	10,0	800	200	300	125	148	4,20
2"	30	15,0	3.000	450	300	125	173	9,60
2"FL	30	15,0	3.000	450	300	125	173	9,60

1 bar load loss at Q_{max}

PULSE OUTPUT

Ø	WITHOUT		K=1		K=10	
	Code	€	Code	€	Code	€
½"	FCA009	73,80	FCA628	124,80	FCA609	124,80
¾"	FCA010	89,30	FCA629	140,30	FCA610	140,30
1"	FCA008	134,30	FCA630	185,30	FCA613	185,30
1"¼	FCA011	166,60	FCA631	217,60	FCA611	217,60
1"½	FCA012	272,00	FCA632	323,00	FCA615	323,00
2"	FCA015	363,80	FCA633	414,80	FCA614	414,80
2" FL	FCA018	334,60			FCA612	385,60

Available on request K=0,25/0,5/1/2,5/5/100

> Tagential Series



DESCRIPTION

Features

- Turbine water meter for cold water, single tangential jet with straight reading on numbered rollers.
- On request, hot water version up to 60°C temperature
- Dry dial with special magnetic anti-fraud screen
- Magnetic transmission
- Hermetic seal removable watch, vacuum and anti-fog
- The reel only partially invades the passage section of the water
- Horizontal, vertical or inclined installation
- HT200 cast iron cage
- Flanged fittings
- CEE 75/33 - B class patented
- Maximum pressure 16 bar

FLOW-RATES AND DIMENSIONS

DN	Q _{max}	Q _n	Q _t	Q _{min}	Length mm	Width mm	Weight kg
	m³/h				mm		kg
50	70	35	10,5	2,8	200	160	11,7
65	100	50	15,0	4,0	200	175	12,2
80	150	75	22,5	6,0	225	196	14,3
100	250	125	37,5	10,0	250	215	17,6
125	350	175	52,5	14,0	250	245	18,0
150	500	250	75,0	20,0	300	280	26,8
200	900	450	135,0	36,0	360	330	38,8

P_{max} 16 bar

< 1 bar load loss at Q_{max}

WITHOUT PULSE OUTPUT

Code	DN	€
FCA600	50	309,40
FCA601	65	323,00
FCA602	80	357,00
FCA603	100	428,40
FCA604	125	465,80
FCA605	150	571,20
FCA606	200	703,80

Can be purchased separately device with pulse output K=100 - Code FCAR001 € 70,00

WITH PULSE OUTPUT K=100

Code	DN	€
FCA622	50	377,40
FCA616	65	391,00
FCA617	80	425,00
FCA618	100	496,40
FCA619	125	533,80
FCA620	150	639,20
FCA621	200	771,80

DN50 ÷ DN125 K=100/1.000
From DN150 K=1.000/10.000



Accessories >

> Bermad/SC Pilots

BERMAD PLASTIC MINIPILOTS

Code	Description	Model	Bar	€	
APL013	3 ways, multifunction plastic	PC-Sharp X-P	0,5 ÷ 3	139,92	
APL011	3 ways, multifunction plastic	PC-Sharp X-P	1 ÷ 7	139,92	
APL017	3 ways, multifunction plastic	PC-Sharp X-P	0,8 ÷ 6,5	139,92	
APL015	2 ways plastic pressure reducer	PC-20-A-P	0,8 ÷ 6,5	139,92	
APL014	2 ways plastic pressure reducer	PC-20-A-P	0,5 ÷ 3	139,92	
APL016	Pressure relief mini (quick type)	PC-3Q-P	0,8 ÷ 6,5	139,92	
APL022	SERVO 2/3 ways	SERVO	0,5 ÷ 3,0	139,92	
APL012	Reducer - sustain metal/plastic 3 ways	PC-X-M-P	1 ÷ 7	312,74	
APL009	2 ways metal	#2PB	1 ÷ 16	889,15	

DESCRIPTION

Features

- Necessary for fluids and pressures control in agricultural and industrial hydraulic systems
- Installed on a hydraulic base valve. By controlling the upper chamber of the valve several aims can be reached, as for example, pressure regulation and/or sustain of the pressure, or check valve or quick air valve



SC SERIES PLASTIC MINIPILOTS

Code	Description	€	
FERC1536	3 ways SC plastic pilot valve for regulation	73,00	

> Valves Mini Fittings

Code	Description	Ø	€	
RTG001	Elbow	6 x 1/8" M	1,38	
RTG002	Elbow	6 x 1/4" M	1,38	
RTG003	Elbow	8 x 1/8" M	1,38	
RTG004	Elbow	8 x 1/4" M	1,38	
RTD001	Male fitting	6 x 1/8" M	1,16	
RTD002	Male fitting	6 x 1/4" M	1,16	
RTD003	Male fitting	8 x 1/8" M	1,16	
RTD004	Male fitting	8 x 1/4" M	1,16	
RTT320	Cap	1/8" M	2,25	
RTT321	Cap	1/4" M	2,25	
RTN001	Nipple	1/8" M x 1/8" M	2,25	
RTN002	Nipple	1/4" M x 1/4" M	2,25	
RTN003	Nipple	1/4" M x 1/8" M	2,25	
RTT300	Tee	6 x 6 x 6	1,95	
RTT301	Tee	8 x 8 x 8	1,95	

Code	Description	Ø	€	
RTT315	Tee	6 x 6 x 1/8" M	1,95	
RTT316	Tee	6 x 6 x 1/4" M	1,95	
RTT317	Tee	8 x 8 x 1/8" M	1,95	
RTT318	Tee	8 x 8 x 1/4" M	1,95	
RTT310	Tee	6 x 1/8" M x 6	1,95	
RTT311	Tee	6 x 1/4" M x 6	1,95	
RTT312	Tee	8 x 1/8" M x 8	1,95	
RTT313	Tee	8 x 1/4" M x 8	1,95	
RTM200	Sleeve	6 x 6	4,27	
RTM201	Sleeve	8 x 8	4,27	
RTM202	Sleeve	6 x 8	4,27	
RTR099	Reduction	1/2" M x 1/8" F	1,53	
RTR098	Reduction	1/2" M x 1/4" F	1,53	
RTR097	Reduction	1/2" M x 3/8" F	1,53	
FERC1645	3 ways valve	1/8" F x 1/8" F x 1/8" F x 1/4" M	21,47	

> Hydraulic Control Hose

Code	Material	Ø int/est mm	Box mt	€	
OTB083	PE black	5/8	150	0,570	
OTB087	PE white	5/8	200	0,427	

> Pressure Measurement

Code	Description	Bar	€	
FM0029	Gas fitting pressure gauge Ø 1/4" Ø dial 60 mm	0 ÷ 2,5	13,60	
FM0100	Gas fitting pressure gauge Ø 1/4" Ø dial 60 mm	0 ÷ 4	13,60	
FM0030	Gas fitting pressure gauge Ø 1/4" Ø dial 60 mm	0 ÷ 6	13,60	
FM0035	Gas fitting pressure gauge Ø 1/4" Ø dial 60 mm	0 ÷ 12	13,60	



> Bermad/SC Solenoids

Code	Description	Model	Voltage	Normal status	Current inrush (Amp)	Current hold (Amp)	Power (Watt)	€	
ORV264	2 ways solenoid actuator	S-390-2W	12 V DC	N.C.	0,33	0,330	4,0	17,51	
ORV266	2 ways solenoid actuator	S-390-2W	24 V DC	N.C.	0,18	0,180	3,6	17,51	
ORV261	2 ways solenoid actuator	S-390-2W	24 V AC	N.C.	0,25	0,125	1,7	17,51	
ORV281	TRIO 2 ways solenoid actuator	S-390-T-2W	24 V AC	N.C.	0,25	0,125	1,7	17,51	
ORV267	3 ways solenoid actuator	S-390-3W	12 V DC	N.O.	0,33	0,330	4,0	31,93	
ORV273	3 ways solenoid actuator	S-390-3W-D	24 V DC	N.O.	0,17	0,170	4,2	31,93	
ORV272	3 ways solenoid actuator	S-390-3W-D	24 V AC-D	N.O.	0,13	0,130	2,2	31,93	
ORV265	3 ways solenoid actuator plastic base	S-390-3W-D	24 V AC-D	N.O.	0,13	0,130	2,2	46,35	
ORV275	3 ways solenoid actuator metallic base	S-390-3W-D	24 V AC-D	N.O.	0,13	0,130	2,2	83,43	
ORV259	S400 3 ways solenoid actuator	S-400	24V AC	N.C.	0,20	0,200	3,5	51,50	
ORV260	S400 3 ways solenoid actuator	S-400	24V AC	N.O.	0,20	0,200	3,5	51,50	

Code	Description	Model	Voltage	Normal status	Min pulse duration (mSec)	Resistance (0hm)	€	
ORV262	2 ways latch solenoid actuator - 2 wires	S-392	9 - 20	N.O./N.C.	20	6	43,26	
ORV282	2 ways latch solenoid actuator - 2 wires	S-392-T-2L-2W	9 - 20	N.O./N.C.	20	6	43,26	
ORV268	3 ways latch solenoid actuator - 2 wires - plastic hydraulic base	S-402	9 - 40	N.O.	20	6	67,98	
ORV276	3 ways latch solenoid actuator - 2 wires - hydraulic metal base manual control	S-402-3W-D	9 - 40	N.O.	20	6	161,71	
ORV271	3 ways latch solenoid actuator - 2 wires - plastic hydraulic base manual control	S-982	12 - 50	N.O./N.C.	20	4	112,27	

Code	Description	Voltage	Normal state	Compatibility	€	
OPG886	Greenapp Bluetooth 3-way control unit with bistable solenoid 9 V (latch) and plastic base	9 - 20	N.C.	100 Series 200 Series	151,41	
OPG887	Greenapp Bluetooth 3-way control unit with bistable solenoid 9 V (latch) without base	9 - 20	N.C.	100 Series 200 Series	151,41	



PUMP

GRUNDFOS SQE 3"	136
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Electric Pumps > Vertical Axis, Submersible

> **SQE**

Grundfos Series



DESCRIPTION

Application

- Suitable for both continuous functioning and intermittent for domestic water supply for small irrigation systems

Features

- Built-in non-return valve
- Axial thrust protection
- Soft start device
- Overvoltage, undervoltage, overload and overtemperature protection
- Designed for pumping of fluid, clean, non-aggressive, inexplusive liquids and by temperatures not over 30°/40° C, with no solid particles or fibres or by a maximum sand content of 50 g/m³
- Equipped with a single-phase motor capable to communicate with CU301 control unit, which adjusts the pump speed to keep a constant pressure
- SQE pump need protection against dry running
- It is possible to set the pump on any working point included in the minimum and maximum performance curve of the pump (speed control variable between 65% and 100% of the performing curve)

SQE 2 SERIES

8 ÷ 50 L/M - 143 ÷ 20 MH2O

Code	Type	Kw	€
PSM171	SQE2-35	0,45	1.814,47
PSM172	SQE2-55	0,65	1.925,56
PSM173	SQE2-70	0,87	2.130,84
PSM174	SQE2-85	0,98	2.381,77
PSM175	SQE2-100	1,30	2.956,65
PSM176	SQE2-115	1,50	3.060,15

SQE 3 SERIES

25 ÷ 58 L/M - 138 ÷ 20 MH2O

Code	Type	Kw	€
PSM178	SQE3-30	0,44	1.736,96
PSM179	SQE3-40	0,63	1.840,35
PSM180	SQE3-55	0,83	2.126,24
PSM185	SQE3-65	1,02	2.377,17
PSM186	SQE3-80	1,23	2.950,56
PSM187	SQE3-95	1,43	3.054,06
PSM188	SQE3-105	1,63	3.155,95

SQE 5 SERIES

50 ÷ 100 L/M - 89 ÷ 9 MH2O

Code	Type	Kw	€
PSM159	SQE5-15	0,26	1.719,25
PSM160	SQE5-25	0,54	1.791,70
PSM161	SQE5-35	0,80	2.124,05
PSM162	SQE5-50	1,06	2.369,00
PSM165	SQE5-60	1,33	3.045,20
PSM166	SQE5-70	1,60	3.163,65

SQE 7 SERIES

58 ÷ 150 L/M - 52 ÷ 6 MH2O

Code	Type	Kw	€
PSM167	SQE7-15	0,42	2.359,00
PSM168	SQE7-30	0,84	2.564,27
PSM169	SQE7-40	1,27	3.282,10

ACCESSORIES ON COMPLETION OF SQE VARIABLE SPEED PUMPS

Code	Description	Type	€
EUN001	Control and communication unit for SQE pumps in constant pressure applications	CU 301 1 x 230 V	745,32
FID030	Expansion tank	5 liters	74,86
SPUN010	0 ÷ 6 bar pressure sensor	X CU 301	254,15



Electric Pumps > Vertical Axis, Submersible

> 4 Series



Ø coupling
1"¼ - 4A/B/D/E
2" - 4F/H/L

4"

DESCRIPTION

Application

- Domestic and industrial field
- Construction features and use of specific materials make 4HS pumps suitable for drinkable water as well
- Water supply, pressurization and irrigation

Features

- Asynchronous, three-phase motor with water bath rotor, jacketed and resin painted stator, wholly in AISI 304 stainless steel
- Multi-stage pump wholly in AISI 304 stainless steel

Specifics

- Flow-rates up to 21 m³/h
- Head up to up to 360 m
- Power up to 7,5 Kw
- Pumped fluid maximum temperature: 30°C
- Maximum sand quantity: 185 g/m³
- Maximum starts per hour: 15
- Apiration recommended minimum lever: 1 m
- On request assembled pumps with water bath motors are supplied
- Single-phase motor capacitors not included

Materials

- Polycarbonate impellers and diffusers
- AISI 304 heads
- Atoxic rubber thrust bearing
- External hose, shaft and other details in AISI 304
- Ceramic sleeves

6" water bath motors see page 143

230V

400V

ONLY PUMP

4A SERIES
10 ÷ 40 l/m
336 ÷ 15 mH2O

Code	Type	HP	Kw	µF	A	€
PSSM050	4A 005 N09	0,50	0,37	16	3,5	628,00
PSSM051	4A 007 N14	0,75	0,55	20	4,7	700,10
PSSM052	4A 010 N18	1,00	0,75	25	5,9	776,30
PSSM053	4A 015 N28	1,50	1,10	35	8,6	987,20
PSSM054	4A 020 N38	2,00	1,50	40	10,7	1.175,60
PSSM055	4A 030 N57	3,00	2,20	50	14,8	1.595,90

Code	Type	HP	Kw	A	€
PSST050	4A 005 N09	0,50	0,37	1,4	607,70
PSST051	4A 007 N14	0,75	0,55	1,9	671,80
PSST052	4A 010 N18	1,00	0,75	2,2	747,90
PSST053	4A 015 N28	1,50	1,10	3,0	954,80
PSST054	4A 020 N38	2,00	1,50	4,1	1.116,90
PSST055	4A 030 N57	3,00	2,20	5,6	1.533,10

Code	Type	€
PCPS061	4A 005 N09	285,60
PCPS019	4A 007 N14	341,50
PCPS018	4A 010 N18	405,50
PCPS060	4A 015 N28	577,90
PCPS009	4A 020 N38	685,30
PCPS008	4A 030 N57	979,90

4B SERIES
15 ÷ 50 l/m
346 ÷ 18 mH2O

Code	Type	HP	Kw	µF	A	€
PSSM060	4B 005 N07	0,50	0,37	16	3,5	589,20
PSSM061	4B 007 N11	0,75	0,55	20	4,1	647,50
PSSM062	4B 010 N15	1,00	0,75	25	5,9	702,10
PSSM063	4B 015 N22	1,50	1,10	35	8,6	809,00
PSSM064	4B 020 N30	2,00	1,50	40	10,7	1.062,60
PSSM065	4B 030 N44	3,00	2,20	50	14,8	1.352,70

Code	Type	HP	Kw	A	€
PSST060	4B 005 N07	0,50	0,37	1,4	568,90
PSST061	4B 007 N11	0,75	0,55	1,9	619,30
PSST062	4B 010 N15	1,00	0,75	2,2	673,70
PSST063	4B 015 N22	1,50	1,10	3,0	776,60
PSST064	4B 020 N30	2,00	1,50	4,1	1.003,90
PSST065	4B 030 N44	3,00	2,20	5,6	1.289,90
PSST066	4B 040 N60	4,00	3,00	7,5	1.848,60

Code	Type	€
PCPS001	4B 005 N07	246,70
PCPS002	4B 007 N11	289,00
PCPS003	4B 010 N15	331,20
PCPS004	4B 015 N22	399,80
PCPS005	4B 020 N30	572,20
PCPS006	4B 030 N44	736,70
PCPS007	4B 040 N60	1.046,20

4D SERIES
25 ÷ 80 l/m
325 ÷ 13 mH2O

Code	Type	HP	Kw	µF	A	€
PSSM10	4D 005 N05	0,50	0,37	16	3,5	572,00
PSSM11	4D 007 N07	0,75	0,55	20	4,7	608,70
PSSM12	4D 010 N10	1,00	0,75	25	5,9	655,20
PSSM13	4D 015 N15	1,50	1,10	35	8,6	748,50
PSSM14	4D 020 N20	2,00	1,50	40	10,7	890,10
PSSM15	4D 030 N30	3,00	2,20	50	14,8	1.201,90

Code	Type	HP	Kw	A	€
PSST10	4D 005 N05	0,50	0,37	1,4	551,80
PSST11	4D 007 N07	0,75	0,55	1,9	580,40
PSST12	4D 010 N10	1,00	0,75	2,2	626,90
PSST13	4D 015 N15	1,50	1,10	3,0	716,10
PSST14	4D 020 N20	2,00	1,50	4,1	831,40
PSST15	4D 030 N30	3,00	2,20	5,6	1.139,10
PSST16	4D 040 N40	4,00	3,00	7,5	1.589,30
PSST17	4D 055 N54	5,50	4,00	9,8	2.005,10

Code	Type	€
PCPS010	4D 005 N05	229,60
PCPS011	4D 007 N07	250,20
PCPS012	4D 010 N10	284,40
PCPS013	4D 015 N15	339,20
PCPS014	4D 020 N20	399,80
PCPS015	4D 030 N30	585,90
PCPS016	4D 040 N40	786,90
PCPS017	4D 055 N54	1.069,00

4E SERIES
35 ÷ 100 l/m
282 ÷ 9 mH2O

Code	Type	HP	Kw	µF	A	€
PSSM030	4E 005 N04	0,50	0,37	16	3,5	572,00
PSSM031	4E 007 N06	0,75	0,55	20	4,7	608,70
PSSM032	4E 010 N08	1,00	0,75	25	5,9	641,50
PSSM033	4E 015 N12	1,50	1,10	35	8,6	726,80
PSSM034	4E 020 N16	2,00	1,50	40	10,7	870,70
PSSN035	4E 030 N24	3,00	2,20	50	14,8	1.112,80

Code	Type	HP	Kw	A	€
PSST040	4E 005 N04	0,50	0,37	1,4	551,80
PSST041	4E 007 N06	0,75	0,55	1,9	580,40
PSST042	4E 010 N08	1,00	0,75	2,2	613,20
PSST043	4E 015 N12	1,50	1,10	3,0	694,40
PSST044	4E 020 N16	2,00	1,50	4,1	812,00
PSST045	4E 030 N24	3,00	2,20	5,6	1.050,00
PSST046	4E 040 N32	4,00	3,00	7,5	1.485,40
PSST047	4E 055 N44	5,50	4,00	9,8	1.824,70

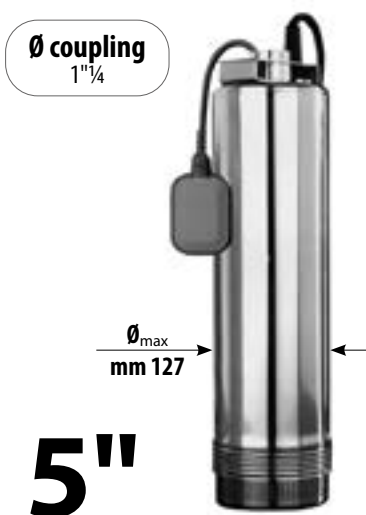
Code	Type	€
PCPS053	4E 005 N04	229,60
PCPS062	4E 007 N06	250,20
PCPS054	4E 010 N08	270,70
PCPS055	4E 015 N12	317,50
PCPS056	4E 020 N16	380,40
PCPS057	4E 030 N24	496,80
PCPS063	4E 040 N32	683,00
PCPS064	4E 055 N44	888,60



Electric Pumps > Vertical Axis, Submersible

230V								400V						ONLY PUMP		
Code	Type	HP	Kw	μF	A	€		Code	Type	HP	Kw	A	€	Code	Type	€
4F SERIES 45 ÷ 160 l/m 330 ÷ 12 mH2O	PSSM020	4F 010 N06	1,00	0,75	25	5,9	670,10	PSST020	4F 010 N06	1,00	0,75	2,2	641,70	PCPS020	4F 010 N06	299,30
	PSSM021	4F 015 N09	1,50	1,10	35	8,6	767,90	PSST021	4F 015 N09	1,50	1,10	3,0	735,50	PCPS021	4F 015 N09	358,70
	PSSM022	4F 020 N12	2,00	1,50	40	10,7	898,10	PSST022	4F 020 N12	2,00	1,50	4,1	839,40	PCPS022	4F 020 N12	407,80
	PSSM023	4F 030 N18	3,00	2,20	50	14,8	1.128,80	PSST023	4F 030 N18	3,00	2,20	5,6	1.066,00	PCPS023	4F 030 N18	512,80
4H SERIES 80 ÷ 225 l/m 235 ÷ 12 mH2O	PSSM070	4H 015 N06	1,50	1,10	35	8,6	708,50	PSST030	4H 015 N06	1,50	1,10	3,0	676,10	PCPS030	4H 015 N06	299,30
	PSSM071	4H 020 N08	2,00	1,50	40	10,7	823,90	PSST031	4H 020 N08	2,00	1,50	4,1	765,20	PCPS031	4H 020 N08	333,50
	PSSM072	4H 030 N12	3,00	2,20	50	14,8	1.071,70	PSST032	4H 030 N12	3,00	2,20	5,6	1.008,90	PCPS032	4H 030 N12	455,70
								PSST033	4H 040 N16	4,00	3,00	7,5	1.304,90	PCPS033	4H 040 N16	502,60
4L SERIES 120 ÷ 350 l/m 148 ÷ 8 mH2O	PSSM080	4L 020 N05	2,00	1,50	40	10,7	817,00	PSST034	4H 055 N22	5,50	4,00	9,8	1.586,00	PCPS034	4H 055 N22	649,90
	PSSM081	4L 030 N07	3,00	2,20	50	14,8	1.051,20	PSST035	4H 075 N30	7,50	5,50	12,7	1.948,00	PCPS035	4H 075 N30	841,80
								PSST036	4H 100 N39	10,00	7,50	16,9	2.335,80	PCPS036	4H 100 N39	1.033,60
								PSST080	4L 020 N05	2,00	1,50	4,1	758,30	PCPS040	4L 020 N05	326,70
								PSST081	4L 030 N07	3,00	2,20	5,6	988,40	PCPS041	4L 030 N07	435,20
								PSST082	4L 040 N10	4,00	3,00	7,5	1.315,20	PCPS042	4L 040 N10	512,80
								PSST083	4L 055 N14	5,50	4,00	9,8	1.550,60	PCPS043	4L 055 N14	614,50
								PSST084	4L 075 N19	7,50	5,50	12,7	1.905,80	PCPS044	4L 075 N19	799,50
								PSST085	4L 100 N25	10,00	7,50	16,9	2.267,30	PCPS045	4L 100 N25	965,10

> SF-SC Series while supplies last



DESCRIPTION

Application

- Domestic and industrial use
 - Water supply, pressurization and irrigation
 - Structural features and the use of specific materials
- allow to use 4HS electro pumps for drinkable water as well

Features

- Multi-stage
- Removable and interchangeable cable-connector system
- AISI 316 shaft extension
- Silicon carbide mechanical seal
- Pressed brass upper and lower supports
- AISI 304 stainless steel jacketed hermetic stator
- In single-phase pumps a float can be used

Specifics

- High voltage power maximum diversion: +/- 5%
- Maximum temperature of liquid that affects the engine by lime-free jacket: 30° if affected by a 0,3 m/sec speed, 40° by a 1,2 m/sec speed
- Maximum starts per hour = 40
- Supplied with 10 mt H07RNF standard and thermal built-in cable

SF SERIES - 25 ÷ 200 L/M - 55 ÷ 10 MH2O

Code	Type	HP	Kw	230V - μF	€
PSSF003	SF 015 N03	1,50	1,10	230V - μF 25	899,64
PSSF004	SF 020 N04	2,00	1,50	230V - μF 35	1.022,76
EGL900	Float with 10 meters of cable H07RNF				162,00

SC SERIES WITHOUT FLOAT 10 ÷ 80 L/M - 96 ÷ 9 MH2O

Code	Type	HP	Kw	230V - μF	€
PSSC008	SC 010 N04	1,00	0,75	230V - μF 20	749,52

SC SERIES WITH FLOAT 10 ÷ 80 L/M - 96 ÷ 9 MH2O SINGLE-PHASE

Code	Type	HP	Kw	230V - μF	€
PSSC015	SC 007 N03	0,75	0,55	230V - μF 16	732,24
PSSC016	SC 010 N04	1,00	0,75	230V - μF 20	822,96
PSSC017	SC 015 N06	1,50	1,10	230V - μF 25	914,76
PSSC018	SC 020 N08	2,00	1,50	230V - μF 35	1.005,48

SC SERIES 10 ÷ 80 L/M - 96 ÷ 9 MH2O THREE-PHASE

Code	Type	HP	Kw	400V	€
PSSC057	SC 007 N03	0,75	0,55	400V	670,68
PSSC058	SC 010 N04	1,00	0,75	400V	749,52
PSSC059	SC 015 N06	1,50	1,10	400V	858,60
PSSC060	SC 020 N08	2,00	1,50	400V	979,56



Electric Pumps > Vertical Axis, Submersible

> 6 Series

Ø coupling
3"



6"

DESCRIPTION

Application

- Civil and industrial water supply, water pipelines, fire-fighting systems, irrigation systems and any other kind of system

Specifics

- Water bath motor
- Maximum working pressure: 7 mH2O
- Pumped liquid temperature: 30° C
- Maximum flow-rate: 66m³/h
- Maximum starts per hour: 15
- Aspiration maximum level: 1 m

Materials

- Valve and suction cage body: stainless steel spheroidal cast iron (Ni-resist D2B/AISI 304)
- Bush bearings: brass/rubber
- Completely protected shaft: AISI 420
- Wearing ring, spacer pipe for external jacket stage, cable protection, screen suction: AISI 304 stainless steel
- Impellers and diffusers: Norly

230V

400V

ONLY PUMP

Code	Type	HP	Kw	µF	A	€	Code	Type	HP	Kw	A	€	Code	Type	€
PSSM1000	6B 030 N05/4*	3,0	2,2	50	14,8	1.534,30	PSST1000	6B 030 N05/4*	3,0	2,2	6,2	1.601,64	PCPS500	6B 030 N05/4*	918,30
							PSST1001	6B 040 N06/4*	4,0	3,0	7,8	1.873,80	PCPS539	6B 030 N05/4*	918,30
							PSST1006	6B 040 N07/4*	5,0	3,7	9,8	1.970,90	PCPS501	6B 040 N06/4*	973,10
							PSST1003	6B 055 N08/4*	5,0	3,7	9,8	2.114,64	PCPS514	6B 040 N07/4*	1.034,80
							PSST1004	6B 055 N09/4*	5,5	4,0	9,8	2.167,56	PCPS503	6B 055 N08/4*	1.097,60
							PSST1005	6B 075 N12/4*	7,5	5,5	13,8	2.553,12	PCPS504	6B 055 N09/4*	1.158,10
							PSST1100	6B 075 N12	7,5	5,5	13,8	3.585,30	PCPS505	6B 075 N12/4*	1.362,50
							PSST1101	6B 100 N16	10,0	7,5	18,0	4.061,80	PCPS534	6B 075 N12	1.362,50
							PSST1102	6B 125 N18	12,5	9,2	22,0	4.349,30	PCPS506	6B 100 N16	1.715,40
							PSST1103	6B 125 N21	12,5	9,2	22,0	4.658,80	PCPS507	6B 125 N18	1.838,80
							PSST1104	6B 150 N24	15,0	11,0	26,0	4.993,10	PCPS508	6B 125 N21	2.148,30
							PSST1106	6B 200 N32/SD	20,0	15,0	33,0	6.691,30	PCPS509	6B 150 N24	2.355,00
							PSST1107	6B 250 N40/SD	25,0	18,5	41,0	7.390,10	PCPS511	6B 200 N32/SD	3.612,40
							PSST1108	6B 300 N48/SD	30,0	22,0	49,0	8.297,50	PCPS512	6B 250 N40/SD	4.121,80
													PCPS513	6B 300 N48/SD	4.622,00
							PSST1011	6D 040 N05/4*	4,0	3,0	7,8	1.720,70	PCPS521	6D 040 N05/4*	918,30
							PSST1012	6D 050 N06/4*	5,5	4,0	9,8	1.909,20	PCPS522	6D 050 N06/4*	973,10
							PSST1013	6D 075 N07/4*	7,5	5,5	13,8	2.141,00	PCPS523	6D 075 N07/4*	1.034,80
							PSST1110	6D 075 N07	7,5	5,5	13,8	3.257,50	PCPS535	6D 075 N07	1.034,80
							PSST1014	6D 075 N08/4*	7,5	5,5	13,8	2.203,90	PCPS524	6D 075 N08/4*	1.097,60
							PSST1111	6D 075 N08	7,5	5,5	13,8	3.320,30	PCPS536	6D 075 N08	1.097,60
							PSST1015	6D 075 N09/4*	7,5	5,5	13,8	2.264,40	PCPS525	6D 075 N09/4*	1.158,10
							PSST1112	6D 075 N09	7,5	5,5	13,8	3.380,90	PCPS537	6D 075 N09	1.158,10
							PSST1113	6D 100 N12	10,0	7,5	18,0	3.708,90	PCPS526	6D 100 N12	1.362,50
							PSST1114	6D 125 N15	12,5	9,2	22,0	4.144,80	PCPS527	6D 125 N15	1.634,30
							PSST1115	6D 150 N18	15,0	11,0	26,0	4.476,90	PCPS528	6D 150 N18	1.838,80
							PSST1116	6D 175 N21	17,5	13,0	29,0	5.227,20	PCPS529	6D 175 N21	2.148,30
							PSST1117	6D 200 N24	20,0	15,0	33,0	5.433,90	PCPS530	6D 200 N24	2.355,00
							PSST1118	6D 250 N30	25,0	18,5	41,0	6.093,80	PCPS531	6D 250 N30	2.825,50
							PSST1119	6D 300 N35/SD	30,0	22,0	49,0	7.482,00	PCPS532	6D 300 N35/SD	3.806,50

*Combined with oil bath 4" motor



Electric Pumps > Vertical Axis, Submersible

		230V							400V							ONLY PUMP		
		Code	Type	HP	Kw	μF	A	€	Code	Type	HP	Kw	A	€		Code	Type	€
6E SERIES 200 ÷ 600 l/m 35 ÷ 2 mH2O		PSSM1020	6E 020 N02/4*	2,0	1,5	40	11,0	1.297,80	PSST1020	6E 020 N02/4*	2,0	1,5	4,6	1.239,10		PCPS546	6E 020 N02/4*	807,50
		PSSM1021	6E 030 N03/4*	3,0	2,2	50	14,8	1.505,70	PSST1021	6E 030 N03/4*	3,0	2,2	6,2	1.442,90		PCPS547	6E 030 N03/4*	889,70
6F SERIES 200 ÷ 600 l/m 593 ÷ 11 mH2O									PSST1030	6F 040 N03/4*	4,0	3,0	7,8	1.692,10		PCPS550	6F 040 N03/4*	889,70
									PSST1031	6F 050 N04/4*	5,5	4,0	9,8	1.900,10		PCPS551	6F 050 N04/4*	1.054,08
									PSST1032	6F 075 N06/4*	7,5	5,5	13,8	2.245,00		PCPS564	6F 075 N06/4*	1.138,70
									PSST1125	6F 075 N06	7,5	5,5	13,8	3.361,40		PCPS552	6F 075 N06	1.138,70
									PSST1126	6F 100 N08	10,0	7,5	18,0	3.649,50		PCPS553	6F 100 N08	1.303,10
									PSST1127	6F 125 N10	12,5	9,2	22,0	3.997,50		PCPS554	6F 125 N10	1.487,00
									PSST1128	6F 150 N12	15,0	11,0	26,0	4.310,20		PCPS555	6F 150 N12	1.672,00
									PSST1129	6F 175 N14	17,5	13,0	29,0	4.917,70		PCPS556	6F 175 N14	1.838,80
									PSST1130	6F 200 N16	20,0	15,0	33,0	5.102,70		PCPS557	6F 200 N16	2.023,80
									PSST1131	6F 250 N20	25,0	18,5	41,0	5.828,90		PCPS558	6F 250 N20	2.560,60
									PSST1132	6F 300 N24	30,0	22,0	49,0	6.525,00		PCPS559	6F 300 N24	2.849,50
									PSST1133	6F 350 N28/SD	35,0	26,0	57,0	9.055,70		PCPS560	6F 350 N28/SD	4.233,70
									PSST1134	6F 400 N32/SD	40,0	30,0	67,0	10.022,90		PCPS561	6F 400 N32/SD	4.564,90
									PSST1135	6F 500 N40/SD	50,0	37,0	74,0	12.616,90		PCPS562	6F 500 N40/SD	5.334,60
6H SERIES 300 ÷ 800 l/m 400 ÷ 7 mH2O									PSST1040	6H 040 N02/4*	4,0	3,0	7,8	1.746,36		PCPS569	6H 040 N02/4*	786,90
									PSST1041	6H 055 N03/4*	5,5	4,0	9,8	1.975,32		PCPS570	6H 055 N03/4*	889,70
									PSST1042	6H 075 N04/4*	7,5	5,5	13,8	2.245,32		PCPS571	6H 075 N04/4*	993,60
									PSST1140	6H 075 N04	7,5	5,5	13,8	3.216,40		PCPS572	6H 075 N04	993,60
									PSST1141	6H 100 N05	10,0	7,5	18,0	3.423,30		PCPS573	6H 100 N05	1.077,00
									PSST1142	6H 125 N06	12,5	9,2	22,0	3.668,60		PCPS574	6H 125 N06	1.158,10
									PSST1143	6H 150 N08	15,0	11,0	26,0	3.983,50		PCPS575	6H 150 N08	1.345,40
									PSST1144	6H 175 N09	17,5	13,0	29,0	4.516,90		PCPS576	6H 175 N09	1.437,90
									PSST1145	6H 200 N10	20,0	15,0	33,0	4.610,50		PCPS577	6H 200 N10	1.531,60
									PSST1146	6H 250 N13	25,0	18,5	41,0	5.061,40		PCPS578	6H 250 N13	1.793,10
									PSST1147	6H 300 N16	30,0	22,0	49,0	5.718,70		PCPS579	6H 300 N16	2.043,20
									PSST1148	6H 350 N19	35,0	26,0	57,0	7.288,90		PCPS580	6H 350 N19	2.466,90
									PSST1149	6H 400 N22	40,0	30,0	67,0	8.148,90		PCPS581	6H 400 N22	2.690,80
									PSST1150	6H 500 N27/SD	50,0	37,0	74,0	11.538,80		PCPS582	6H 500 N27/SD	4.256,50
6I SERIES 400 ÷ 900 l/m 16 ÷ 5 mH2O		PSSM1030	6I 030 N02/4*	3,0	2,2	50	8,6	1.415,50	PSST1050	6I 030 N02/4*	3,0	2,2	6,2	1.352,70		PCPS590	6I 030 N02/4*	799,50
6L SERIES 500 ÷ 1.100 l/m 232 ÷ 4 mH2O									PSST1060	6L 055 N03/4*	5,5	4,0	9,8	1.894,32		PCPS599	6L 055 N03/4*	889,70
									PSST1061	6L 075 N04/4*	10,0	7,5	18,0	2.099,90		PCPS600	6L 075 N04/4*	993,60
									PSST1161	6L 100 N04	10,0	7,5	18,0	3.340,00		PCPS602	6L 100 N04	994,52
									PSST1162	6L 125 N06	12,5	9,2	22,0	3.668,60		PCPS605	6L 125 N06	1.158,10
									PSST1163	6L 150 N07	15,0	11,0	26,0	3.875,00		PCPS603	6L 150 N07	1.236,90
									PSST1164	6L 175 N08	17,5	13,0	29,0	4.424,30		PCPS609	6L 175 N08	1.345,40
									PSST1165	6L 200 N09	20,0	15,0	34,0	4.516,90		PCPS606	6L 200 N09	1.437,90
									PSST1166	6L 250 N12	25,0	18,5	41,0	4.983,70		PCPS607	6L 250 N12	1.715,40
									PSST1167	6L 300 N12	30,0	22,0	49,0	5.567,90		PCPS608	6L 300 N12	1.892,50
									PSST1168	6L 350 N15	35,0	26,0	57,0	6.876,60		PCPS610	6L 350 N15	2.054,60
									PSST1169	6L 400 N19	40,0	30,0	67,0	7.982,10		PCPS611	6L 400 N19	2.524,00
									PSST1170	6L 500 N22/S	50,0	37,0	74,0	10.345,30		PCPS612	6L 500 N22/S	3.063,10

*Combined with oil bath 4" motor



Electric Pumps > Vertical Axis, Submersible

> Semi-Axial

6"

8"



DESCRIPTION

Application

- Semi-axial submersible pumps are characterized by stages formed by body plus built-in casted stainless steel impeller and diffuser
- This kind of solution, compared to the radial ones, is excellent when medium-high flow-rates with an average head up, by equal radius, are requested

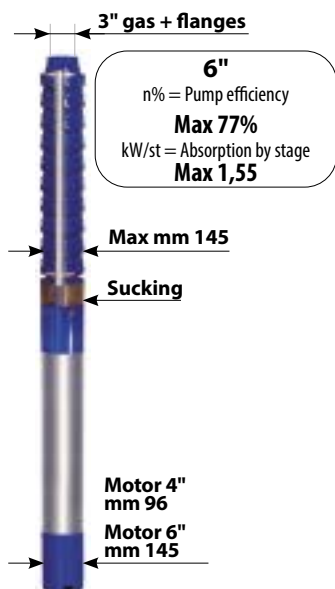
Specifics

- Water bath motor
- Maximum workin pressure: 200 mH2O
- Pumped liquid temperature: 30°C
- Maximum flow-rate: 96 m³/h
- Maximum starts per hour: 15
- Aspiration minimum level: 1 m

Materials

- Valve and suction cage body: spheroidal stainless cast iron (Ni-resist D2B/AISI 304)
- Bush bearing: brass/rubber
- Protected shaft: AISI 420
- Wearing rings, supplied spacer pipe for external jacket stage, cable protection, suction cage: AISI 304 stainless steel
- Impellers and diffusers: Noryl

> 140 SEC Series



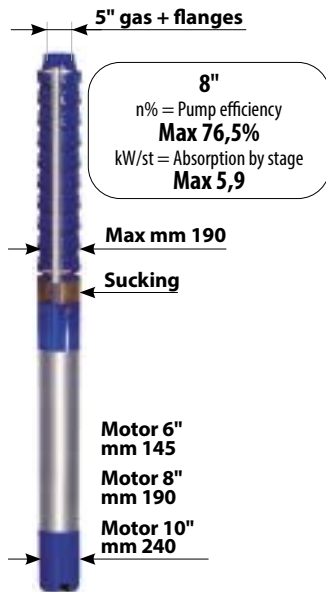
Ø 6" - FLOW-RATE 600 ÷ 1.400 L/M

Code	Type	HP	Kw		€
PSSTG112	140REC66/03	7,5	5,5	400V	3.464,64
PSSTG100	140REC66/04	10,0	7,5	400V	4.102,40
PSSTG101	140REC66/05	12,5	9,2	400V	4.477,00
PSSTG102	140REC66/06	15,0	11,0	400V	4.977,80
PSSTG103	140REC66/07	17,5	13,0	400V	5.303,90
PSSTG104	140REC66/08	20,0	15,0	400V	5.881,10
PSSTG105	140REC66/09	25,0	18,5	400V	6.345,00
PSSTG106	140REC66/10	25,0	18,5	400V	6.668,40
PSSTG107	140REC66/11	30,0	22,0	400V	7.919,80
PSSTG108	140REC66/12	35,0	26,0	400V	8.549,28
PSSTG109	140REC66/13	35,0	26,0	400V	8.782,56
PSSTG110	140REC66/15	40,0	30,0	400V	9.745,50
PSSTG111	140REC66/18	50,0	37,0	400V	11.240,80
PSSTG113	140SEC66/19	50,0	37,0	400V	11.462,60
PSSTG114	140SEC66/20	50,0	37,0	400V	12.119,10
PSSTG115	140SEC66/21	50,0	37,0	400V	12.371,80



Electric Pumps > Vertical Axis, Submersible

> 180 SEC Series



180 SEC 78 SERIES Ø 8" - FLOW-RATE 600 ÷ 1.600 L/M

Code	Type	HP	Kw		€
PSSTG400	180REC78/02	15,0	11,0	400V	5.215,80
PSSTG401	180REC78/03	20,0	15,0	400V	6.085,30
PSSTG402	180REC78/04	30,0	22,0	400V	7.834,60
PSSTG403	180REC78/05	35,0	26,0	400V	9.152,10
PSSTG404	180REC78/06	40,0	30,0	400V	10.312,92
PSSTG405	180REC78/07	50,0	37,0	400V	14.143,10
PSSTG406	180REC78/08	60,0	44,0	400V	15.284,40
PSSTG408	180REC78/10	75,0	55,0	400V	16.947,10
PSSTG410	180REC78/13	90,0	66,0	400V	20.530,90
PSSTG411	180REC78/14	100,0	75,0	400V	21.490,10

180 SEC 90 SERIES Ø 8" - FLOW-RATE 800 ÷ 2.000 L/M

Code	Type	HP	Kw		€
PSSTG420	180SEC90/1	10,0	7,5	400V	4.416,70
PSSTG423	180SEC90/2	17,5	13,0	400V	5.317,10
PSSTG425	180SEC90/3	25,0	18,5	400V	6.417,20
PSSTG427	180SEC90/4	35,0	26,0	400V	8.752,60
PSSTG428	180SEC90/5	40,0	30,0	400V	9.344,60
PSSTG429	180SEC90/6	50,0	37,0	400V	10.753,56
PSSTG430	180SEC90/7	60,0	44,0	400V	14.848,10
PSSTG431	180SEC90/8	75,0	55,0	400V	16.124,50
PSSTG432	180SEC90/9	75,0	55,0	400V	16.534,30
PSSTG433	180SEC90/10	90,0	66,0	400V	19.257,50
PSSTG434	180SEC90/11	90,0	66,0	400V	19.674,60
PSSTG435	180SEC90/12	100,0	75,0	400V	20.632,30
PSSTG436	180SEC90/13	100,0	75,0	400V	21.086,10
PSSTG437	180SEC90/14	125,0	92,0	400V	22.854,60
PSSTG438	180SEC90/15	125,0	92,0	400V	23.260,00

180 SEC 102 SERIES Ø 8" - FLOW-RATE 1.000 ÷ 2.400 L/M

Code	Type	HP	Kw		€
PSSTG440	180SEC102/1	10	7,5	400V	4.416,70
PSSTG443	180SEC102/2	20	15	400V	5.671,10
PSSTG445	180SEC102/3	30	22	400V	7.419,00
PSSTG447	180SEC102/4	40	30	400V	8.945,00
PSSTG448	180SEC102/5	50	37	400V	13.385,20
PSSTG449	180SEC102/6	60	44	400V	14.436,90
PSSTG450	180SEC102/7	75	55	400V	15.660,40
PSSTG451	180SEC102/8	75	55	400V	18.424,70
PSSTG452	180SEC102/9	90	66	400V	18.831,50
PSSTG453	180SEC102/10	100	75	400V	19.799,50
PSSTG454	180SEC102/11	100	75	400V	21.579,70
PSSTG455	180SEC102/12	125	92	400V	21.979,20
PSSTG456	180SEC102/13	125	92	400V	22.433,00

10" and 12" models available on request - for features and functional details contact technical service



Electric Pumps > Vertical Axis, Submersible

> Oil Bath Motors

4"



DESCRIPTION

Features

- Flange: 4" NEMA
- Insulation class: F
- Protection degree: IP68
- Ambient temperature: 35°
- Cooling speed: 0,3 m/s minimum
- Power supply tolerance: 6% - 10%
- Tie rods and screws: AISI 304
- Maximum starts number: 20/h
- Maximum working depth: 250 m
- Axial thrust: 0,5HP/1,5HP 2000N-2HP/3HP 3000N-4HP/10HP 5000N

Code	Type	Power supply	HP	Kw	μf	€
PMTM030	S4MOM005	Single-phase 230V	0,50	0,37	16	342,50
PMTM031	S4MOM007	Single-phase 230V	0,75	0,56	20	358,60
PMTM032	S4MOM010	Single-phase 230V	1,00	0,75	25	370,90
PMTM033	S4MOM015	Single-phase 230V	1,50	1,10	35	409,30
PMTM034	S4MOM020	Single-phase 230V	2,00	1,50	40	490,40
PMTM035	S4MOM030	Single-phase 230V	3,00	2,20	50	616,00
PMTT030	S4MOT005	Three-phase 400V	0,50	0,37		322,20
PMTT031	S4MOT007	Three-phase 400V	0,75	0,56		330,30
PMTT032	S4MOT010	Three-phase 400V	1,00	0,75		342,50
PMTT033	S4MOT015	Three-phase 400V	1,50	1,10		376,90
PMTT034	S4MOT020	Three-phase 400V	2,00	1,50		431,70
PMTT035	S4MOT030	Three-phase 400V	3,00	2,20		553,20
PMTT036	S4MOT040	Three-phase 400V	4,00	3,00		802,40
PMTT037	S4MOT055	Three-phase 400V	5,50	4,00		936,20
PMTT038	S4MOT075	Three-phase 400V	7,50	5,50		1.106,30
PMTT039	S4MOT100	Three-phase 400V	10,00	7,50		1.302,20

> Water Bath Motors

6"

Code	Type	Power supply	HP	Kw	€
PMTT108	S6MAT050	Three-phase 400V	5,5	4	2.149,80
PMTT109	S6MAT075	Three-phase 400V	7,5	5,5	2.222,80
PMTT110	S6MAT100	Three-phase 400V	10	7,5	2.346,40
PMTT111	S6MAT125	Three-phase 400V	12,5	9,2	2.510,50
PMTT112	S6MAT150	Three-phase 400V	15	11	2.638,20

Code	Type	Power supply	HP	Kw	€
PMTT113	S6MAT200	Three-phase 400V	20	15	3.079,00
PMTT114	S6MAT250	Three-phase 400V	25	18,5	3.268,40
PMTT115	S6MAT300	Three-phase 400V	30	22	3.675,50
PMTT121	S6MAT300	Three-phase 400V	35	26	4.822,10
PMTT116	S6MAT400	Three-phase 400V	40	30	5.458,10
PMTT117	S6MAT500	Three-phase 400V	50	37	7.282,30

8"

Code	Type	Power supply	HP	Kw	€
PMTT138	S8MAT040	Three-phase 400V	40	30	8.968,50
PMTT139	S8MAT050	Three-phase 400V	50	37	9.808,70
PMTT140	S8MAT060	Three-phase 400V	60	44	10.485,80
PMTT141	S8MAT075	Three-phase 400V	75	55	11.326,00
PMTT142	S8MAT090	Three-phase 400V	90	66	13.636,40
PMTT143	S8MAT100	Three-phase 400V	100	75	14.191,60
PMTT144	S8MAT125	Three-phase 400V	125	92	15.556,10



> NM - Threaded



DESCRIPTION

- Single impeller
- Flow-rate: 16 ÷ 140 l/m
- Head up: 47 ÷ 16,3 mH₂O
- Ports: threaded PN10 - in/out Ø 1"
- Power supply: 400 V 50 Hz - 220 V 50 Hz

Specifics

- Protection degree: IP 54
- Suction liftup: max 7 mt
- Pump body maximum pressure: 10 bar
- Continuous service

Materials

- Pump body and cap: cast iron
- Impeller: brass
- Shaft: AISI 303/430 stainless steel

THREE-PHASE 230/400 V

Code	Type	HP	€
POC001	NM 1/A/E	0,5	223,07
POC004	NM 2/A/A	1	279,91

Code	Type	HP	€
POC005	NM 3/C/A	1,5	480,47
POC006	NM 3/B/A	2	548,03

SINGLE-PHASE 230 V

Code	Type	HP	€
POC030	NMM 1/A/E	0,5	223,07
POC033	NMM 2/A/A	1	292,79

Code	Type	HP	€
POC034	NMM 3/C/E	1,5	528,71
POC035	NMM 3/B/E	2	652,04

> NMD - Threaded



DESCRIPTION

- With two back-to-back impellers (with axial thrust balancing)
- Flow-rate: 16 ÷ 400 l/m
- Head up: 94 ÷ 25 mH₂O
- Ports: threaded PN10 - in/out Ø 1"

Specifics

- Power supply: 400 V 50 Hz - 220 V 50 Hz
- Protection degree: IP 54
- Suction liftup: max 7 mt
- Pump body maximum pressure: 10 bar
- Continuous service

Materials

- Pump body and cap: grey cast iron
- Impeller: brass
- Shaft: AISI 303/430 stainless steel

THREE-PHASE 230/400 V

Code	Type	HP	€
POC052	NMD 20/110A/B	1	340,14
POC053	NMD 20/140B/A	1,5	527,66
POC054	NMD 20/140A/A	2	558,75

Code	Type	HP	€
POC062	NMD 40/180D/B	5,5	1.426,82
POC063	NMD 40/180C/A	7,5	1.674,64
POC064	NMD 40/180B/A	10,0	1.877,92
POC065	NMD 40/180A/B	12,5	2.192,49

SINGLE-PHASE 230 V

Code	Type	HP	€
POC068	NMDM 20/110A/A	1	340,14
POC069	NMDM 20/140B/E	1,5	527,66
POC070	NMDM 20/140A/E	2	663,88

> NM - Three-phase - Flanged



DESCRIPTION

- Single impeller
- Flow-rate: 110 ÷ 2350 l/m
- Head up 80,5 ÷ 9,2 mH₂O
- Ports: flanged PN16
- Power supply: 400 V 50 Hz

Specifics

- Protection degree: IP 54
- Suction liftup: max 7 mt
- Pump body maximum pressure: 10 bar
- Continuous service

Materials

- Pump body and cap: grey cast iron
- Impeller: cast iron (brass for NM 32)
- Shaft: AISI 303/430 stainless steel

Code	Type	HP	€
POC083	NM 32/12S/A	2	612,42
POC085	NM 32/16A/B	3	743,21
POC087	NM 32/20C/A	4	903,04
POC088	NM 32/20A/B	5,5	1.026,33

Model	DN flange	
	Input	Output
NM 32	50	32
NM 40	65	40
NM 50	65	50
NM 65	80	65

Code	Type	HP	€
POC091	NM 40/12A/C	3	701,36
POC092	NM 40/16C/C	3	766,81
POC093	NM 40/16B/B	4	860,15
POC094	NM 40/16A/C	5,5	1.004,87
POC095	NM 40/20D/B	5,5	1.061,74
POC096	NM 40/20C/B	5,5	1.061,74
POC097	NM 40/20B/A	7,5	1.444,86
POC098	NM 40/20A/A	10	1.569,73

Code	Type	HP	€
POC106	NM 50/16B/B	7,5	1.416,16
POC107	NM 50/16A/B	10	1.534,35
POC108	NM 50/20B/C	12,5	2.146,32
POC109	NM 50/20A/C	15	2.388,46
POC110	NM 50/20S/C	20	2.681,60
POC111	NM 50/25C/C	15	2.632,82
POC112	NM 50/25B/C	20	2.923,34
POC113	NM 50/25A/C	25	3.574,53

Code	Type	HP	€
POC114	NM 65/12E/C	5,5	1.103,56
POC115	NM 65/12C/B	7,5	1.495,68
POC116	NM 65/12A/B	10	1.609,43
POC117	NM 65/16D/B	10	1.631,54
POC119	NM 65/16B/C	15	2.400,15
POC121	NM 65/16A/B	20	2.692,50
POC122	NM 65/20C/C	20	2.803,99
POC123	NM 65/20B/C	25	3.447,14



> MXV-B - Three-phase - Threaded



Model	Thread F/F	
	Input	Output
MXV-B 25	1"	1"
MXV-B 32	1"¼	1"¼
MXV-B 40	1"½	1"½
MXV-B 50	2"	2"

Code	Type	HP	€
POC251	MXV-B 25-204	1	909,48
POC254	MXV-B 25-207/A	1,5	1.045,16
POC256	MXV-B 25-210/A	2	1.164,94
POC259	MXV-B 32-405/A	1,5	973,08
POC261	MXV-B 32-407/A	2	1.066,36
POC263	MXV-B 32-410/B	3	1.191,44
POC264	MXV-B 40-803/A	1,5	967,78
POC265	MXV-B 40-804/A	2	997,46
POC267	MXV-B 40-806/B	3	1.109,82
POC269	MXV-B 40-808/A	4	1.336,66
POC270	MXV-B 40-810/B	5	1.528,52

DESCRIPTION

Specifics

- Multi-stage close coupled
- Vertical axis
- In line in/out
- Flow-rate: 17 ÷ 217 l/m
- Head up: 109 ÷ 15,5 mH2O
- Ports: threaded
- Power supply: 400 V 50 Hz
- Protection degree: IP 54
- Pump body maximum pressure: 16 bar
- Continuous service

Materials

- Pump body and cap: AISI 304 stainless steel
- Impeller: AISI 304 stainless steel
- Shaft: AISI 303 stainless steel

Electric Pumps > Horizontal Multi-Stage Close Coupled

> MXH - Threaded



THREE-PHASE 230/400 V

Code	Type	HP	€
POC155	MXH 402/E	0,6	343,19
POC156	MXH 403/A	0,75	463,69
POC157	MXH 404/B	1	502,51
POC158	MXH 405/C	1,5	596,49
POC159	MXH 406/A	2	716,84

SINGLE-PHASE 230 V

Code	Type	HP	€
POC165	MXHM 402/E	0,6	343,19
POC166	MXHM 403/A	0,75	463,69
POC167	MXHM 404/A	1	502,51
POC168	MXHM 405	1,5	694,55
POC169	MXHM 406	2	771,71

DESCRIPTION

Specifics

- Multi-stage close coupled
- Flow-rate: 38 ÷ 133 l/m
- Head up: 68,5 ÷ 6 mH2O
- Ports: threaded PN10 - in/out Ø 1"
- Power supply: 400 V 50 Hz
- 220 V 50 Hz
- Protection degree: IP 54
- Pump body maximum pressure: 8 bar
- Continuous service

Materials

- Pump body and cap: AISI 304 stainless steel
- Impeller: AISI 304 stainless steel
- Shaft: AISI 303 stainless steel

> MXP - Threaded



THREE-PHASE 230/400 V

Code	Type	HP	€
POC178	MXP 402	0,6	294,92
POC179	MXP 403/A	0,75	337,81
POC180	MXP 404/B	1	375,32
POC181	MXP 405	1,5	457,82

SINGLE-PHASE 230 V

Code	Type	HP	€
POC186	MXPM 402	0,6	294,92
POC187	MXPM 403/A	0,75	337,81
POC188	MXPM 404/A	1	375,32
POC189	MXPM 405	1,5	457,82

DESCRIPTION

Specifics

- Multi-stage close coupled
- Flow-rate: 38 ÷ 120 l/m
- Head up: 56 ÷ 5 mH2O
- Ports: threaded PN10 - in/out Ø 1"
- Power supply: 400 V 50 Hz
- 220 V 50 Hz
- Protection degree: IP 54
- Pump body maximum pressure: 8 bar
- Continuous service

Materials

- Pump body and cap: AISI 304 stainless steel
- Impeller: PPO-GF20 (Norly)
- Shaft: AISI 430 stainless steel

> MGP - Threaded



THREE-PHASE 230/400 V

Code	Type	HP	€
POC194	MGP 402	0,6	251,28
POC195	MGP 403	0,75	294,02
POC196	MGP 404/A	1	332,29
POC197	MGP 405	1,5	413,52

SINGLE-PHASE 230 V

Code	Type	HP	€
POC202	MGPM 402	0,6	251,28
POC203	MGPM 403	0,75	294,02
POC204	MGPM 404	1	332,29
POC205	MGPM 405	1,5	413,52

DESCRIPTION

Specifics

- Multi-stage close coupled
- Flow-rate: 38 ÷ 120 l/m
- Head up: 56 ÷ 5 mH2O
- Ports: threaded PN10 - in/out Ø 1"
- Power supply: 400 V 50 Hz (220 V 50 Hz on request)
- Protection degree: IP 54
- Pump body maximum pressure: 8 bar
- Continuous service

Materials

- Pump body: cast iron
- Pump cap: AISI 304 stainless steel
- Impeller: PPO-GF20 (Norly)
- Shaft: AISI 430 stainless steel

Electric Pumps > Self-Priming

> NGX - Threaded



THREE-PHASE 230/400 V

Code	Type	HP	€
POC210	NGX 2/80	0,75	231,57
POC211	NGX 3/100	0,9	274,39
POC212	NGX 4/110	1	295,81
POC213	NGX 4/16	1,5	469,64
POC219	NGX 6/18/A	2	598,32

SINGLE-PHASE 230 V

Code	Type	HP	€
POC221	NGXM 2/80	0,75	231,57
POC222	NGXM 3/100	0,9	274,39
POC223	NGXM 4/110	1	295,81
POC224	NGXM 4/16	1,5	469,64
POC230	NGXM 6/18	2	598,32

DESCRIPTION

Specifics

- Self-priming close coupled
- Built-in ejector
- Flow-rate: 5 ÷ 100 l/m
- Head up: 58 ÷ 19,1 mH2O
- Ports: threaded PN10 - in/out Ø 1"
- Power supply: 400 V 50 Hz 220 V 50 Hz
- Protection degree: IP 54
- Pump body maximum pressure: 8 bar
- Continuous service

Materials

- Pump body and cap: AISI 304 stainless steel
- Impeller: brass
- Shaft: AISI 430 stainless steel
- Diffusor/ejector: PPOGF20 (Norly)

> NGL - Threaded



THREE-PHASE 230/400 V

Code	Type	HP	€
POC231	NGL 2/80	0,75	215,50
POC232	NGL 3/100	0,9	258,33
POC234	NGL 4/110	1	279,76

SINGLE-PHASE 230 V

Code	Type	HP	€
POC235	NGLM 2/80	0,75	215,50
POC236	NGLM 3/100	0,9	258,33
POC238	NGLM 4/110	1	279,76

DESCRIPTION

Specifics

- Self-priming close coupled
- Built-in ejector
- Flow-rate: 5 ÷ 75 l/m
- Head up: 41,6 ÷ 19,1 mH2O
- Ports: threaded PN10 - in/out Ø 1"
- Power supply: 400 V 50 Hz 220 V 50
- Protection degree: IP 54
- Pump body maximum pressure: 8 bar
- Continuous service

Materials

- Pump body: cast iron
- Pump cap: AISI 304 stainless steel
- Impeller: brass
- Shaft: AISI 430 stainless steel
- Diffusor/ejector: PPOGF20 (Norly)



> GM10 - Submersible



Code	Type	HP	€
POC290	GM10	0,40	240,43

DESCRIPTION

Specifics

- Submersible drainage pump
- Power supply: 230 V 50 Hz
- Supplied with 5 mt neoprene cable H07-RN-F and Shuko plug
- Ports: threaded - out Ø 1"½
- With on/off float
- B class insulation
- Housing well: 350 x 350 h 300 mm
- Flow-rate: 0 ÷ 200 l/m
- Head up: 7,5 ÷ 2,2 mH2O
- Immersion depth max: 5 mt

Materials

- Pump body, motor casing, suction filter: tecnopolymer
- Impeller Noryl
- Shaft in AISI 430 stainless steel

> GXR - Submersible



THREE-PHASE 230/400 V

Code	Type	HP	€
POC293	GXR 9	0,33	269,03
POC294	GXR 11	0,5	316,12
POC295	GXR 13	0,6	348,03

SINGLE-PHASE 230 V

Code	Type	HP	€
POC296	GXRM 9	0,33	269,03
POC297	GXRM 11	0,5	316,12
POC298	GXRM 13	0,6	348,03

DESCRIPTION

Specifics

- Submersible open single-impeller pump
- Flow-rate: 20 ÷ 220 l/m
- Head up: 11,7 ÷ 1,7 mH2O
- Ports: threaded - out Ø 1"¼
- Power supply: 400 V 50 Hz 220 V 50 Hz
- Protection degree: IP X8
- With on/off float
- Immersion depth max: 5 mt
- Emptying minimum level: by float: 70 mm manual: 15 mm
- Supplied with 5 mt neoprene cable H07-RN-F and Shuko plug
- Continuous service

Materials

- Pump body and cap: AISI 304 stainless steel
- Impeller: AISI 304
- Shaft: AISI 303 stainless steel

> GXR12 - Submersible



THREE-PHASE 230/400 V

Code	Type	HP	€
POC301	GXR 12-12	0,75	640,35
POC302	GXR 12-14	1	765,64
POC304	GXR 12-18	1,5	918,78
POC305	GXR 12-20	2	1.016,22

SINGLE-PHASE 230 V

Code	Type	HP	€
POC307	GXRM 12-12	0,75	640,35
POC308	GXRM 12-14	1	765,84
POC310	GXRM 12-18	1,5	918,76
POC311	GXRM 12-20	2	1.127,16

DESCRIPTION

Specifics

- Submersible with open single-impeller
- Flow-rate: 50 ÷ 500 l/m
- Head up: 19,2 ÷ 3,2 mH2O
- Ports: threaded PN10 - out Ø 1"½
- Power supply: 400 V 50 Hz 220 V 50 Hz
- Protection degree: IP X8
- Immersion depth max: 5 mt
- Emptying minimum level: by float: 70 mm manual: 15 mm
- Supplied with 5 mt neoprene cable H07-RN-F and Shuko plug
- Continuous service

Materials

- Pump body and cap: AISI 304 stainless steel
- Impeller: AISI 304
- Shaft: AISI 304 stainless steel

> GQR10 - Submersible - Threaded



Code	Type	HP	€
POC316	GQR 10-12	0,75	450,14
POC317	GQR 10-14	1	466,76
POC319	GQR 10-18	1,5	557,06
POC320	GQR 10-20	2	572,10

DESCRIPTION

Specifics

- Single impeller submersible with open impeller
- Flow-rate: 50 ÷ 500 l/m
- Head up: 20 ÷ 1,5 mH2O
- Ports: threaded - out Ø 1"½
- Power supply: 400 V 50 Hz
- Protection degree: IP X8
- Immersion depth max: 5 mt
- Immersion depth min: 205 mm
- Supplied with 10 mt neoprene cable H07-RN-F and Shuko plug
- Continuous service

Materials

- Pump body: cast iron
- Pump cap: AISI 304 stainless steel
- Impeller: cast iron
- Shaft: AISI 304 stainless steel

> GQR12 - Submersible - Threaded - with Float



Code	Type	HP	€
POC377	GQRM 10-12	0,75	450,14
POC378	GQRM 10-14	1	466,73
POC379	GQRM 10-18	1,5	557,06
POC380	GQRM 10-20	2	643,06

DESCRIPTION

Specifics

- Single impeller submersible with open impeller
- Flow-rate: 50 ÷ 500 l/m
- Head up: 20 ÷ 1,5 mH2O
- Ports: threaded - out Ø 1"½
- Power supply: 230 V 50 Hz
- Protection degree: IP X8
- Immersion depth max: 5 mt
- Immersion depth min: 205 mm
- Supplied with 10 mt neoprene cable H07-RN-F and Shuko plug
- With float on/off
- Continuous service

Materials

- Pump body: cast iron
- Pump cap: AISI 304 stainless steel
- Impeller: cast iron
- Shaft: AISI 304 stainless steel

> GQG - Submersible - Grinder



Code	Type	HP	€
POC330	GQG 6-18 CG	1,2	929,12
POC331	GQG 6-21 CG	1,5	986,64
POC332	GQG 6-25 CG	2	1.287,59

DESCRIPTION

Specifics

- Submersible pump with high power grinder
- Flow-rate: 50 ÷ 280 l/m
- Head up: 25 ÷ 4 mH2O
- Ports: OUT - threaded Ø 1"½ - flanged DN32
- Power supply: 400 V 50 Hz
- Protection degree: IP X8
- Immersion depth max: 5 mt
- Immersion depth min: 300 mm

Materials

- Pump body and cap: cast iron
- Rotation cutting blade/fixed: 440C
- Motor jacket: AISI 304 stainless steel
- Impeller: cast iron
- Shaft: AISI 303/430 stainless steel

> GQG - Submersible - Grinder - with Float



Code	Type	HP	€
POC333	GQGM 6-18 CG	1,2	817,28
POC334	GXRM 6-21 CG	1,5	874,64
POC335	GXRM 6-25 CG	2	1.175,73

DESCRIPTION

Specifics

- Submersible pump with high power grinder
- Flow-rate: 50 ÷ 280 l/m
- Head up: 25 ÷ 4 mH2O
- Ports: out - threaded out Ø 1"½ - flanged DN32
- Power supply: 230 V 50 Hz
- Protection degree: IP X8
- Immersion depth max: 5 mt
- Immersion depth min: 300 mm
- On/off float
- Control panel with start capacitors

Materials

- Pump body and cap: cast iron
- Rotation cutting blade/fixed: 440C
- Motor jacket: AISI 304 stainless steel
- Impeller: cast iron
- Shaft: AISI 303/430 stainless steel



> Fixed Speed System with 2 MXP



DESCRIPTION

- Fixed speed pressurization system composed by 2 horizontal pumps
- Complete with ball valve, non-return valve in suction and ball valve in intake, pressure gauges, adjustable differential pressure switches, stainless steel manifolds
- Microprocessor based electric panel for fixed speed pumps

Specifics

- Flow-rate: 220/230 l/m
- Ports: threaded - in 2"/out Ø 1 1/2"
- Power supply: 400 V 50 Hz
- Continuous service
- Other features as per specifics for the installed pump
- Dimensions: L x P x H: 625 x 793 x 840 mm
- Optional: 20 l cylindrical tanks

THREE-PHASE 230/400 V

Code	Type	HP	€
SGP123	BS2F 2x MXP 403/A	0,75 + 0,75	2.304,20
SGP124	BS2F 2x MXP 404/B	1 + 1	2.356,91
SGP125	BS2F 2x MXP 405	1,5 + 1,5	2.521,90

SINGLE-PHASE 230 V

Code	Type	HP	€
SGP133	BS2F 2x MXPM 403/A	0,75 + 0,75	2.041,81
SGP134	BS2F 2x MXPM 404/B	1 + 1	2.094,51
SGP135	BS2F 2x MXPM 405	1,5 + 1,5	2.259,51

> Fixed Speed System with 2 MXP-B - Threaded



DESCRIPTION

- Fixed speed pressurization system composed by 2 multi-stage vertical pumps
- Complete with ball valve, non-return valve in suction and ball valve in intake, pressure gauges, adjustable differential pressure switches, stainless steel manifolds
- Microprocessor based electric panel for fixed speed pumps

Specifics

- Flow-rate: 435 l/m
- Ports: threaded - in 2 1/2"/out Ø 2 1/2"
- Power supply: 400 V 50 hz
- Continuous service
- Other features as per specifics for the installed pump
- Dimensions: L x P x H - 820 x 705 x 875 mm
- Optional: 20 l cylindrical tanks

Code	Type	HP	€
SGP252	BS2F 2x MXV-B 40-804/A	2 + 2	4.033,61
SGP254	BS2F 2x MXV-B 40-806/B	3 + 3	4.154,13
SGP256	BS2F 2x MXV-B 40-808/A	4 + 4	4.597,50



> Single Impeller

DESCRIPTION

- Single-stage centrifugal pump, with a medium - low gear
- Horizontal single stage scroll
- Axial inlet and radially adjustable outlet

Specifics

- Flanged ports
- Impeller standard: E type

Working range:

- Flow-rate: 600 ÷ 4000 l/m
- Pressure: 123 m.c.a a 25 m.c.a
- Power: 21,7 ÷ 91,5 Hp

Materials

- Pump body - gearbox: cast iron
- Impeller: cast iron
- Shaft-gears-pinion: steel

Cardan vertical pumps
available on request

Code	Mod.	Suction	Intake	Round/P.F. ratio	€
POR302	T3-80A	80	65	547 x 5,85	3.624,48
POR303	T3-100A	100	80	545 x 5,85	3.410,64
POR310	T4-100	100	80	540 X 5,93	5.172,12
POR307	T4-125	125	100	550 X 5,47	4.673,16

> Pumps with Overgear Accessories

Code	Model	Installable pump	€	
ZVR202	Pump cart	CT-2/CT-3	POR302 - POR303	1.195,56
ZVR227	Pump cart	CT-4	POR310 - POR307	1.310,04
PAM001	Membrane priming pump			320,00



> Pump Support

Code	Description	€	
ZVR024	Support for pumps with 3 drilled points with bearing for suction tube and winch for lifting the tube	2.760,00	



> Tanks

HORIZONTAL TANKS

Code	Type	Cap. liters	€	
OSB100	CON 300	300	301,30	
OSB105	CON 2000	2.000	1.174,00	
OSB110	CON 3000	3.000	1.723,20	
OSB115	CON 5000	5.000	2.477,20	
OSB116	CON 10000	10.000	9.145,70	

PANETTONE TANKS

Code	Type	Cap. liters	€	
OSB753	PAN 2000	2.050	990,20	
OSB754	PAN 3000	3.050	1.233,20	
OSB755	PAN 5000	4.950	1.992,50	

VERTICAL TANKS

Code	Type	Cap. liters	€	
OSB400	NSV 100	100	231,60	
OSB401	NSV 300	300	255,80	
OSB407	NSV 3000	3.000	1.297,80	
OSB408	NSV 4000	4.000	1.830,90	

GAS THREADED TANK FITTINGS

Code	Type	Tank fitting	Gas thread	€	
RAT100	Tanks adapter	S60 x 6 (60 mm, ridge distance 6 mm)	1" M	19,00	
RAT101	Tanks adapter	S60 x 6 (60 mm, ridge distance 6 mm)	1" F	19,00	

UNDERGROUND TANKS

Code	Type	Cap. liters	€	
OSB842	INVSV1500	1.360	1.257,00	
OSB844	INVSV 3000	3.107	2.430,00	
OSB845	INVSV 4000	4.200	2.961,80	
OSB847	INVSV 5000	5.110	3.581,10	
OSB848	INVSV 6000	5.983	4.577,30	
OSB849	INVSV 10000	10.000	6.730,30	
OSB830	INCON 2000	1.950	2.046,30	
OSB831	INCON 3000	2.970	2.854,10	

SNAKE LARGE VOLUMES TANKS

Code	Type	Cap. liters	€	
OSB870	INSM 10.000	10.000	8.831,40	
OSB871	INSM 15.000	15.000	13.731,70	
OSB872	INSM 20.000	20.000	18.298,50	
OSB873	INSM 30.000	30.000	26.386,30	
OSB874	INSM 40.000	40.000	36.321,60	
OSB875	INSM 50.000	50.000	48.550,80	

MIX TANKS

Code	Type	Cap. liters	€	
OSB889	MIX120	120	168,00	
OSB990	MIX325	325	321,00	
OSB991	MIX550	550	480,00	
OSB992	MIX1070	1.070	938,00	

Note: other models with different dimensions/capacity available on request



Hansen tank fittings see page 182



Accessories >

> SA Series - 230 V - Single-phase - for Submersible Electro Pumps



DESCRIPTION

Application

- 230 V single-phase motors

Features

- Wall box, motor start 0,5/2Hp
- Protection degree: IP 50

Specifics

- 1 output for pressure/switch-float switch
- Running capacitor
- Thermic protection

Materials

- Thermoplastic box complete with cable gland

Code	Type	Description	Ø pump	Amp. protection	Capacitor µF	€
ESA001	SA 0,50 4A 16	Starting box SA-0,5 4A-16mF	4"	4	16	70,10
ESA010	SA 0,75 6A 20	Starting box SA-0,75 6A-20mF	4"	6	20	70,10
ESA020	SA 1,00 8A 25	Starting box SA-1,00 8A-25mF	4"	8	25	70,10
ESA053	SA 1,50 12A 35	Starting box SA-1,5 12A-35mF	4"	12	35	72,10
ESA040	SA 2,00 16A 40	Starting box SA-2,0 16A-40mF	4"	16	40	74,00
ESA054	SA 0,75 6A 16	Starting box SA-0,75 6A-16mF	5"	6	16	70,10
ESA055	SA 1,00 8A 20	Starting box SA-1,00 8A-20mF	5"	8	20	70,10
ESA056	SA 1,00 10A 30	Starting box SA-1,00 10A-30mF	5"	10	30	70,10
ESA057	SA 1,50 10A 30	Starting box SA-1,50 10A-30mF	5"	10	30	70,10
ESA058	SA 2,00 14A 35	Starting box SA-2,0 14A-35mF	5"	14	35	72,10

> EQE Series - 230 V Electromechanical Panel



DESCRIPTION

Application

- 230 V single-phase motors

Features

- Wall box
- Motors starting: 0,5 ÷ 3 Hp
- Protection degree: IP 55

Specifics

- Pump protection against dry running (probes excluded)
- Running capacitor (predisposition)
- Command by control unit
- Primary and secondary circuits protection fuses
- Thermic protection
- Amperometrical adjustable protection

Materials

- Thermoplastic box complete with cable gland

H VERSION (PUMP PROTECTION + AUTOMATIC COMMAND FROM CONTROL UNIT + MAKE UP VALVE)			F VERSION (+ AQUEDUCT EV ACTIVATION WHEN NO WATER IN THE TANK)		
Code	HP	€	Code	HP	€
EQEM-H/M1	1	1.116,00	EQEM-F/M1	1	792,00
EQEM-H/M1,5	1,5	1.116,00	EQEM-F/M1,5	1,5	792,00
EQEM-H/M2	2	1.166,40	EQEM-F/M2	2	792,00



> EQE Series - 400 V Electromechanical Panel



DESCRIPTION

Application

- 400 V three-phase motors starting

Features

- Wall box
- Motors starting: 3 ÷ 25 Hp 400 V
- Protection degree: IP 55

Specifics

- Pump protection
- Commend by control unit
- Automatic make up
- Protection from the minimum pressure
- Thermic protection
- Running capacitor (predisposition)
- Primary and secondary circuits protection fuses
- Alarm outputs
- Amperometric adjustable protection
- Dry running protection

Materials

- Thermoplastic box complete with cable gland

G VERSION (PUMP PROT. + AUTOMAT. COMM. FROM CONTR. UNIT LEVEL RELAY)

Code	Type	HP	Power supply	€
EQEM-G/T3	EQET3	3	400 V 50 Hz	942,00
EQEM-G/T4	EQET4	4	400 V 50 Hz	942,00
EQEM-G/T5.5	EQET5.5	5,5	400 V 50 Hz	942,00
EQEM-G/T7.5	EQET7.5	7,5	400 V 50 Hz	976,80
EQEM-G/T10	EQET10	10	400 V 50 Hz	976,80
EQEM-G/T12.5	EQET12.5	12,5	400 V 50 Hz	1.008,00
EQEM-G/T15	EQET15	15	400 V 50 Hz	1.314,00
EQEM-G/T25	EQET25	25	400 V 50 Hz	1.710,00

GMP VERSION (G VERSION + MINIMUM PRESSURE PROTECTION)

Code	Type	HP	Power supply	€
EQEM-G/MPT3	EQET3	3	400 V 50 Hz	1.440,00
EQEM-G/MPT4	EQET4	4	400 V 50 Hz	1.440,00
EQEM-G/MPT5.5	EQET5.5	5,5	400 V 50 Hz	1.440,00
EQEM-G/MPT7.5	EQET7.5	7,5	400 V 50 Hz	1.504,80
EQEM-G/MPT10	EQET10	10	400 V 50 Hz	1.548,00
EQEM-G/MPT12.5	EQET12.5	12,5	400 V 50 Hz	1.548,00
EQEM-G/MPT15	EQET15	15	400 V 50 Hz	1.548,00
EQEM-G/MPT25	EQET25	25	400 V 50 Hz	1.908,00

H VERSION (G VERSION + AUTOMATIC MAKE UP)

Code	Type	HP	Power supply	€
EQEM-H/T3	EQET3	3	400 V 50 Hz	1.058,00
EQEM-H/T4	EQET4	4	400 V 50 Hz	1.058,00
EQEM-H/T5.5	EQET5.5	5,5	400 V 50 Hz	1.058,00
EQEM-H/T7.5	EQET7.5	7,5	400 V 50 Hz	1.296,00
EQEM-H/T10	EQET10	10	400 V 50 Hz	1.296,00
EQEM-H/T12.5	EQET12.5	12,5	400 V 50 Hz	1.332,00
EQEM-H/T15	EQET15	15	400 V 50 Hz	1.332,00
EQEM-H/T25	EQET25	25	400 V 50 Hz	1.926,00

HMP VERSION (H VERSION + MINIMUM PRESSURE PROTECTION)

Code	Type	HP	Power supply	€
EQEM-H/MPT3	EQET3	3	400 V 50 Hz	2.124,00
EQEM-H/MPT4	EQET4	4	400 V 50 Hz	2.124,00
EQEM-H/MPT5.5	EQET5.5	5,5	400 V 50 Hz	2.124,00
EQEM-H/MPT7.5	EQET7.5	7,5	400 V 50 Hz	2.199,60
EQEM-H/MPT10	EQET10	10	400 V 50 Hz	2.250,00
EQEM-H/MPT12.5	EQET12.5	12,5	400 V 50 Hz	2.250,00
EQEM-H/MPT15	EQET15	15	400 V 50 Hz	2.268,00



> EQE E Series - SIMPLEX Electronic Panel



DESCRIPTION

Application

- 220 V single-phase motor and 400 V three-phase motor

Features

- Wall box
- Motors starting: single-phase 0,5 ÷ 3 hP
three-phase 0,75 ÷ 20 hP
- Auto-0-manual button
- Network/auto/running light
- Level/overvoltage alarm
- Protection degree: IP 55
- Running capacitor (predisposition)

Specifics

- Protection fuse
- Input: float/motor command pressure switch
- Input: float/pressure switch alarm
- Motor output: relays (single-phase) meter (three-phase)
- Input for 3 bipolar probes
- Filling/emptying selector
- Probes sensitivity regulator
- Motor adjustable protection – intervention time 5"

Materials

- ABS box

Code	Type	HP	Power supply	€
EQE520	S-UP-M/3HP	3	220 V 50 HZ	315,40
EQE526	S-UP-T/10HP	10	400 V 50 HZ	411,80
EQE525	S-UP-T/15HP	15	400 V 50 HZ	457,30
EQE529	S-UP-T/20HP	20	400 V 50 HZ	557,20

> EQE E Series - DUPLEX Electronic Panel



DESCRIPTION

Application

- 220 V single-phase motors and 400 V three-phase motors

Features

- Wall box
- Motors starting: single-phase 0,5 ÷ 3 hP
three-phase 0,75 ÷ 20 hP
- Auto-0-manual button
- Network/auto/running light
- Level/overvoltage alarm
- Protection degree: IP 55
- Running capacitor (predisposition)

Specifics

- Motors alternation can be excluded
- 1 input for minimum level stop command
- 2 relays/meters
- Protection fuse
- 2 Inputs: float/motor command pressure switch
- Input: float/pressure switch alarm
- Motor output: relays (single-phase) meter (three-phase)
- Motor adjustable protection – intervention time 5"

Materials

- ABS box

Code	Type	HP	Power supply	€
EQE522	D-UP-M/3HP	3	220 V 50 HZ	380,20
EQE532	D-UP-T/10HP	10	400 V 50 HZ	569,50
EQE541	D-UP-T/15HP	15	400 V 50 HZ	1.219,50
EQE542	D-UP-T/20HP	20	400 V 50 HZ	1.294,60



> EQE E Series - DOMINO Electronic Panel



DESCRIPTION

Application

- 220 V single-phase motor and 400 V three-phase motor

Features

- Wall box
- Motors starting: single-phase 0,5 ÷ 3 hP
three-phase 0,75 ÷ 20 hP
- Auto-0-manual button
- Auto/running light
- Level/overvoltage alarm
- Protection degree: IP 55
- Running capacitor (predisposition)

Specifics

- Protection fuse
- 1 Input: pressure switch/float
- Motor output: relays (single-phase) meter (three-phase)
- Motor adjustable protection-intervention time 5"
- Operativity parameters visualization
- Protections recovery button
- Min/max voltage protection
- Motor data self-learning

Materials

- ABS box

Code	Type	HP	Power supply	€
EQE590	DO-UP-M/3HP	3	220 V 50 HZ	424,00
EQE591	DO-UP-T/10HP	10	400 V 50 HZ	506,40
EQE592	DO-UP-T/15HP	15	400 V 50 HZ	578,20
EQE593	DO-UP-T/20HP	20	400 V 50 HZ	648,30

> Electronic Panels Accessories

Code	Description	€
KRL001	Preamsembled kit: pump command mini relay - 24 V AC for Simplex - Domino - Duplex panel	102,00
Add to the price while placing order of the electrical panel command		

> Submersible Pumps Neoprene Electric Cables - H07 RN_F

Code	Type	Voltage	€
CVN001	3 x 1 mm ²	230V M	4,60
CVN002	3 x 1,5 mm ²	230V M	5,50
CVN003	3 x 2,5 mm ²	230V M	7,80
CVN016	4 x 1,0 mm ²	400V T	5,70
CVN012	4 x 1,5 mm ²	400V T	6,80
CVN010	4 x 2,5 mm ²	400V T	9,80
CVN008	4 x 4,0 mm ²	400V T	13,80
CVN011	4 x 6,0 mm ²	400V T	19,30
CVN019	4 x 10,0 mm ²	400V T	32,70
CVN023	4 x 16,0 mm ²	400V T	47,40
CVN017	4 x 25,0 mm ²	400V T	71,20



> Electric Cables Watertight Joints

Code	Description	Specifics mm ²	€
EKIT001	Joint kit	4 X 1 - 2,5	40,92
EKIT003	Joint kit	4 X 4 - 6	51,94
EKIT007	Joint kit	4 X 4 - 16	74,20
GIUNTA8	Watertight assembled joint	4 x 1	92,80
GIUNTA7	Watertight assembled joint	4 x 1,5	92,80
GIUNTA9	Watertight assembled joint	4 x 2,5	92,80
GIUNTA10	Watertight assembled joint	4 x 4	105,60
GIUNTA11	Watertight assembled joint	4 x 6	147,40
GIUNTA12	Watertight assembled joint	4 x 10	147,40
GIUNTA13	Watertight assembled joint	4 x 16	210,00
GIUNTA14	Watertight assembled joint	4 x 25	304,00



Watertight joints for different cable diameters available on request



Accessories >

> Emotron Series Inverter

Code	Kw	Hp	Amp	€	
EIV050	0,75	1	2,50	1.432,50	
EIV051	1,5	2	4,00	1.501,90	
EIV052	2,2	3	6,00	1.765,50	
EIV053	3	3	7,50	1.836,20	
EIV054	4	5	9,50	1.912,70	
EIV055	5,5	7,5	10,00	2.017,40	
EIV056	7,5	10	18,00	2.243,40	
EIV057	11	15	26,00	2.777,80	
EIV058	15	20	31,00	3.348,60	
EIV059	18,5	25	37,00	3.977,10	
EIV060	22	30	46,00	4.438,50	
EIV061	30	40	61,00	5.766,20	
EIV062	37	50	74,00	6.785,50	
EIV063	45	60	90,00	9.051,20	

> Vacon Series 100 Flow Inverter

Code	Kw	Hp	€	
EIV214	1,1	1,5	1.730,20	
EIV215	1,5	2,0	1.867,20	
EIV216	2,2	3,0	2.003,40	
EIV205	3,0	4,0	2.186,80	
EIV217	4,0	5,0	2.428,20	
EIV203	5,5	7,5	2.721,70	
EIV207	7,5	10,0	3.220,70	
EIV208	11,0	15,0	3.896,70	
EIV218	15,0	20,0	4.654,10	
EIV219	18,5	25,0	5.457,30	
EIV220	22,0	30,0	6.243,30	
EVR309	MBS 3000 pressure transducer - 0 ÷ 6 bar		379,70	
EVR302	MBS 3000 pressure transducer - 0 ÷ 16 bar		379,70	
EVR317	MBS 1900 pressure transducer - 0 ÷ 10 bar		216,10	
EVR318	MBS 1900 pressure transducer - 0 ÷ 16 bar		216,10	

It is recommended to define inverters with a higher power class than required for better performance over time

> Press. and Flow Control Systems > Coelbo Inverter Series

Code	Type	€	
EPS175	Flowsystem	131,50	

Code	Type	Control pressure setting	€	
EPS100	Presscontrol	1,2	127,60	
EPS101	Presscontrol	2,2	130,90	
EPS102	Presscontrol	3,0	134,20	
EPS105	Presscontrol	2,2 automatic reset	140,80	

Code	Type	Working pressure bar	€	
EPS002	SFSG 2 bipolar pressure switch	1,4 ÷ 2,8	25,30	
EPS003	SFYG 22 bipolar pressure switch	2,8 ÷ 10	51,70	

Code	Type	€	
EPS006	Wired pressure switch, with 0,5 mt H05RN-F cable with forks and PS9C Shuko plug	26,00	

Code	Type	€	
KRA050	T-KIT 3-way Ø1" with pressure gauge and non-return valve	32,00	



Code	Description	€	
EIV707	Inverter Speedbox sub 1112 mm - 1,5 Kw - 12 A	772,20	
EIV708	Inverter Speedbox 1309 tt - 3 Kw - 9A	997,70	
EIV709	Inverter Speedbox 1314 tt - 5,5 Kw - 14A	1.155,00	

EPS140	Electronic pump regulator Switchmatic 2	97,50	
EPS141	Three-phase electronic pump regulator Switchmatic 2t	194,90	
EQE420	Single-phase Switchmatic 2 electric panel	434,50	

> Inverter Sinusoidal Filters

Code	Description	€	
EVR361	DW/DT sinusoidal filters 16A 520V AC 0-100Hz 7kW	876,70	
EVR362	DW/DT sinusoidal filters 33A 520V AC 0-100Hz 16kW	1.468,40	
EVR360	DW/DT sinusoidal filters 3A 520V AC 0-100Hz 22kW	2.542,30	

Note: application is recommended for >70 mt pump/inverter distances

> Single-phase Motors Capacitors

Code	Capacitor µF	€	
ECD009	16	11,00	
ECD001	20	13,20	
ECD002	25	14,30	
ECD004	35	16,50	
ECD005	40	18,70	
ECD006	50	24,20	
ECD007	60	26,40	



> Level Control

Code	Description	€	
ESN100	Dry running control kit with 3 probes	300,00	
ESN001	Level probe	23,10	
ERL205	24 - 240V AC level relay	170,50	

Code	Description	Neoprene painted cable mt	€	
EGL011	Floating switches	2	19,80	
EGL012	Floating switches	5	25,30	
EGL013	Floating switches	10	36,30	
EGL014	Floating switches	15	42,90	
PVC coatet on request				

> Wells

Code	Description	Ø _{est}		foro	€	
		inches	mm			
RTS065	Wellhead in PVC with cable gland	3"		2"	104,20	
RTS066	Wellhead in PVC with cable gland	4"		1 1/4"	117,60	
RTS067	Wellhead in PVC with cable gland	4"		1 1/2"	117,60	
RTS068	Wellhead in PVC with cable gland	4"		2"	117,60	
RTS126	Wellhead in PVC with cable gland		100	1 1/2"	178,20	
RTS123	Wellhead in PVC with cable gland		125	2"	178,20	
RTS125	Wellhead in PVC with cable gland		125	2 1/2"	178,20	
RTS124	Wellhead in PVC with cable gland		125	3"	178,20	
RTS132	Wellhead in PVC with cable gland		140	1 1/2"	178,20	
RTS135	Wellhead in PVC with cable gland		160	1 1/4"	200,20	
RTS134	Wellhead in PVC with cable gland		160	2"	200,20	
RTS133	Wellhead in PVC with cable gland		160	3"	200,20	
RTS145	Wellhead in PVC with cable gland		180	3"	231,90	
RTS207	Wellhead in PVC with cable gland		200	1 1/2"	260,00	
RTS208	Wellhead in PVC with cable gland		200	2"	260,00	

Code	Description	Ø	€	
FFL001	Iron/wood pump support saddles	1"	60,50	
FFL010	Iron/wood pump support saddles	1 1/4"	60,50	
FFL002	Iron/wood pump support saddles	1 1/2"	60,50	
FFL003	Iron/wood pump support saddles	2"	60,50	
FFL004	Iron/wood pump support saddles	2 1/2"	86,90	
FFL005	Iron/wood pump support saddles	3"	86,90	
FFL006	Iron/wood pump support saddles	3 1/2"	86,90	
FFL007	Iron/wood pump support saddles	4"	86,90	
FFL008	Iron/wood pump support saddles	5"	86,90	
FFL009	Iron/wood pump support saddles	6"	86,90	

> Autoclaves

Vertical autoclaves with butyl (suitable for food use) interchangeable membrane - epoxy painted body (CE certification)

Code	Type	Positi.	Cap. l	€	
FID060	SZ - 24 SP		24	96,90	
PAT158	SZ - 60 VERT	Vertical	60	348,70	
PAT160	SZ - 100 VERT	Vertical	100	590,80	
PAT161	SZ - 200 VERT	Vertical	200	1.041,10	
PAT162	SZ - 300 VERT	Vertical	300	1.298,10	
PAT164	SZ - 500 VERT	Vertical	500	2.169,40	

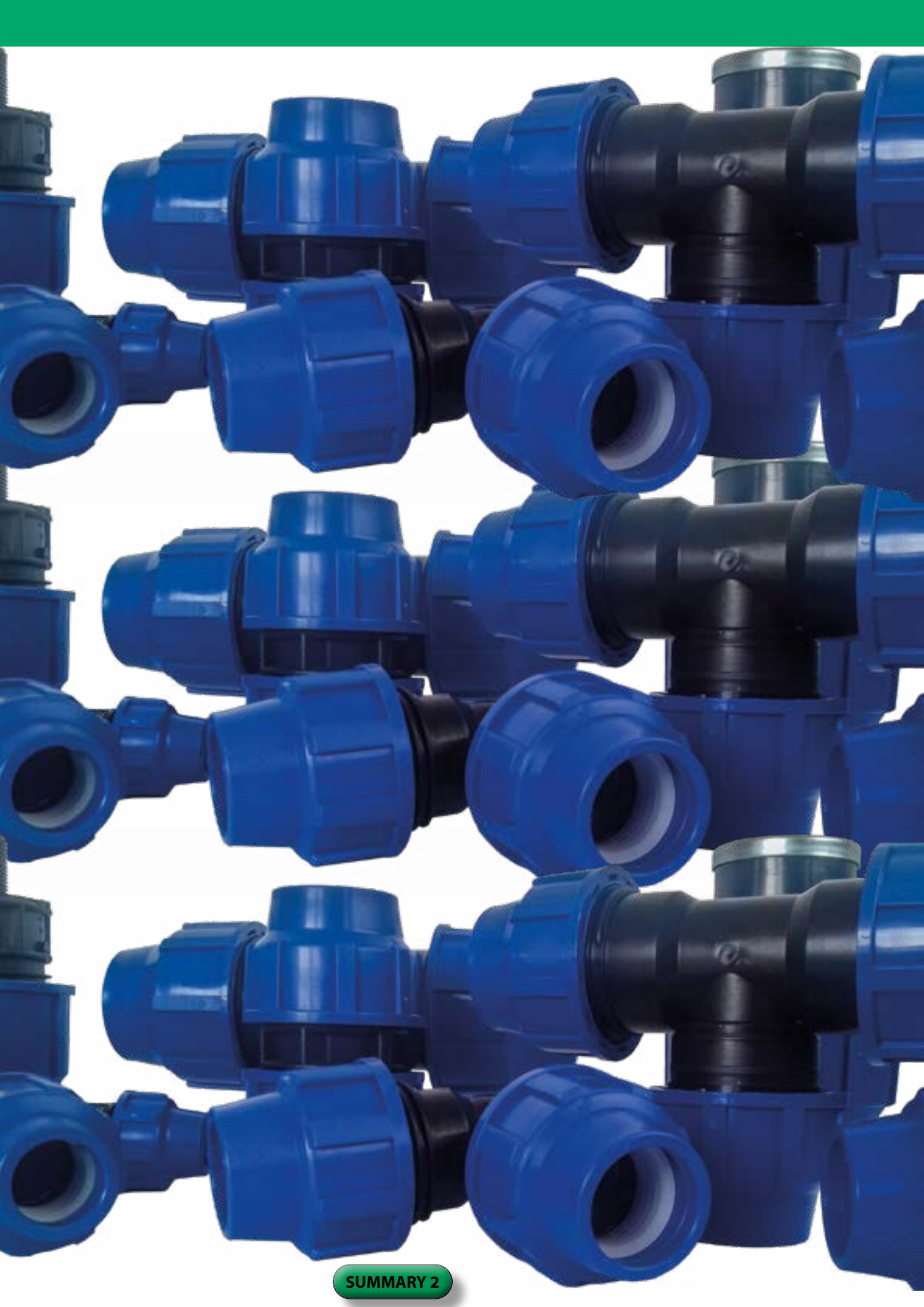
Autoclaves accessories		
Code	Description	€
PAC052	Check valve and pressure gauge kit	60,00
KRA005	1" hydraulic kit* for autoclaves	105,60
KRA004	Hydraulic kit* 1 1/2" for autoclaves	167,20

*Consisting of: galvanized fittings, pressure gauge, sectioning ball valves

Vertical autoclaves 10 bar (CE/PED, WRAS, ACS, ISO-9001, Gost, Approved by Evraz) body painted with two-component polyurethane paint on an epoxy primer

Code	Type	Positi.	Cap. l	€	
PAT176	Pressurwave	Vertical	60	393,30	
PAT177	Pressurwave	Vertical	80	485,90	
PAT174	Pressurwave	Vertical	100	612,30	
PAT178	Pressurwave	Vertical	150	808,80	
PAT179	Challenge	Vertical	200	1.280,60	
PAT180	Challenge	Vertical	250	1.600,90	
PAT181	Challenge	Vertical	300	1.874,00	
PAT168	Challenge	Vertical	450	2.495,20	
PAT192	Superflow	Vertical	500	4.109,20	





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Fittings > Heavy Dripline

BLACK fittings with safety for heavy dripline and LDPE pipe

Code	Description	Ø mm	Box	€/ea.	
RMP813	Attachment with safety ring for heavy dripline	16 x ½"M	100	0,4520	
RMP814	Attachment with safety ring for heavy dripline	16 x ¾"M	100	0,4520	
RMP169	Attachment with safety ring for heavy dripline	20 x ½"M	100	0,4730	
RMP170	Attachment with safety ring for heavy dripline	20 x ¾"M	100	0,4730	
RMP790	Elbow with safety ring for heavy dripline	16 x ½"M	100	0,6990	
RMP792	Elbow with safety ring for heavy dripline	20 x ½"M	100	0,7530	
RMP793	Tee with safety ring for heavy dripline	16 x ½"M x 16	100	0,8600	
RMP798	Tee with safety ring for heavy dripline	20 x ½"M x 20	50	0,9680	
RMP174	End of line cap with safety ring for heavy dripline	16	100	0,2650	
RMP175	End of line cap with safety ring for heavy dripline	20	100	0,2760	
RMP802	Sleeve with safety	16	100	0,1590	
RMP803	Sleeve with safety	20	100	0,1910	
RMP805	Departure from PE with safety	16	100	0,1590	
RMP806	Departure from PE with safety	20	100	0,2120	
RMP788	Elbow with hose connection safety ring	16	100	0,6450	
RMP789	Elbow with hose connection safety ring	20	100	0,7530	
RMP794	Tee with hose connection safety ring	16	100	0,8060	
RMP795	Tee with hose connection safety ring	20	50	0,9350	

Black push-in fittings for heavy dripline and PE pipe bd

Code	Description	Ø mm	Box	€/ea.	
RMP110	Threaded connection M PG	16 X ½"	100	0,1280	
RMP111	Threaded connection M PG	20 X ½"	100	0,1060	
RMP804	Departure from PE with thread	¾"	100	0,2970	
RMP115	Reduced sleeve	16 X 20	100	0,1060	
RMP807	End of line cap with ring	16	1	0,1910	
RMP808	End of line cap with ring	20	1	0,1910	

BLACK swivel fittings for heavy dripline (T-SAL DL) and LDPE pipe

Code	Description	Ø mm	Box	€/ea.	
RTT200	End-of-line cap for tube and dripline with ring nut	16	25	0,9650	
RTT201	End-of-line cap for tube and dripline with ring nut	20	25	0,9650	
RMP180	Sleeve x PE and dripline 30 ÷ 40 mils	16	500	1,3780	
RMP181	Sleeve x PE and dripline 30 ÷ 40 mils	20	350	1,5590	
RMP182	Elbow x PE and dripline 30 ÷ 40 mils	16	400	1,4310	
RMP183	Elbow x PE and dripline 30 ÷ 40 mils	20	300	1,7180	
RMP184	Tee x PE and dripline 30 ÷ 40 mils	16	250	2,0990	
RMP185	Tee x PE and dripline 30 ÷ 40 mils	20	180	2,6500	
RMP186	Fitting M x PE and dripline 30 ÷ 40 mils	16 X ½"	700	0,8910	
RMP187	Fitting M x PE and dripline 30 ÷ 40 mils	20 X ½"	500	1,0600	
RMP188	Elbow x PE and dripline 30 ÷ 40 mils	16 x ½" M	550	1,2410	
RMP189	Elbow x PE and dripline 30 ÷ 40 mils	20 x ½" M	400	1,4310	
RMP190	Tee x PE and dripline 30 ÷ 40 mils	16 x ½" M x 16	300	1,8020	
RMP191	Tee x PE and dripline 30 ÷ 40 mils	20 x ½" M x 20	240	2,0460	
RMP192	Plug x PE and dripline 30 ÷ 40 mils	16	900	0,8060	
RMP193	Plug x PE and dripline 30 ÷ 40 mils	20	600	0,9120	

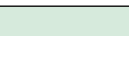
BROWN hose fittings for heavy dripline

Code	Description	Ø mm	Box	€/ea.	
RMP105	Sleeve	17	1	0,1910	
RG0152	Elbow	17	1	0,3630	
RTE055	"T" at 90 °	17	1	0,3630	
RCR001	Cross	17	1	1,2790	
RMP123	Thread connection F with 2 outputs	17 X ¾"	1	2,2690	
RMP114	Thread connection M.	17 X ¾"	1	0,4990	
RG0154	Elbow with thread connection. M.	17 X ¾"	1	0,5620	
RMP125	M threaded bifurcation	17 X ¾"	1	1,1030	
RMP150	3-way F threaded connection	17 X ¾"	1	2,2690	
RMP124	F threaded connection with 4 outlets	17 X ¾"	1	2,2690	



Fittings > Heavy Dripline

PLASSON - IRRIFIT fittings for dripline and LDPE pipe

Code	Description	Ø mm	B.	€/each	
RBGI050	Sleeve	16 X 16	10	2,08	
RBGI051	Sleeve	20 X 20	10	2,31	
RGMI050	Male fitting	16 X ½"	10	1,39	
RGMI051	Male fitting	16 X ¾"	10	1,39	
RGMI052	Male fitting	20 X ½"	10	1,52	
RGMI053	Male fitting	20 X ¾"	10	1,52	
RGOI050	Elbow with threaded derivation F	16 X ½"	10	1,90	
RGOI051	Elbow with threaded derivation F	16 X ¾"	10	1,90	
RGOI052	Elbow with threaded derivation M	16 X ½"	10	1,77	
RGOI053	Elbow with threaded derivation M	16 X ¾"	10	1,77	
RGOI049	Elbow	16	10	2,84	
RMRI001*	Reduced sleeve	20 X 16	10	2,51	
RTFI050	Tee with threaded derivation F	16 X ½" X 16	10	2,78	
RTFI051	Tee with threaded derivation F	16 X ¾" X 16	10	2,78	
RTFI052	Tee with threaded derivation F	20 X ½" X 20	10	2,91	
RTFI053	Tee with threaded derivation F	20 X ¾" X 20	10	2,91	
RTMI081	Tee with threaded derivation M	16 X ¾" X 16	10	2,90	
RTFI001	90° Tee	16	10	3,27	
RTFI002	90° Tee	20	10	4,05	
RTFI003*	90° reduced Tee	20 X 16 X 20	10	4,54	
RTFI016	90° reduced Tee	20 X 16 X 20	10	4,54	
RTFI017*	90° reduced Tee	25 X 16 X 25	10	5,93	
RTFI018*	90° reduced Tee	32 X 16 X 32	10	7,75	

*While stocks last

Accessories for dripline and pipe

Code	Description	Ø mm	Box	€/each	
RGS002	"S" support	16	1.000	0,0530	
RGS001	"S" support	20	1.000	0,0636	
RGS010	"S" support	25	500	0,1060	
RGS011	"S" support		500	0,1802	
RGS210	Spacer hook for screw mm 150	16	500	0,1590	
RGS211	Spacer hook for screw mm 150	20	500	0,1696	
RGS212	Spacer hook for screw mm 150	23-25	500	0,2332	
RGS082	Removable hook for DropClip		500	0,0848	
RGS083	Removable hook for DropClip	20	500	0,0848	
RFS050	Reusable hose clip	16/17	100	0,2968	
RTA066*	Dripline closing ring	16	500	0,1870	
RMP143*	5/3 dripline adapter for hose	16/17	100	0,5194	
RGS005	Brown hose clip spike for dripline or hose	16/17	100	0,1908	
RGS020	Black hose clip spike for dripline or hose	16/20	100	0,1802	
RGS021	Brown hose clip spike for dripline or hose	16/20	100	0,1802	
RMP127	End line for dripline	16/17	1	0,2862	
RMP128	End line for dripline	20	1	0,3710	

*While stocks last



Fittings > Light Dripline

Layflat and light dripline fittings and micro-sprinklers

Code	Description	Hole Ø on pipeline	Ø	Box	€/each	
RLF060	Start for Layflat for tape 16	14 mm	16 mm	400	0,74	
RLF050	Start for Layflat for tape 22	14 mm	22 mm	600	1,35	
RLF050-A	Start for Layflat for tape 22	16 mm	22 mm	600	1,35	
RMP624	Start PE hose for tape	7,5 mm	16 mm	800	0,44	
RMP811	Start PE hose for tape	7,5 mm	22 mm	600	0,79	
RMP611-S	Sleeve for tape		16 mm	500	0,50	
RMP650-S	Sleeve for tape		22 mm	350	0,91	
RMP650-A	Sleeve for tape		22 mm	350	1,28	
RMP620	¾" male threaded fitting for tape		¾" x 16 mm	500	0,46	
RMP630	¾" male threaded fitting for tape		¾" x 22 mm	400	0,66	
RMP639	Tee for Tape with male derivation ½"		16 x ½" M	300	1,45	
RMP640	Tee for Tape with male derivation ½"		22 x ½" M	200	2,00	
RMP641	Elbow for tape with male derivation ½"		16 x ½" M	550	1,31	
RMP642	Elbow for tape with male derivation ½"		22 x ½" M	450	1,57	
RLF001	Start layflat for pipe 10 mm	14 mm	10 mm	1.500	1,32	
RLF002	Screw cap for layflat hole ¾" Ø	14 mm		50	0,61	
RLF006	Screw cap for layflat hole ¾" Ø	19 mm		50	1,12	

T-SAL fittings

Code	Description	Hole Ø on pipeline	Ø	Box	€/each	
RLF024	Start layflat for T-SAL	14 mm	16 mm	500	0,70	
RLF025	Start layflat for T-SAL	14 mm	22 mm	400	1,29	
RLF007	Start layflat for T-SAL	19 mm	16 mm	400	1,29	
RLF008	Start layflat for T-SAL	19 mm	22 mm	350	1,34	
RMP616	Start pipe PE for T-SAL	7,5 mm	16 mm	3.200	0,38	
RMP618	Start pipe PE for T-SAL	7,5 mm	22 mm	1.600	0,45	
RMP626	Sleeve for T-SAL		16 mm	2.000	0,31	
RMP627	Sleeve for T-SAL		22 mm	1.000	0,59	
RMP777	¾" male thr. fitting x T-SAL		16 mm x ¾"	600	0,55	
RMP776	¾" male thr. fitting x T-SAL		22 mm x ¾"	500	0,80	
RMP631	Tee for T-SAL with male derivation ½"		16 x ½"	350	1,45	
RMP632	Tee for T-SAL with male derivation ½"		22 x ½"	250	2,00	
RMP637	Elbow for T-SAL with male derivation ½"		16 x ½"	700	1,31	
RMP638	Elbow for T-SAL with male derivation ½"		22 x ½"	500	1,57	
RMP597	Fine linea x T-SAL		16	100	0,40	
RMP598	Fine linea x T-SAL		22	100	0,62	

Note: ring colour shown here is purely indicative

Start fitting for Layflat

Code	Description	Hole Ø on pipeline	Ø	Box	€/each	
RLF010	Start Layflat for ¾" M	14 mm	¾"	1.000	0,93	
RLF013	Start Layflat for ¾" F	14 mm	¾"	450	0,93	
RLF009	Start Layflat for ¾" M	19 mm	¾"	1.000	1,35	
RLF014	Start Layflat for ¾" F	19 mm	¾"	400	3,88	



> Accessories and Fittings for Drippers

Code	Description	Ø mm	Box	€/each	
OAT011	Peg for pipe open	5	500	0,131	
OAT012	Peg for pipe closed	5	500	0,245	
RMP118	Straight coupling anchor/coupling	3	1.000	0,234	
RMP131	Straight coupling anchor/thread	3	1.000	0,350	
RTA065	Caps for 3 mm holes for PE BD hose		1.000	0,117	
RTE058	Tee coupling thread/thread/thread (small)		1.000	0,287	
RTE059	Tee coupling anchor/thread/thread (small)		1.000	0,329	

Code	Description	Box	€/each	
OGV010	Mini valve A mod. anchor/anchor coupling	50	0,965	
OGV011	Mini valve B mod. thread/thread coupling	50	0,965	
OGV012	Mini valve C mod. anchor/thread coupling	50	0,965	
RMP136	90° fitting for single output micro-hose	100	0,085	
RMP135	Distributor fitting with 4 outlets	100	0,516	
RMP151	Distributor fitting with 2 outlets	100	0,466	
RMP152	Fitting for polytilene pipe with distributor	100	0,096	

> Micro-Hose

Code	Use	Material	Ø _{int/est} mm	Box mt	€/mt	
OTB004	Drippers	Black PVC	5/3	200	0,573	
OTB102	Drippers	White PE	5/3	200	0,573	



Compression Fittings > Green Line



DESCRIPTION

Application

- Compression fitting for PE pipes

Specifics

- Maximum working pressure: 16 bar (Ø 90/110 reduced maximum pressure)
- Resistant to chemical products normally used in agriculture
- UV high-resistance body and rings
- O-ring hydraulic seal

Features

- Conical tightening of high resistance thanks to an internal ring of conical tapping
- Different models and diameters
- It does not affect water taste and smell

Materials

- UV resistant polypropylene
- Natural rubber o-ring

Male fitting					Female fitting					Elbow threaded deriv. Female					Elbow threaded deriv. Male				
Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.
16 x 1/2"	RGMV098	500	20	1,34	16 x 1/2"	RGFV098	500	20	1,35	16 x 1/2"	RGOV098	400	20	1,64	16 x 1/2"	RGOV117	400	20	1,67
16 x 3/4"	RGMV099	400	20	1,34	16 x 3/4"	RGFV099	400	20	1,35	16 x 3/4"	RGOV099	300	20	1,64	16 x 3/4"	RGOV118	360	20	1,67
20 x 1/2"	RGMV100	480	20	1,51	20 x 1/2"	RGFV100	500	20	1,54	20 x 1/2"	RGOV100	400	20	1,98	20 x 1/2"	RGOV119	400	20	1,67
20 x 3/4"	RGMV101	400	20	1,51	20 x 3/4"	RGFV101	400	20	1,54	20 x 3/4"	RGOV101	300	20	1,98	20 x 3/4"	RGOV145	360	20	1,73
25 x 1/2"	RGMV103	280	20	1,69	25 x 1/2"	RGFV102	240	20	1,84	25 x 1/2"	RGOV102	240	20	2,46	25 x 1/2"	RGOV146	240	20	2,05
25 x 3/4"	RGMV104	280	20	1,69	25 x 3/4"	RGFV104	280	20	1,84	25 x 3/4"	RGOV103	240	20	2,46	25 x 3/4"	RGOV125	240	20	2,07
25 x 1"	RGMV105	280	20	1,68	25 x 1"	RGFV105	240	20	1,84	25 x 1"	RGOV104	200	20	2,46	25 x 1"	RGOV126	200	20	2,15
32 x 1/2"	RGMV118	200	20	2,18	32 x 1/2"	RGFV114	200	20	2,38	32 x 1/2"	RGOV105	140	20	2,89	32 x 3/4"	RGOV128	150	15	2,77
32 x 3/4"	RGMV106	200	20	2,18	32 x 3/4"	RGFV106	200	20	2,38	32 x 3/4"	RGOV106	120	20	2,89	32 x 1"	RGOV129	120	20	2,76
32 x 1"	RGMV107	160	20	2,18	32 x 1"	RGFV107	160	20	2,38	32 x 1"	RGOV107	120	20	2,89	32 x 1 1/4"	RGOV130	100	20	2,68
32 x 1 1/4"	RGMV108	160	20	2,28	32 x 1 1/4"	RGFV108	160	20	2,64	32 x 1 1/4"	RGOV108	120	20	2,87	40 x 1"	RGOV131	60	10	4,40
40 x 3/4"	RGMV109	100	20	4,00	40 x 1"	RGFV109	105	15	3,96	40 x 1"	RGOV109	60	10	5,54	40 x 1 1/4"	RGOV132	60	10	4,40
40 x 1"	RGMV110	105	15	4,00	40 x 1 1/4"	RGFV110	90	15	3,96	40 x 1 1/4"	RGOV110	60	10	5,54	40 x 1 1/2"	RGOV133	60	10	4,39
40 x 1 1/4"	RGMV111	90	15	4,00	40 x 1 1/2"	RGFV111	90	15	4,39	50 x 1 1/2"	RGOV111	40	-	7,45	50 x 1 1/4"	RGOV134	40	-	5,93
40 x 1 1/2"	RGMV112	90	15	4,00	50 x 1 1/2"	RGFV112	60	-	5,23	63 x 2"	RGOV112	25	-	10,24	50 x 1 1/2"	RGOV135	38	-	5,92
50 x 1 1/4"	RGMV113	64	-	5,34	63 x 2"	RGFV113	35	-	7,31						50 x 2"	RGOV136	35	-	5,85
50 x 1 1/2"	RGMV114	64	-	5,34											63 x 2"	RGOV137	23	-	8,24
50 x 2"	RGMV115	62	-	5,34															
63 x 1 1/2"	RGMV116	44	-	7,49															
63 x 2"	RGMV117	44	-	7,49															

Sleeve					Tee					Elbow					End Plug				
Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.
16	RBGV000	280	20	2,04	16	RTIV099	160	20	2,76	16	RGOV000	240	20	2,12	16	RTTV000	480	20	1,47
20	RBGV001	280	20	2,42	20	RTIV100	160	20	3,30	20	RGOV001	240	20	2,50	20	RTTV001	480	20	1,71
25	RBGV002	160	20	2,97	25	RTIV101	90	15	4,34	25	RGOV002	160	20	3,09	25	RTTV002	320	20	1,88
32	RBGV003	90	15	3,80	32	RTIV102	50	10	5,83	32	RGOV003	90	15	3,82	32	RTTV003	200	20	2,31
40	RBGV004	60	10	6,38	40	RTIV103	30	5	9,59	40	RGOV004	45	5	6,83	40	RTTV004	120	20	4,00
50	RBGV005	40	-	8,69	50	RTIV104	18	-	13,02	50	RGOV005	25	-	9,35	50	RTTV005	75	-	5,79
63	RBGV006	22	-	12,27	63	RTIV105	10	-	18,54	63	RGOV006	16	-	11,82	63	RTTV006	48	-	8,02

PN10 fittings

Bo. = box - B. = bag



Threated Tee coupling male					Threated Tee coupling female					Reduced sleeve					Reducing Tee				
																			
Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.
16 x 1/2" x 16	RTMV098	200	20	2,73	16 x 1/2" x 16	RTFV098	200	20	2,37	20 x 16	RMRV007	280	20	2,49	20 x 16 x 20	RTRV001	160	20	4,07
16 x 3/4" x 16	RTMV099	200	20	2,73	16 x 3/4" x 16	RTFV099	160	20	2,37	25 x 20	RMRV008	200	20	2,76	25 x 20 x 25	RTRV002	120	20	4,67
20 x 1/2" x 20	RTMV100	200	20	2,87	20 x 1/2" x 20	RTFV100	200	20	2,73	32 x 20	RMRV009	160	20	3,58	25 x 32 x 25	RTRV003	80	20	6,12
20 x 3/4" x 20	RTMV101	200	20	2,87	20 x 3/4" x 20	RTFV101	160	20	2,72	32 x 25	RMRV010	120	20	3,68	32 x 20 x 32	RTRV004	60	15	6,12
25 x 1/2" x 25	RTMV102	120	20	3,33	25 x 1/2" x 25	RTFV102	120	20	3,48	40 x 20	RMRV011	80	20	6,28	32 x 25 x 32	RTRV005	60	15	6,13
25 x 3/4" x 25	RTMV103	120	20	3,33	25 x 3/4" x 25	RTFV103	120	20	3,48	40 x 25	RMRV012	90	10	6,28	40 x 25 x 40	RTRV006	35	5	8,54
25 x 1" x 25	RTMV104	120	20	3,33	25 x 1" x 25	RTFV104	120	20	3,48	40 x 32	RMRV013	80	10	6,28	40 x 32 x 40	RTRV007	30	5	8,54
32 x 3/4" x 32	RTMV106	75	15	4,23	32 x 1/2" x 32	RTFV105	70	10	4,53	50 x 20	RMRV014	60	-	8,24	50 x 25 x 50	RTRV008	20	-	11,22
32 x 1" x 32	RTMV107	70	10	4,59	32 x 3/4" x 32	RTFV106	70	10	4,53	50 x 25	RMRV015	60	-	8,24	50 x 32 x 50	RTRV009	20	-	11,22
32 x 1 1/4" x 32	RTMV108	60	10	4,39	32 x 1" x 32	RTFV107	70	10	4,52	50 x 32	RMRV016	60	-	8,24	50 x 40 x 50	RTRV010	20	-	11,66
40 x 1" x 40	RTMV109	35	5	7,45	40 x 1 1/4" x 40	RTFV108	60	10	4,72	50 x 40	RMRV017	47	-	8,24	63 x 32 x 63	RTRV011	12	-	15,15
40 x 1 1/4" x 40	RTMV110	35	5	8,48	40 x 1" x 40	RTFV109	40	5	8,12	63 x 25	RMRV018	48	-	11,52	63 x 40 x 63	RTRV012	12	-	15,15
50 x 1 1/4" x 50	RTMV111	23	-	11,56	50 x 1 1/4" x 40	RTFV110	40	5	8,12	63 x 32	RMRV019	48	-	11,52	63 x 50 x 63	RTRV013	12	-	15,15
50 x 1 1/2" x 50	RTMV112	23	-	11,56	50 x 1 1/2" x 50	RTFV111	25	-	10,88	63 x 40	RMRV020	32	-	11,52					
63 x 2" x 63	RTMV113	12	-	21,92	63 x 2" x 63	RTFV112	14	-	16,00	63 x 50	RMRV021	32	-	11,52					

Coupling fitting					Coupling elbow				
									
Ø	Code	Bo.	B.	€/each	Ø	Code	Bo.	B.	€/each
25 x 1"	RBFV001	200	20	2,40	25 x 1"	RGFV001	180	20	3,11
32 x 1"	RBFV002	160	20	2,75	32 x 1"	RGFV002	120	20	3,76

PN10 fittings

Bo. = box - B. = bag



Compression Fittings > Blue Line



DESCRIPTION

Application

- Compression fitting for PE pipes

Specifics

- Maximum working pressure: 16 bar
(Ø 90 ÷ 110 reduced maximum pressure)
- Resistant to chemical products normally used in agriculture
- UV high-resistance body and rings
- O-ring hydraulic seal

Features

- Conical tightening of high resistance thanks to an internal ring of conical tapping
- Different models and diameters
- It does not affect water taste and smell

Materials

- UV resistant polypropylene
- Natural rubber o-ring

Male fitting					Female fitting					Female threaded derivation elbow					Male threaded derivation elbow				
Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.
16 x 1/2"	RGMI098	500	20	1,47	16 x 1/2"	RGFI129	500	20	1,68	16 x 1/2"	RGOI098	400	20	2,47	16 x 1/2"	RGOI117	400	20	2,08
16 x 3/4"	RGMI099	400	20	1,47	16 x 3/4"	RGFI130	400	20	1,68	16 x 3/4"	RGOI099	300	20	2,31	16 x 3/4"	RGOI116	360	20	1,97
20 x 1/2"	RGMI100	280	20	1,67	20 x 1/2"	RGFI100	200	20	2,29	20 x 1/2"	RGOI100	220	20	2,52	20 x 1/2"	RGOI119	280	20	2,12
20 x 3/4"	RGMI101	280	20	1,67	20 x 3/4"	RGFI101	200	20	2,29	20 x 3/4"	RGOI101	200	20	2,64	20 x 3/4"	RGOI145	280	20	2,12
25 x 1/2"	RGMI103	160	10	2,07	25 x 1/2"	RGFI102	140	10	2,56	25 x 1/2"	RGOI102	120	10	3,18	25 x 1/2"	RGOI146	120	10	2,35
25 x 3/4"	RGMI104	140	10	2,03	25 x 3/4"	RGFI104	120	10	2,56	25 x 3/4"	RGOI103	120	10	3,18	25 x 3/4"	RGOI125	120	10	2,35
25 x 1"	RGMI105	140	10	2,06	25 x 1"	RGFI105	120	10	2,56	25 x 1"	RGOI104	100	10	3,36	25 x 1"	RGOI126	120	10	2,35
32 x 3/4"	RGMI106	100	10	2,63	32 x 3/4"	RGFI106	80	10	3,13	32 x 3/4"	RGOI106	90	10	3,77	32 x 3/4"	RGOI128	90	10	3,16
32 x 1"	RGMI107	100	10	2,55	32 x 1"	RGFI107	80	10	3,13	32 x 1"	RGOI107	80	10	3,85	32 x 1"	RGOI129	80	10	3,16
32 x 1 1/4"	RGMI108	100	10	3,41	40 x 1"	RGFI109	60	5	5,39	40 x 1 1/4"	RGOI110	40	5	7,39	40 x 1 1/4"	RGOI131	45	5	5,04
40 x 1"	RGMI110	60	5	4,62	40 x 1 1/4"	RGFI110	50	5	5,39	50 x 1 1/2"	RGOI113	20	5	9,85	50 x 1 1/2"	RGOI132	20	5	6,82
40 x 1 1/4"	RGMI111	60	5	4,62	40 x 1 1/2"	RGFI111	50	5	5,61	63 x 2"	RGOI115	20	-	13,30	63 x 2"	RGOI135	20	-	9,33
40 x 1 1/2"	RGMI112	50	5	4,62	50 x 1 1/2"	RGFI113	25	5	7,07	75 x 2 1/2"	RGOI118	8	-	23,83	75 x 2 1/2"	RGOI138	8	-	18,62
50 x 1 1/4"	RGMI113	30	5	6,05	63 x 1 1/2"	RGFI115	15	-	10,02	90 x 3"	RGOI121*	10	-	37,74	90 x 3"	RGOI141*	10	-	24,78
50 x 1 1/2"	RGMI115	30	5	6,05	63 x 2"	RGFI116	15	-	10,02	110 x 3"	RGOI123*	7	-	95,80	90 x 4"	RGOI142*	10	-	26,91
50 x 2"	RGMI130	30	5	6,05	75 x 2"	RGFI118	12	-	20,02	110 x 4"	RGOI124*	5	-	69,53	110 x 4"	RGOI144*	6	-	51,67
63 x 1 1/2"	RGMI116	25	-	8,57	75 x 2 1/2"	RGFI119	12	-	20,02										
63 x 2"	RGMI117	25	-	8,57	90 x 3"	RGFI123*	14	-	22,46										
63 x 2 1/2"	RGMI118	25	-	8,57	110 x 3"	RGFI127*	7	-	75,10										
75 x 2"	RGMI119	12	-	17,09	110 x 4"	RGFI128*	7	-	64,62										
75 x 2 1/2"	RGMI120	12	-	17,09															
90 x 2"	RGMI122*	13	-	21,36															
90 x 3"	RGMI124*	14	-	21,33															
90 x 4"	RGMI125*	13	-	22,23															
110 x 3"	RGMI128*	8	-	38,93															
110 x 4"	RGMI129*	7	-	45,47															

Compress. valve x compress.					Compress. valve x male					Compress. valve x female				
Ø	Code	Bo.	B.	€/cad	Ø	Code	Bo.	B.	€/cad	Ø	Code	Bo.	B.	€/cad
20 x 20	FVC401	100	10	15,82	20 X 1/2"	FVC411	150	10	10,02	20 X 1/2"	FVC420	150	10	10,02
25 x 25	FVC402	35	5	19,76	20 X 3/4"	FVC412	150	10	13,18	20 X 3/4"	FVC421	150	10	13,18
32 X 32	FVC403	35	5	22,40	25 X 3/4"	FVC413	50	5	13,18	25 X 3/4"	FVC422	50	5	13,18
40 X 40	FVC404	15	5	32,94	32 x 1"	FVC414	50	5	14,51	32 x 1"	FVC423	50	5	14,51
50 X 50	FVC405	10	5	35,57	40 x 1 1/4"	FVC415	15	5	26,35	40 x 1 1/4"	FVC424	15	5	26,35
63 X 63	FVC406	10	1	55,32	50 x 1 1/2"	FVC416	15	5	30,30	50 x 1 1/2"	FVC425	15	5	30,30
					63 x 2"	FVC417	10	1	44,78	63 x 2"	FVC426	10	1	44,78

PN16 fittings - *PN12,5 fittings

Bo. = box - B. = bag



Sleeve					90° Tee					Elbow					End Plug				
																			
Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.
16	RBGI010	280	20	2,27	16	RTII099	160	20	3,18	16	RGOI010	240	20	2,43	16	RTTI010	480	20	1,61
20	RBGI001	160	20	2,97	20	RTII100	100	20	3,91	20	RGOI001	160	20	3,02	20	RTTI001	320	20	2,02
25	RBGI002	80	10	3,49	25	RTII101	40	10	5,30	25	RGOI002	70	10	3,63	25	RTTI002	140	10	2,26
32	RBGI003	60	10	4,53	32	RTII102	50	10	6,71	32	RGOI003	50	10	4,56	32	RTTI003	120	10	2,75
40	RBGI004	40	5	7,34	40	RTII103	30	-	10,94	40	RGOI004	40	5	7,81	40	RTTI004	70	5	4,64
50	RBGI005	30	5	9,98	50	RTII104	10	-	14,73	50	RGOI005	15	5	10,87	50	RTTI005	30	5	6,82
63	RBGI006	10	-	13,75	63	RTII105	8	-	21,93	63	RGOI006	12	-	13,81	63	RTTI006	20	-	9,17
75	RBGI007	9	-	25,73	75	RTII106	6	-	36,44	75	RGOI007	6	-	25,55	75	RTTI007	15	-	22,20
90	RBGI008*	8	-	33,80	90	RTII107*	8	-	51,38	90	RGOI008*	8	-	33,67	90	RTTI008*	9	-	25,57
110	RBGI009*	6	-	70,36	110	RTII108*	4	-	100,33	110	RGOI009*	6	-	67,89	110	RTTI009*	5	-	51,61

Threated Tee coupling female					Threated Tee coupling male					Reducing Tee					Reduced sleeve				
																			
Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.
16 x 1/2" x 16	RTFI098	200	20	3,50	16 x 1/2" x 16	RTMI098	200	20	3,19	16 x 20 x 16	RTRI001	160	20	4,71	20 x 16	RMRI006	280	20	3,13
16 x 3/4" x 16	RTFI099	160	20	3,07	16 x 3/4" x 16	RTMI099	200	20	3,19	20 x 16 x 20	RTRI021	160	20	4,63	25 x 20	RMRI008	120	10	3,23
20 x 1/2" x 20	RTFI100	120	20	3,86	20 x 1/2" x 20	RTMI100	120	20	3,32	25 x 20 x 25	RTRI020	50	10	5,34	32 x 25	RMRI010	80	10	4,20
20 x 3/4" x 20	RTFI101	100	20	3,83	20 x 3/4" x 20	RTMI101	120	20	3,32	25 x 32 x 25	RTRI002	40	10	7,00	40 x 25	RMRI011	45	5	7,24
25 x 1/2" x 25	RTFI102	60	10	4,98	25 x 1/2" x 25	RTMI102	60	10	4,20	32 x 25 x 32	RTRI003	50	10	7,00	40 x 32	RMRI012	45	5	7,24
25 x 3/4" x 25	RTFI103	60	10	4,78	25 x 3/4" x 25	RTMI103	60	10	4,20	40 x 32 x 40	RTRI005	35	5	13,64	50 x 40	RMRI014	25	5	9,21
25 x 1" x 25	RTFI104	60	10	4,66	25 x 1" x 25	RTMI104	60	10	4,20	50 x 40 x 50	RTRI008	25	5	20,08	63 x 32	RMRI016	15	-	13,18
32 x 3/4" x 32	RTFI106	60	10	6,18	32 x 3/4" x 32	RTMI106	50	10	5,45	63 x 50 x 63	RTRI012*	14	-	24,70	63 x 40	RMRI017	15	-	13,20
32 x 1" x 32	RTFI107	60	10	6,18	32 x 1" x 32	RTMI107	40	10	5,45	110 x 90 x 110	RTRI019*	4	-	119,90	63 x 50	RMRI018	10	-	13,20
40 x 1" x 40	RTFI108	40	5	10,41	40 x 1" x 40	RTMI109	40	5	9,40						75 x 63	RMRI019*	9	-	24,01
40 x 1 1/4" x 40	RTFI109	40	5	10,41	40 x 1 1/4" x 40	RTMI110	35	5	9,40						90 x 63	RMRI021*	12	-	33,69
50 x 1 1/2" x 50	RTFI128	12	5	14,72	50 x 1 1/2" x 50	RTMI114	10	5	13,18						90 x 75	RMRI022*	12	-	38,03
63 x 2" x 63	RTFI114	10	-	25,44	63 x 2" x 63	RTMI118	12	-	25,51						110 x 75	RMRI023*	6	-	84,96
75 x 2 1/2" x 75	RTFI117	8	-	37,54	75 x 2 1/2" x 75	RTMI121	9	-	31,91						110 x 90	RMRI024*	5	-	70,65
90 x 3" x 90	RTFI120*	8	-	55,00	90 x 3" x 90	RTMI124*	6	-	50,43										
110 x 4" x 110	RTFI124*	5	-	82,05	110 x 4" x 110	RTMI128*	6	-	73,93										

PP gate valve with compression fittings					PP female fittings with o-ring					PP flange fitting					PP tap wall plate				
																			
Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.
20 x 20 x 20	FVII001	60	10	12,14	25 x 1"	RBF1001	110	10	3,93	63 x 2"	RFFI001	18	-	43,79	20 x 1/2"	RPMI001	120	20	5,99
25 x 25 x 25	FVII002	40	10	12,84	32 x 1"	RBF1002	80	10	4,33	75 x 3"	RFFI002	8	-	55,64	25 x 3/4"	RPMI002	60	10	6,86
32 x 32 x 32	FVII003	50	10	14,16	40 x 1"	RBF1003	50	5	6,13	110 x 4"	RFFI005*	4	-	152,05					

PN16 fittings - *PN12,5 fittings

Bo. = box - B. = bag



Compression Fittings > Ecofit Series



DESCRIPTION

Application

- Compression fitting for PE pipes

Specifics

- Maximum working pressure: 10 bar
- UV high resistance
- Hi-grade polypropylene

Features

- Conical tightening of high resistance thanks to an internal ring of conical tapping
- UNI 9561 and UNI EN ISO 15494 rules
- Complying with DM n. 174 of 06/04/2004
- Different models and diameter

Male fitting					Female fitting					Female threaded derivation elbow					Male threaded derivation elbow				
																			
Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.
16 x 1/2"	RGMA031	500	10	1,85	16 x 1/2"	RGFA020	500	10	2,10	16 x 1/2"	RGOA080	500	10	2,51	16 x 1/2"	RGOA110	600	10	2,56
16 x 3/4"	RGMA032	500	10	1,85	16 x 3/4"	RGFA021	500	10	2,10	20 x 1/2"	RGOA081	600	10	2,86	16 x 3/4"	RGOA111	600	10	2,56
20 x 1/2"	RGMA033	600	10	2,16	20 x 1/2"	RGFA022	600	10	2,35	20 x 3/4"	RGOA082	500	10	2,86	20 x 1/2"	RGOA112	600	10	2,56
20 x 3/4"	RGMA034	600	10	2,16	20 x 3/4"	RGFA023	600	10	2,35	25 x 1/2"	RGOA083	380	10	3,72	20 x 3/4"	RGOA113	600	10	2,56
25 x 1/2"	RGMA035	480	10	2,51	25 x 3/4"	RGFA024	400	10	2,86	25 x 3/4"	RGOA084	380	10	3,72	25 x 1/2"	RGOA114	400	10	3,11
25 x 3/4"	RGMA036	480	10	2,51	25 x 1"	RGFA025	400	10	2,86	25 x 1"	RGOA085	340	10	3,72	25 x 3/4"	RGOA115	400	10	3,11
25 x 1"	RGMA037	480	10	2,51	32 x 3/4"	RGFA026	280	10	3,61	32 x 3/4"	RGOA086	220	10	4,19	25 x 1"	RGOA116	400	10	3,11
32 x 3/4"	RGMA038	280	10	3,01	32 x 1"	RGFA027	230	10	3,61	32 x 1"	RGOA087	200	10	4,19	32 x 1/2"	RGOA117	240	10	3,90
32 x 1"	RGMA039	280	10	3,01	40 x 1"	RGFA028	150	1	5,53	32 x 1 1/4"	RGOA088	160	10	4,19	32 x 3/4"	RGOA118	240	10	3,90
32 x 1 1/4"	RGMA040	280	10	3,01	40 x 1 1/4"	RGFA029	150	1	5,53	40 x 1 1/4"	RGOA089	120	1	8,34	32 x 1"	RGOA119	240	10	3,90
40 x 1"	RGMA041	150	1	5,60	40 x 1 1/2"	RGFA030	150	1	5,53	40 x 1 1/2"	RGOA090	110	1	8,34	40 x 1"	RGOA120	120	1	6,25
40 x 1 1/4"	RGMA042	150	1	5,60	50 x 1 1/2"	RGFA031	90	1	7,71	50 x 1 1/2"	RGOA091	70	1	11,05	40 x 1 1/4"	RGOA121	120	1	6,25
40 x 1 1/2"	RGMA043	150	1	5,60	50 x 2"	RGFA032	90	1	7,71	50 x 2"	RGOA092	70	1	11,05	40 x 1 1/2"	RGOA122	120	1	6,25
50 x 1 1/2"	RGMA044	100	1	7,03	63 x 2"	RGFA033	60	1	11,16	63 x 2"	RGOA093	44	1	15,12	50 x 1 1/2"	RGOA123	70	1	7,94
50 x 2"	RGMA045	100	1	7,03	75 x 2"	RGFA034	28	1	25,19	75 x 2"	RGOA094	20	1	28,37	50 x 2"	RGOA124	70	1	7,94
63 x 2"	RGMA046	60	1	9,60	75 x 2 1/2"	RGFA035	28	1	25,19	75 x 2 1/2"	RGOA095	17	1	28,37	63 x 2"	RGOA125	48	1	11,85
75 x 2"	RGMA047	28	1	24,13	90 x 3"	RGFA037	14	1	29,53	75 x 3"	RGOA096	17	1	28,37	75 x 2 1/2"	RGOA126	18	1	27,73
75 x 2 1/2"	RGMA048	28	1	24,13	90 x 4"	RGFA038	12	1	31,65						75 x 3"	RGOA127	18	1	27,73
75 x 3"	RGMA049	25	1	24,13	110 x 3"	RGFA039	8	1	69,74						90 x 3"	RGOA128	12	1	34,82
90 x 2"	RGMA050	14	1	28,37	110 x 4"	RGFA040	8	1	69,74						110 x 4"	RGOA129	6	1	67,63
90 x 2 1/2"	RGMA051	14	1	28,37															
90 x 3"	RGMA052	14	1	28,37															
110 x 2"	RGMA053	8	1	54,61															
110 x 3"	RGMA054	8	1	52,81															
110 x 4"	RGMA055	8	1	54,61															

PN10 fittings - • PN6 fittings

Bo. = box - B. = bag



Sleeve					90° Tee					Elbow					End Plug				
Ø	Code	Bo.	Box	€/ea.	Ø	Code	Bo.	Box	€/ea.	Ø	Code	Bo.	Box	€/ea.	Ø	Code	Bo.	Box	€/ea.
16	RBGA015	400	10	3,01	16	RTEA010	200	10	3,97	16	RGOA009	350	10	3,11	25	RTTA010	520	10	2,83
20	RBGA016	500	10	3,78	20	RTEA011	250	10	5,17	20	RGOA010	440	10	3,90	32	RTTA011	330	10	3,48
25	RBGA017	300	10	4,46	25	RTEA012	170	10	6,43	25	RGOA011	250	10	4,64	40	RTTA012	180	1	5,60
32	RBGA018	160	10	5,60	32	RTEA013	100	5	8,28	32	RGOA012	150	10	5,78	50	RTTA013	100	1	8,34
40	RBGA019	100	1	9,34	40	RTEA014	60	5	13,87	40	RGOA013	90	1	10,04	63	RTTA014	60	1	11,34
50	RBGA020	60	1	11,96	50	RTEA015	32	2	18,32	50	RGOA014	50	1	13,46	75	RTTA015	28	1	30,06
63	RBGA021	40	1	16,07	63	RTEA016	20	2	25,00	63	RGOA015	32	1	16,51	90	RTTA016	16	1	38,00
75	RBGA022	16	1	37,47	75	RTEA017	8	1	51,22	75	RGOA016	12	1	36,09	110	RTTA017	10	1	80,43
90	RBGA023	8	1	46,36	90	RTEA018	5	1	71,01	90	RGOA017	8	1	44,66					
110	RBGA024	5	1	98,53	110	RTEA019	2	1	136,52	110	RGOA018	3	1	92,71					

Female threaded derivation Tee					Male threaded derivation Tee					Female orthogonal derivation elbow					PP closing adapter				
																			
Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.
16 x ½" x 16	RTFA030	240	10	3,31	20 x ½" x 20	RTMA020	300	10	4,13	20 x ½" x 20	RGOA150	350	10	5,12	20	RADA001	-	1	0,94
16 x ¾" x 16	RTFA031	240	10	3,31	20 x ¾" x 20	RTMA021	300	10	4,13	25 x ½" x 25	RGOA151	250	10	5,99	25	RADA002	-	1	1,12
20 x ½" x 20	RTFA032	320	10	3,97	25 x ½" x 25	RTMA022	220	10	5,44	25 x ¾" x 25	RGOA152	250	10	5,99	32	RADA003	-	1	1,74
20 x ¾" x 20	RTFA033	320	10	3,97	25 x ¾" x 25	RTMA023	220	10	5,44						40	RADA004	-	1	2,35
25 x ½" x 25	RTFA034	200	10	5,20	32 x ¾" x 32	RTMA024	120	5	6,82						50	RADA005	-	1	2,86
25 x ¾" x 25	RTFA035	200	10	5,20	32 x 1" x 32	RTMA025	120	5	6,82						63	RADA006	-	1	3,31
25 x 1" x 25	RTFA036	200	10	5,20	40 x 1" x 40	RTMA026	70	1	11,85										
32 x ½" x 32	RTFA037	120	5	6,43	40 x 1"¼ x 40	RTMA027	70	1	11,85										
32 x ¾" x 32	RTFA038	120	5	6,43	50 x 1"½ x 50	RTMA029	40	1	16,86										
32 x 1" x 32	RTFA039	120	5	6,43	63 x 2" x 63	RTMA031	24	1	31,67										
40 x 1" x 40	RTFA040	70	1	11,85															
40 x 1"¼ x 40	RTFA041	70	1	11,85															
40 x 1"½ x 40	RTFA042	60	1	11,85															
50 x 1"½ x 50	RTFA043	40	1	14,92															
50 x 2" x 50	RTFA044	40	1	14,92															
63 x 2" x 63	RTFA045	20	1	22,70															
75 x 2" x 75	RTFA046	8	1	41,49															
75 x 2"½ x 75	RTFA047	8	1	41,49															
75 x 3" x 75	RTFA048	8	1	41,49															
90 x 3" x 90	RTFA049	7	1	64,35															
110 x 4" x 110	RTFA050	4	1	97,05															

PN10 fittings - •PN6 fittings

Bo. = box - B. = bag



Compression Fittings > White/Black Series



DESCRIPTION

Application

- PE pipes compression fitting

Specifics

- Maximum working pressure: 16 bar
- Hi-grade polypropylene
- UV high resistance
- Reinforce rings on female thread starting from 1 1/4" diameter

Features

- Conical tightening of high resistance thanks to an internal ring of conical tapping
- Full range of different models and diameters
- UNI 9561 and ENI EN ISO 15494
- In compliance with DM N. 174 of 06th april 2004

Sleeve					90° Tee					90° elbow					45° elbow				
																			
Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.
16	RBG001	400	10	3,93	16	RTE001	220	10	5,14	16	RG0001	350	10	4,25	32	RG0015	100	5	10,88
20	RBG002	200	10	5,47	20	RTE002	120	10	7,08	20	RG0002	200	10	5,47	40	RG0016	60	1	18,16
25	RBG003	180	10	6,49	25	RTE003	100	5	9,44	25	RG0003	150	10	6,61	50	RG0017	40	1	24,56
32	RBG004	100	5	8,32	32	RTE004	60	5	12,12	32	RG0004	100	5	8,17	63	RG0014	24	1	33,07
40	RBG005	75	1	13,60	40	RTE005	40	1	20,03	40	RG0005	60	1	14,36	75	RG0019	12	1	67,65
50	RBG006	45	1	18,52	50	RTE006	25	1	27,07	50	RG0006	35	1	20,03	90	RG0018	8	1	77,90
63	RBG007	30	1	25,72	63	RTE007	16	1	38,48	63	RG0007	24	1	24,27	110	RG0021	4	1	159,51
75	RBG008	16	1	48,42	75	RTE008	7	1	66,85	75	RG0008	12	1	47,07					
90	RBG009	8	1	59,92	90	RTE009	5	1	92,61	90	RG0009	8	1	58,45					
110	RBG010	5	1	128,19	110	RTE010	2	1	180,37	110	RG0010	4	1	121,04					
125	RBG011	3	1	218,19															

Repair sleeve					End Plug					45° Tee					Modular adapter				
																			
Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.
20	RBG100	240	10	6,68	20	RTT001	350	10	3,82	63	RTE015	10	1	50,03	20	RAM001	300	10	5,39
25	RBG101	150	10	7,83	25	RTT002	250	10	4,05	75	RTE016	5	1	87,01	32	RAM003	180	5	8,32
32	RBG102	80	5	10,21	32	RTT003	180	5	4,96	90	RTE017	4	1	120,85	40	RAM004	100	5	14,43
40	RBG103	55	1	16,21	40	RTT004	110	1	8,32	110	RTE018	2	1	234,72	50	RAM005	70	1	19,90
50	RBG104	30	1	22,37	50	RTT005	75	1	12,31						63	RAM006	45	1	26,32
63	RBG105	24	1	29,55	63	RTT006	45	1	16,79										
75	RBG106	16	1	56,46	75	RTT009	28	1	39,91										
90	RBG107	8	1	71,84	90	RTT007	16	1	45,56										
110	RBG108	5	1	147,25	110	RTT010	10	1	98,29										
125	RBG109	3	1	243,68															

PN16 fittings

Bo. = box - B. = bag



Male fitting					Female fitting					Male threaded derivation elbow					Female threaded derivation elbow				
																			
Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.
16 x 3/4"	RGM031	600	10	2,61	16 X 1/2"	RGF001	500	10	2,44	20 x 1/2"	RG0050	350	10	3,52	16 x 1/2"	RG0020	500	10	3,25
16 x 1/2"	RGM001	500	10	2,61	16 X 3/4"	RGF002	500	10	2,44	20 x 3/4"	RG0051	300	10	3,52	20 x 1/2"	RG0022	350	10	4,05
16 x 3/4"	RGM002	500	10	2,61	20 X 1/2"	RGF003	350	10	3,32	25 x 1/2"	RG0062	240	10	4,29	20 x 3/4"	RG0023	300	10	4,05
20 x 1/2"	RGM003	350	10	3,12	20 X 3/4"	RGF004	350	10	3,32	25 x 3/4"	RG0052	250	10	4,29	25 x 1/2"	RG0024	250	10	5,06
20 x 3/4"	RGM004	350	10	3,12	20 X 1"	RGF005	300	10	3,52	25 x 1"	RG0061	240	10	4,29	25 x 3/4"	RG0025	250	10	5,06
20 x 1"	RGM005	350	10	3,32	25 X 3/4"	RGF007	250	10	3,93	32 x 1"	RG0053	140	5	5,65	25 x 1"	RG0026	220	10	5,06
25 x 1/2"	RGM006	250	10	3,52	25 X 1"	RGF008	250	10	3,93	40 x 1"	RG0060	90	1	9,01	32 x 3/4"	RG0028	150	5	6,01
25 x 3/4"	RGM007	250	10	3,52	32 X 3/4"	RGF009	150	5	4,96	40 x 1 1/4"	RG0054	90	1	9,01	32 x 1"	RG0029	150	5	6,01
25 x 1"	RGM008	250	10	3,52	32 X 1"	RGF010	150	5	4,96	40 x 1 1/2"	RG0058	80	1	9,01	32 x 1 1/4"	RG0030	120	5	8,67
32 x 3/4"	RGM009	150	5	4,63	32 X 1 1/4"	RGF011	140	5	7,02	50 x 1"	RG0063	55	1	11,59	40 x 1"	RG0032	100	1	11,84
32 x 1"	RGM010	150	5	4,63	40 X 1"	RGF012	110	1	8,67	50 x 1 1/4"	RG0055	55	1	11,59	40 x 1 1/4"	RG0033	90	1	11,84
32 x 1 1/4"	RGM011	150	5	5,06	40 X 1 1/4"	RGF013	110	1	8,67	50 x 1 1/2"	RG0056	55	1	12,31	40 x 1 1/2"	RG0034	80	1	11,84
32 x 1 1/2"	RGM032	140	5	5,60	40 X 1 1/2"	RGF014	100	1	8,67	63 x 1 1/4"	RG0069	35	1	17,14	40 x 2"	RG0035	65	1	12,17
40 x 1"	RGM012	110	1	8,39	50 X 1 1/4"	RGF022	75	1	11,78	63 x 1 1/2"	RG0066	35	1	17,14	50 x 1"	RG0042	70	1	15,76
40 x 1 1/4"	RGM013	110	1	8,39	50 X 1 1/2"	RGF015	70	1	11,78	63 x 2"	RG0057	35	1	17,14	50 x 1 1/4"	RG0041	60	1	15,76
40 x 1 1/2"	RGM014	100	1	8,39	50 X 2"	RGF016	70	1	11,78	75 x 2 1/2"	RG0064	18	1	36,27	50 x 1 1/2"	RG0036	60	1	15,76
40 x 2"	RGM015	100	1	8,80	63 X 1 1/4"	RGF027	48	1	16,63	75 x 3"	RG0065	18	1	36,27	50 x 2"	RG0037	45	1	15,76
50 x 1"	RGM034	70	1	11,09	63 X 1 1/2"	RGF025	48	1	16,63	90 x 3"	RG0067	12	1	45,53	63 x 1 1/4"	RG0046	35	1	21,37
50 x 1 1/4"	RGM016	70	1	11,09	63 X 2"	RGF017	48	1	16,63	110 x 4"	RG0068	6	1	88,40	63 x 1 1/2"	RG0043	35	1	21,37
50 x 1 1/2"	RGM017	70	1	11,09	75 X 2"	RGF018	27	1	32,77						63 x 2"	RG0038	35	1	21,37
50 x 2"	RGM018	65	1	11,09	75 X 2 1/2"	RGF019	27	1	32,77						75 x 2"	RG0039	20	1	38,70
63 x 1 1/4"	RGM035	48	1	15,76	90 X 2"	RGF020	14	1	38,48						75 x 2 1/2"	RG0040	18	1	38,70
63 x 1 1/2"	RGM019	48	1	15,76	90 X 3"	RGF023	14	1	38,48						75 x 3"	RG0045	18	1	38,70
63 x 2"	RGM020	48	1	15,76	90 X 4"	RGF026	12	1	42,33										
63 x 2 1/2"	RGM021	45	1	15,76	110 X 3"	RGF024	8	1	91,27										
75 x 2"	RGM022	28	1	31,42	110 X 4"	RGF021*	8	1	91,27										
75 x 2 1/2"	RGM023	28	1	31,42															
75 x 3"	RGM024	25	1	31,42															
90 x 2"	RGM025	16	1	37,06															
90 x 2 1/2"	RGM029	16	1	37,06															
90 x 3"	RGM026	16	1	37,06															
90 x 4"	RGM033	12	1	44,32															
110 x 2"	RGM030	8	1	73,14															
110 x 3"	RGM028	8	1	73,14															
110 x 4"	RGM027	8	1	73,14															

Y fitting with threaded male offtake - 7550					Adapter					Elbow wall plate				
														
Ø	Code	Bo.	B.	€/ea.	Ø	Code*	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.
20 x 20 x 3/4"	RBF002	120	10	6,15	25 x 3/4"	RAD061	200	1	4,09	16 x 1/2"	RPL003	150	1	9,28
25 x 25 x 3/4"	RBF003	100	5	11,44	32 x 1"	RAD064	180	1	6,49	20 x 1/2"	RPL001	150	1	9,28
					40 x 1 1/4"	RAD066	130	1	9,05	25 x 3/4"	RPL002	100	1	11,09
					50 x 1 1/2"	RAD070	80	1	11,17					
					63 x 2"	RAD075	60	1	16,79					

*Scheduled delivery

PN16 fittings - •PN6 fittings

Bo. = box - B. = bag



Compression Fittings > White/Black Series



Female threaded derivation Tee					Male threaded derivation Tee					Reducing Tee					Repair tee					
																				
Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.	Ø	Code**	Bo.	B.	€/ea.	
16 x ½" x 16	RTF024	240	10	4,25	20 x ½" x 20	RTM001	180	10	6,01	20 x 16 x 20	RTR011	150	10	8,17	20	RTR102	120	10	9,47	
16 x ¾" x 16	RTF020	240	10	4,25	20 x ¾" x 20	RTM002	180	10	6,01	25 x 20 x 25	RTR001	100	5	9,15	25	RTR101	100	5	12,17	
20 x ½" x 20	RTF001	180	10	5,65	25 x ½" x 25	RTM006	140	5	7,78	32 x 25 x 32	RTR009	70	5	11,84	32	RTR103	60	5	14,76	
20 x ¾" x 20	RTF003	180	10	5,65	25 x 1" x 25	RTM003	140	5	7,78	40 x 25 x 40	RTR012	45	1	20,03	40	RTR104	40	1	24,40	
25 x ½" x 25	RTF004	140	5	7,30	32 x 1" x 32	RTM004	80	5	9,74	40 x 32 x 40	RTR003	40	1	20,03	50	RTR105	25	1	33,70	
25 x ¾" x 25	RTF006	140	5	7,30	40 x 1" x 40	RTM005	50	1	17,14	50 x 25 x 50	RTR014	30	1	27,07	63	RTR106	16	1	46,35	
25 x 1" x 25	RTF007	100	5	8,01	40 x 1"½" x 40	RTM016	50	1	18,52	50 x 32 x 50	RTR008	30	1	27,07	**Scheduled delivery					
32 x ¾" x 32	RTF008	80	5	9,44	50 x 1"½" x 50	RTM017	36	1	24,27	50 x 40 x 50	RTR004	30	1	27,07						
32 x 1" x 32	RTF009	80	5	9,44	63 x 1"½" x 63	RTM019**	20	1	REQ.	63 x 32 x 63	RTR007	20	1	35,65						
32 x 1"¼" x 32	RTF010	60	5	11,84	63 x 2" x 63	RTM018			47,07	63 x 40 x 63	RTR016	20	1	35,65						
32 x 1"½" x 32	RTF018	60	5	12,17	**Scheduled delivery						63 x 50 x 63	RTR005	18	1	35,65					
40 x 1" x 40	RTF011	60	1	17,14							75 x 63 x 75	RTR006	7	1	66,85					
40 x 1"¼" x 40	RTF012	55	1	17,14																
40 x 1"½" x 40	RTF013	50	1	18,52																
40 x 2" x 40	RTF029	45	1	19,49																
50 x 1"½" x 50	RTF014	36	1	22,79																
50 x 2" x 50	RTF015	30	1	25,72																
63 x 1"¼" x 63	RTF030	20	1	34,28																
63 x 1"½" x 63	RTF025	20	1	34,28																
63 x 2" x 63	RTF016	20	1	32,82																
75 x 2" x 75	RTF019	9	1	56,77																
75 x 2"½" x 75	RTF017	9	1	56,77																
75 x 3" x 75	RTF022	9	1	56,77																
90 x 3" x 90	RTF023	7	1	87,95																
110 x 4" x 110	RTF021*	4	1	132,80																

Reduction sleeve						Reduction set					
											
Ø	Code	Bo.	B.	€/ea.		Ø	Code	Bo.	B.	€/ea.	
20 x 16	RMR013	300	10	5,47		25 x 20	RRD300	300	10	3,32	
25 x 16	RMR019	220	10	5,82		32 x 20	RRD301	300	10	5,65	
25 x 20	RMR001	200	10	5,82		32 x 25	RRD302	250	10	4,29	
32 x 20	RMR002	150	5	7,78		40 x 32	RRD303	180	10	6,61	
32 x 25	RMR003	120	5	7,78		50 x 25	RRD304**	200	10	9,57	
40 x 25	RMR004	90	1	13,18		50 x 32	RRD305	120	5	8,88	
40 x 32	RMR005	90	1	13,18		50 x 40	RRD306	120	5	8,17	
50 x 25	RMR012	70	1	17,14		63 x 25	RRD307**	120	5	7,85	
50 x 32	RMR006	70	1	17,14		63 x 32	RRD308	80	0	13,48	
50 x 40	RMR007	60	1	17,14		63 x 40	RRD309	80	1	13,18	
63 x 25	RMR014	50	1	24,27		63 x 50	RRD310	80	0	13,18	
63 x 32	RMR015	45	1	24,27		75 x 63	RRD311	80	0	34,69	
63 x 40	RMR008	40	1	24,27		110 x 75	RRD313	22	1	52,04	
63 x 50	RMR009	36	1	24,27		110 x 90	RRD314	20	1	45,31	
75 x 50	RMR010	22	1	44,15		**Scheduled delivery					
75 x 63	RMR011	18	1	44,15							
90 x 63	RMR016	12	1	58,45							
90 x 75	RMR017	10	1	58,45							
110 x 90	RMR018	6	1	122,58							

PN16 fittings - *PN6 fittings

Bo. = box - B. = bag



PVC Fittings > Elastometric Joint



DESCRIPTION

Application

- Drinkable water - fluids in pressure

Specifics

- Maximum workin pressure: 10 bar
- Execution: head/head welding - thermoforming - moulding
- MRS (minimum resistance to breaking load 50 years at 20°C): 25 Mpa (250 bar)
- Colour: RAL7011 grey

Features

- Joint with elastometric seal
- Complying with: UNI EN 1452-UNI EN 681-1 rules

Materials

- Rigid stabilized PVC pipe for pressure ducts with Ca-Zn salts
- Elastomeric rubber seal

Female/male reduction					Short sliding coupling					Long sliding coupling				
														
Ø	F.	M.	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€	
110	75		RRD360	10	110,66	75	RBG201	10	30,20	75	RBG221	10	33,70	
125	75		RRD361	10	187,61	90	RBG202	10	33,82	90	RBG222	10	42,96	
125	90		RRD362	10	187,61	110	RBG203	10	35,22	110	RBG223	10	52,15	
140	75		RRD363	10	251,98	125	RBG204	10	46,88	125	RBG224	10	61,10	
140	90		RRD364	10	251,98	140	RBG205	10	71,06	140	RBG225	10	92,76	
140	110		RRD365	10	251,98	160	RBG206	10	70,55	160	RBG226	10	99,35	
160	90		RRD366	10	307,95									
160	110		RRD367	10	307,95									
160	125		RRD368	10	307,95									
180	90		RRD369	10	527,62									
180	110		RRD370	10	527,62									
180	125		RRD371	10	527,62									
180	140		RRD372	10	527,62									
200	90		RRD373	10	602,37									
200	110		RRD374	10	602,37									
200	125		RRD376	10	607,37									
200	160		RRD377	10	607,37									

90° Tee F/F/F					Solvent cement deriv. 90° Tee F/F				
									
Ø	Code	PN	€		Ø	Code	PN	€	
75	RTE508	10	69,24		75	RTE514	10	64,95	
90	RTE509	10	83,72		90	RTE516	10	76,21	
110	RTE510	10	120,10		110	RTE517	10	100,65	
125	RTE511	10	177,82		125	RTE515	10	146,80	
140	RTE512	10	219,80		140	RTE518	10	300,95	
160	RTE513	10	281,36		160	RTE519	10	309,34	

90° male/female bend					45° male/female bend					22°30' male/female bend					Rubber seals				
																			
Ø	Code	PN	€		Ø	Code	PN	€		Ø	Code	PN	€		Ø	Code	€		
75	RG0251	10	45,34		75	RG0260	10	42,33		75	RG0266	10	62,13		60 mm	AGR001	2,69		
90	RG0252	10	57,26		90	RG0261	10	51,89		90	RG0267	10	62,54		80 mm	AGR002	3,15		
110	RG0253	10	64,25		110	RG0262	10	58,54		110	RG0268	10	58,54		100 mm	AGR003	3,74		
125	RG0254	10	83,72		125	RG0263	10	70,55		125	RG0270	10	70,55		120 mm	AGR004	5,25		
140	RG0255	10	116,84		140	RG0264	10	88,62		140	RG0271	10	88,62						
160	RG0256	10	144,24		160	RG0265	10	120,92		160	RG0269	10	120,92						



PVC Fittings > Solvent Cement, Threaded, Passage



DESCRIPTION

Application

- Industry, agriculture, conveyance of water

Specifics

- Maximum pressure: 16 bar
- PVC pipes fittings

Features

- Wide range of models and diameters
- Conical tightening of high resistance thanks to an internal ring of conical tapping
- Suitable for above-and underground applications

Materials

- Gray PVC with high UV resistance

PVC Fittings > PN16 Solvent Cement



Coupling					90° Tee					90° elbow					45° elbow				
																			
Ø	Code	PN	Box	€/ea.	Ø	Code	PN	Box	€/each	Ø	Code	PN	Box	€/each	Ø	Code	PN	Box	€/ea.
16	RMI015	16	500	1,36	16	RTI015	16	300	1,53	16	RG0129	16	350	1,15	16	RG0107	16	500	2,77
20	RMI016	16	350	1,29	20	RTI016	16	400	1,56	20	RG0080	16	250	1,36	20	RG0140	16	300	2,27
25	RMI001	16	400	1,26	25	RTI001	16	200	1,88	25	RG0110	16	300	1,31	25	RG0095	16	400	2,78
32	RMI002	16	250	1,33	32	RTI002	16	100	2,75	32	RG0111	16	180	1,72	32	RG0106	16	200	2,97
40	RMI003	16	180	2,15	40	RTI003	16	70	3,96	40	RG0112	16	120	2,84	40	RG0096	16	150	3,47
50	RMI004	16	200	2,38	50	RTI004	16	80	5,18	50	RG0113	16	120	3,86	50	RG0097	16	150	4,82
63	RMI005	16	100	3,34	63	RTI005	16	50	7,18	63	RG0114	16	60	5,42	63	RG0108	16	90	6,24
75	RMI006	16	80	7,96	75	RTI006	16	32	14,11	75	RG0115	16	40	12,53	75	RG0102	16	50	11,30
90	RMI007	16	45	12,41	90	RTI007	16	20	22,19	90	RG0116	16	25	17,03	90	RG0100	16	30	15,38
110	RMI008	16	27	17,41	110	RTI008	16	10	33,34	110	RG0117	16	14	26,15	110	RG0103	16	16	33,12
125	RMI009	16	20	25,97	125	RTI009	16	7	63,93	125	RG0118	16	10	49,34	125	RG0101	16	12	43,32
140	RMI010	16	12	33,87	140	RTI010	16	4	97,79	140	RG0123	16	6	58,86	140	RG0124	16	6	58,96
160	RMI011	16	6	40,77	160	RTI011	16	3	106,04	160	RG0119	16	4	89,62	160	RG0104	16	6	69,59
180	RMI017	10	2	REQ.	180	RTI017	16	3	413,13	180	RG0084	16	4	335,13	200	RG0105	10	2	164,96
200	RMI012	10	3	78,44	200	RTI012	10	1	158,36	200	RG0121	10	2	207,00	225	RG0098	10	2	195,92
225	RMI013	10	2	135,59	225	RTI013	10	1	256,40	225	RG0081	10	1	219,07	250	RG0099	10	1	327,24
250	RMI014	10	2	240,42	250	RTI014	10	1	433,29	250	RG0082	10	1	391,50	280	RG0092	10	1	508,78
280	RMI018	10	2	308,05	280	RTI019	10	1	698,63	280	RG0142	10	1	REQ.	315	RG0093	10	1	678,37
315	RMI019	10	1	343,80	315	RTI020	10	1	846,02	315	RG0127	10	1	732,65	400	RG0094	5	1	REQ.
400	RMI020	5	1	REQ.	400	RTI021	4	1	REQ.	400	RG0083	5	1	REQ.					



PVC Fittings > PN16 Solvent Cement

90° bend					Union					Cap					Stub flange				
																			
Ø	Code	PN	Box	€/ea.	Ø	Code	PN	Box	€/ea.	Ø	Code	PN	Box	€/ea.	Ø	Code	PN	Box	€/ea.
20	RG0180	16	300	6,85	16	RBC400	16	200	6,59	16	RTA039	16	500	1,19	20	RCL061	16	600	1,32
25	RG0181	16	150	8,24	20	RBC252	16	150	5,15	20	RTA040	16	500	1,25	25	RCL062	16	300	1,49
32	RG0182	16	100	10,46	25	RBC052	16	200	5,89	25	RTA041	16	350	1,33	32	RCL063	16	200	1,53
40	RG0183	16	50	13,89	32	RBC053	16	120	6,42	32	RTA042	16	400	1,65	40	RCL064	16	200	2,28
50	RG0184	16	60	19,96	40	RBC054	16	80	9,54	40	RTA043	16	250	2,30	50	RCL058	16	180	3,50
63	RG0185	16	30	26,66	50	RBC055	16	60	12,26	50	RTA044	16	180	2,90	63	RCL059	16	90	5,58
75	RG0186	16	15	57,45	63	RBC056	16	30	16,28	63	RTA045	16	100	3,55	75	RCL060	16	100	8,89
90	RG0187	16	9	71,26	75	RBC057	16	30	45,55	75	RTA046	16	60	7,82	90	RCL055	16	70	10,77
110	RG0188	16	6	115,42	90	RBC058	16	25	53,41	90	RTA047	16	65	10,90	110	RCL054	16	40	12,53
					110	RBC059	16	15	54,95	110	RTA048	16	40	15,38	125	RCL051	16	25	26,76
										125	RTA049	16	33	26,85	140	RCL052	16	20	33,08
										140	RTA050	16	20	31,84	160	RCL053	16	15	32,48
										160	RTA051	16	12	39,26	200	RCL050	10	7	70,42
										200	RTA055	10	6	73,31	225	RCL056	10	6	86,65
										225	RTA056	10	5	165,80	250	RCL057	10	4	96,99
										250	RTA057	10	5	287,48	280	RCL067	10	4	191,18
															315	RCL066	10	3	231,47

Free flange				
				
Ø	Code	PN	B.	€/ea.
32	RFG008	16	150	6,01
40	RFG009	16	100	8,47
50	RFG011	16	80	9,05
63	RFG108	16	50	9,85
75	RFG109	16	40	12,47
90	RFG004	16	35	13,99
110	RFG001	16	24	15,75
125 - DN110	RFG005	16	20	28,47
125	RFG014	16	20	38,66
140	RFG006	16	18	32,68
160	RFG002	16	20	30,33
200	RFG003	10	10	72,54
225	RFG007	10	10	77,22
250	RFG010	10	6	119,75
280	RFG013	10	12	179,50
315	RFG030	10	8	199,61



PVC Fittings > PN16 Solvent Cement

M/F/F reduction					90° reduced Tee					Reducing bush plain M/F					Hose adaptor male solvent cement				
																			
Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.
20 x 16 x 16	RRI001	16	3.000	REQ.	20 x 16 x 20	RTI066	16	180	1,98	20 x 16	RRI066	16	1.000	1,47	12 x 12	RPG100	16	700	2,43
25 x 20 x 16	RRI200	16	500	1,59	25 x 16 x 25	RTI067	16	220	2,38	25 x 16	RRI035	16	700	1,70	16 x 16	RPG101	16	450	1,82
25 x 20 x 20	RRI003	16	500	1,82	25 x 20 x 25	RTI068	16	220	2,06	25 x 20	RRI055	16	700	1,70	20 x 20	RPG102	16	300	1,88
32 x 25 x 16	RRI004	16	300	1,79	32 x 20 x 32	RTI060	16	120	2,82	32 x 16	RRI041	16	400	1,78	25 x 25	RPG103	16	150	2,03
32 x 25 x 20	RRI005	16	300	1,79	32 x 25 x 32	RTI061	16	120	2,75	32 x 20	RRI057	16	400	1,44	32 x 30	RPG104	16	250	2,15
32 x 25 x 25	RRI006	16	280	1,79	40 x 20 x 40	RTI062	16	100	3,77	32 x 25	RRI058	16	400	1,42	40 x 40	RPG105	16	280	2,89
40 x 32 x 16	RRI201	16	800	2,72	40 x 25 x 40	RTI063	16	90	3,77	40 x 20	RRI059	16	250	1,58	50 x 50	RPG106	16	80	4,53
40 x 32 x 20	RRI202	16	170	2,27	40 x 32 x 40	RTI064	16	90	3,77	40 x 25	RRI062	16	250	1,58	63 x 60	RPG107	16	50	7,32
40 x 32 x 25	RRI203	16	170	2,27	50 x 20 x 50	RTI065	16	110	6,08	40 x 32	RRI056	16	250	1,58					
40 x 32 x 32	RRI007	16	350	2,27	50 x 25 x 50	RTI207	16	110	6,08	50 x 20	RRI042	16	70	3,00					
50 x 40 x 20	RRI020	16	400	3,69	50 x 32 x 50	RTI069	16	110	6,08	50 x 25	RRI063	16	350	1,86					
50 x 40 x 25	RRI204	16	200	2,85	50 x 40 x 50	RTI070	16	100	6,08	50 x 32	RRI067	16	350	1,86					
50 x 40 x 32	RRI008	16	200	2,85	63 x 25 x 63	RTI212	16	70	9,37	50 x 40	RRI060	16	350	1,86					
50 x 40 x 40	RRI009	16	200	2,85	63 x 32 x 63	RTI211	16	60	9,37	63 x 32	RRI061	16	180	2,55					
63 x 50 x 25	RRI206	16	170	4,91	63 x 40 x 63	RTI072	16	60	9,37	63 x 40	RRI064	16	180	2,55					
63 x 50 x 32	RRI207	16	350	4,25	63 x 50 x 63	RTI073	16	50	9,37	63 x 50	RRI048	16	180	2,55					
63 x 50 x 40	RRI208	16	120	3,60	75 x 32 x 75	RTI074	16	20	25,68	75 x 40	RRI068	16	110	4,67					
63 x 50 x 50	RRI010	16	100	6,00	75 x 40 x 75	RTI075	16	32	15,97	75 x 50	RRI028	16	110	4,67					
75 x 63 x 32	RRI209	16	190	7,29	75 x 50 x 75	RTI076	16	32	15,97	75 x 63	RRI029	16	110	4,67					
75 x 63 x 40	RRI210	16	80	4,83	75 x 63 x 75	RTI077	16	32	15,97	90 x 50	RRI045	16	65	7,60					
75 x 63 x 50	RRI024	16	150	7,29	90 x 40 x 90	RTI078	16	24	22,60	90 x 63	RRI047	16	65	7,60					
75 x 63 x 63	RRI023	16	60	7,74	90 x 50 x 90	RTI079	16	22	22,60	90 x 75	RRI027	16	65	6,76					
90 x 75 x 40	RRI211	16	110	14,03	90 x 63 x 90	RTI220	16	22	22,60	110 x 63	RRI065	16	40	10,50					
90 x 75 x 50	RRI212	16	45	11,73	90 x 75 x 90	RTI081	16	16	22,61	110 x 75	RRI046	16	40	9,33					
90 x 75 x 63	RRI022	16	36	11,73	110 x 50 x 110	RTI082	16	12	38,32	110 x 90	RRI032	16	40	9,33					
90 x 75 x 75	RRI011	16	36	11,73	110 x 63 x 110	RTI225	16	10	38,32	125 x 75	RRI049	16	50	20,06					
110 x 90 x 50	RRI213	16	45	17,68	110 x 75 x 110	RTI084	16	10	38,32	125 x 90	RRI030	16	50	20,06					
110 x 90 x 63	RRI100	16	45	17,54	110 x 90 x 110	RTI229	16	10	38,32	125 x 110	RRI031	16	50	17,67					
110 x 90 x 75	RRI013	16	45	17,54	125 x 63 x 125	RTI230	16	8	83,90	140 x 90	RRI040	16	40	31,18					
110 x 90 x 90	RRI012	16	45	17,54	125 x 75 x 125	RTI231	16	8	83,90	140 x 110	RRI036	16	40	36,28					
125 x 110 x 63	RRI214	16	42	26,57	125 x 90 x 125	RTI085	16	8	83,90	140 x 125	RRI037	16	40	25,34					
125 x 110 x 75	RRI021	16	42	26,57	125 x 110 x 125	RTI087	16	8	83,90	160 x 90	RRI050	16	24	40,64					
125 x 110 x 90	RRI015	16	42	26,57	140 x 90 x 140	RTI089	16	4	115,30	160 x 110	RRI033	16	24	27,45					
125 x 110 x 110	RRI016	16	24	26,57	140 x 110 x 140	RTI090	16	4	161,25	160 x 125	RRI039	16	24	39,42					
140 x 125 x 90	RRI216	16	30	42,04	140 x 125 x 140	RTI091	16	4	161,25	160 x 140	RRI034	16	24	31,37					
140 x 125 x 110	RRI017	16	20	41,37	160 x 90 x 160	RTI092	16	3	145,06	180 x 160	RRI038	10	18	140,25					
160 x 140 x 90	RRI219	16	16	55,44	160 x 110 x 160	RTI095	16	3	145,06	200 x 110	RRI077	10	10	76,47					
160 x 140 x 110	RRI018	16	16	52,75	160 x 125 x 160	RTI093	16	3	176,62	200 x 125	RRI069	10	10	76,47					
160 x 140 x 125	RRI019	16	12	65,81	160 x 140 x 160	RTI094	16	3	176,62	200 x 160	RRI043	10	10	55,08					
					200 x 160 x 200	RTI097	10	3	314,10	200 x 180	RRI080	10	12	60,77					
					225 x 200 x 225	RTI099	10	1	REQ.	225 x 160	RRI081	10	7	87,42					
					250 x 110 x 250	RTI100	10	1	REQ.	225 x 200	RRI075	10	7	98,21					
					250 x 160 x 250	RTI101	10	1	719,63	250 x 160	RRI082	10	6	152,54					
					250 x 200 x 250	RTI102	10	1	726,62	250 x 200	RRI071	10	6	167,93					
					315 x 160 x 315	RTI108	8	1	886,27	250 x 225	RRI500	10	6	171,08					
					315 x 250 x 315	RTI107	8	1	886,27	280 x 225	RRI083	10	4	228,03					
										315 x 200	RRI073	10	3	248,12					
										315 x 225	RRI074	10	3	248,12					
										315 x 250	RRI072	10	3	248,12					
										315 x 280	RRI085	10	3	248,12					



PVC Fittings > PN16 Threaded



Sleeve					Union					90° Tee					45° elbow				
																			
Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.
3/8"	RMF011	16	450	1,98	3/8"	RBC010	16	300	7,82	3/8"	RTE112	16	300	3,19	3/8"	RG0190	16	1.800	5,94
1/2"	RMF001	16	350	2,28	1/2"	RBC004	16	150	5,82	1/2"	RTE100	16	400	3,64	1/2"	RG0191	16	300	3,18
3/4"	RMF002	16	450	2,48	3/4"	RBC005	16	200	7,77	3/4"	RTE101	16	200	3,92	3/4"	RG0192	16	400	3,33
1"	RMF003	16	250	2,98	1"	RBC001	16	120	7,93	1"	RTE102	16	100	4,62	1"	RG0193	16	200	4,32
1 1/4"	RMF004	16	190	3,90	1 1/4"	RBC002	16	80	9,66	1 1/4"	RTE106	16	70	6,70	1 1/4"	RG0194	16	150	5,94
1 1/2"	RMF005	16	140	4,62	1 1/2"	RBC003	16	60	13,30	1 1/2"	RTE103	16	80	9,12	1 1/2"	RG0195	16	150	7,85
2"	RMF006	16	85	6,04	2"	RBC006	16	30	18,24	2"	RTE104	16	50	13,32	2"	RG0196	16	90	12,41
2 1/2"	RMF007	16	45	19,47	2 1/2"	RBC007	16	30	51,51	2 1/2"	RTE105	16	32	30,90					
3"	RMF010	16	60	23,24	3"	RBC008	16	25	59,72	3"	RTE110	16	20	36,76					
4"	RMF009	16	30	29,98	4"	RBC009	16	15	77,45	4"	RTE111	16	10	55,84					

90° elbow					Nipple					Cap					Plug				
																			
Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.
3/8"	RG0141	16	350	1,89	3/8"	RNP010	16	1.000	1,38	3/8"	RTA029	16	1.000	1,61	3/8"	RTA008	16	800	1,15
1/2"	RG0130	16	250	1,89	1/2"	RNP001	16	450	1,49	1/2"	RTA020	16	500	1,75	1/2"	RTA001	16	650	1,14
3/4"	RG0131	16	300	2,37	3/4"	RNP002	16	600	1,75	3/4"	RTA021	16	300	1,95	3/4"	RTA002	16	400	1,53
1"	RG0132	16	180	2,66	1"	RNP003	16	350	1,92	1"	RTA022	16	180	1,92	1"	RTA003	16	500	1,85
1 1/4"	RG0133	16	120	4,19	1 1/4"	RNP004	16	220	2,76	1 1/4"	RTA023	16	120	3,20	1 1/4"	RTA004	16	350	2,62
1 1/2"	RG0134	16	120	5,61	1 1/2"	RNP005	16	200	2,97	1 1/2"	RTA024	16	230	3,72	1 1/2"	RTA005	16	280	2,97
2"	RG0135	16	60	8,77	2"	RNP006	16	200	4,32	2"	RTA025	16	120	5,08	2"	RTA006	16	160	4,06
2 1/2"	RG0136	16	40	22,66	2 1/2"	RNP007	16	110	11,83	2 1/2"	RTA026	16	60	17,40	2 1/2"	RTA007	16	80	13,10
3"	RG0137	16	25	31,16	3"	RNP008	16	35	16,25	3"	RTA027	16	30	22,56	3"	RTA009	16	50	16,77
4"	RG0138	16	14	45,46	4"	RNP009	16	35	22,94	4"	RTA028	16	25	29,02	4"	RTA010	16	30	27,93



PVC Fittings > PN16 Threaded

M/F reduction						Reducing piece F/M threaded						Reducing nipple						Threaded tank connector					
																							
Ø	Code	PN	B.	€/ea.		Ø	Code	PN	B.	€/ea.		Ø	Code	PN	B.	€/ea.		Ø	Code	PN	B.	€/ea.	
1/2" x 3/8"	RRD075	16	500	1,66		3/8" x 1/2"	RMG001	16	500	2,93		1/2" x 3/8"	RNP070	16	650	2,21		1/4" x 12	RPG001	N.D.	1.400	1,91	
3/4" x 3/8"	RRD100	16	400	1,78		1/2" x 3/4"	RMG002	16	250	3,09		3/4" x 3/8"	RNP071	16	1.400	3,81		3/8" x 16	RPG002	N.D.	500	1,84	
3/4" x 1/2"	RRD070	16	280	1,84		3/4" x 1"	RMG003	16	150	2,94		3/4" x 1/2"	RNP072	16	350	2,20		1/2" x 20	RPG003	N.D.	300	1,89	
1" x 1/2"	RRD074	16	500	2,10		1" x 1 1/4"	RMG004	16	220	3,18		1" x 1/2"	RNP073	16	900	9,10		3/4" x 25	RPG004	N.D.	180	2,03	
1" x 3/4"	RRD071	16	450	2,10		1 1/4" x 1 1/2"	RMG005	16	150	4,13		1" x 3/4"	RNP074	16	450	2,97		1" x 30	RPG005	N.D.	250	2,15	
1 1/4" x 1/2"	RRD079	16	300	3,05		1 1/2" x 2"	RMG006	16	140	5,36		1 1/4" x 3/4"	RNP075	16	400	5,93		1 1/4" x 40	RPG006	N.D.	300	3,84	
1 1/4" x 3/4"	RRD088	16	280	3,05		1 1/2" x 2 1/2"	RMG007	16	170	18,17		1 1/4" x 1"	RNP076	16	270	3,96		1 1/2" x 50	RPG007	N.D.	100	4,72	
1 1/4" x 1"	RRD076	16	260	3,05		2" x 2 1/2"	RMG008	16	72	9,68		1 1/2" x 1"	RNP077	16	350	7,27		2" x 60	RPG008	N.D.	50	8,31	
1 1/2" x 3/4"	RRD084	16	220	3,96		2" x 3"	RMG009	16	40	22,72		1 1/2" x 1 1/4"	RNP078	16	180	5,02		2 1/2" x 80	RPG009	N.D.	90	26,95	
1 1/2" x 1"	RRD077	16	220	3,96		2 1/2" x 3"	RMG010	16	50	14,52		2" x 1 1/4"	RNP079	16	200	10,46							
1 1/2" x 1 1/4"	RRD073	16	180	3,96		2 1/2" x 4"	RMG011	16	70	37,85		2" x 1 1/2"	RNP080	16	110	6,37							
2" x 1"	RRD078	16	130	5,39		3" x 4"	RMG012	16	25	24,46		2 1/2" x 1 1/2"	RNP081	16	164	20,14							
2" x 1 1/4"	RRD087	16	120	5,39								2 1/2" x 2"	RNP082	16	80	13,01							
2" x 1 1/2"	RRD085	16	160	5,49								3" x 2"	RNP087	16	40	14,99							
2 1/2" x 1 1/2"	RRD080	16	60	12,03								3" x 2 1/2"	RNP084	16	35	16,77							
2 1/2" x 2"	RRD083	16	60	10,73								4" x 2 1/2"	RNP085	16	70	37,85							
3" x 2"	RRD072	16	30	14,14								4" x 3"	RNP086	16	24	25,69							
3" x 2 1/2"	RRD081	16	40	15,82																			
4" x 2 1/2"	RRD089	16	40	25,79																			
4" x 3"	RRD082	16	40	25,79																			



PVC Fittings > Adaptor Fittings



Socket plain					Solvent cement union F/threaded F					Union female/threaded male					PVC spigot plain/threaded male				
																			
Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.
16 x 3/8"	RMP010	16	600	2,21	16 x 3/8"	RBC101	16	200	7,12	25 x 3/4"	RBC081	16	150	7,43	16 x 12 x 3/8"	RNP157	16	1.000	1,39
20 x 1/2"	RMP001	16	350	2,21	20 x 1/2"	RBC102	16	150	5,74	32 x 1"	RBC082	16	100	9,31	20 x 16 x 3/8"	RMN008	16	500	1,39
25 x 3/4"	RMP002	16	450	2,19	25 x 3/4"	RBC103	16	200	7,48	40 x 1 1/4"	RBC083	16	50	9,68	20 x 16 x 1/2"	RNP158	16	450	1,39
32 x 1"	RMP003	16	250	2,68	32 x 1"	RBC104	16	120	9,74	50 x 1 1/2"	RBC084	16	60	16,38	25 x 20 x 3/8"	RAD003	16	300	1,49
40 x 1 1/4"	RMP004	16	180	3,39	40 x 1 1/4"	RBC105	16	80	11,62	63 x 2"	RBC085	16	30	20,89	25 x 20 x 1/2"	RMN009	16	300	1,49
50 x 1 1/2"	RMP005	16	120	5,03	50 x 1 1/2"	RBC106	16	60	16,01						25 x 20 x 3/4"	RNP156	16	250	1,31
63 x 2"	RMP006	16	75	7,55	63 x 2"	RBC107	16	30	20,49						32 x 25 x 1/2"	RAD002	16	400	1,66
75 x 2 1/2"	RMP008	16	36	19,99	75 x 2 1/2"	RBC108	16	30	55,98						32 x 25 x 3/4"	RMN010	16	400	1,50
90 x 3"	RMP007	16	45	21,72	90 x 3"	RBC109	16	25	65,44						32 x 25 x 1"	RNP154	16	350	1,57
110 x 4"	RMP009	16	30	29,22	110 x 4"	RBC110	16	15	67,56						40 x 32 x 3/4"	RAD004	16	300	1,87

90° Tee					90° elbow				
									
Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.
16 x 3/8" x 16	RTP011	16	300	2,49	16 x 3/8"	RG0603	16	350	1,95
20 x 1/2" x 20	RTP010	16	400	2,90	20 x 1/2"	RG0604	16	250	2,15
25 x 3/4" x 25	RTP001	16	200	3,19	25 x 3/4"	RG0126	16	300	2,50
32 x 1" x 32	RTP005	16	100	6,62	32 x 1"	RG0120	16	180	2,87
40 x 1 1/4" x 40	RTP006	16	70	5,28	40 x 1 1/4"	RG0600	16	120	5,14
50 x 1 1/2" x 50	RTP007	16	80	7,88	50 x 1 1/2"	RG0601	16	120	7,09
63 x 2" x 63	RTP008	16	50	13,99	63 x 2"	RG0602	16	60	9,71
75 x 2 1/2" x 75	RTP003	16	32	25,58	75 x 2 1/2"	RG0125	16	40	19,99
90 x 3" x 90	RTP002	16	10	35,45	90 x 3"	RG0122	16	25	29,15
110 x 4" x 110	RTP004	16	10	57,92	110 x 4"	RG0128	16	14	50,40

25 x 20 x 1/2"	RMN009	16	300	1,49
25 x 20 x 3/4"	RNP156	16	250	1,31
32 x 25 x 1/2"	RAD002	16	400	1,66
32 x 25 x 3/4"	RMN010	16	400	1,50
32 x 25 x 1"	RNP154	16	350	1,57
40 x 32 x 3/4"	RAD004	16	300	1,87
40 x 32 x 1"	RMN011	16	250	1,87
40 x 32 x 1 1/4"	RAD165	16	200	2,20
50 x 40 x 1"	RAD166	16	160	3,02
50 x 40 x 1 1/4"	RMN012	16	150	2,71
50 x 40 x 1 1/2"	RAD011	16	140	3,12
63 x 50 x 1 1/4"	RAD005	16	120	4,59
63 x 50 x 1 1/2"	RMN005	16	120	4,18
63 x 50 x 2"	RNP153	16	100	4,18
75 x 63 x 1 1/2"	RAD006	16	70	6,10
75 x 63 x 2"	RMN001	16	70	5,57
75 x 63 x 2 1/2"	RNP155	16	50	12,18
90 x 75 x 2"	RAD007	16	45	13,05
90 x 75 x 2 1/2"	RMN003	16	45	15,93
90 x 75 x 3"	RNP150	16	60	15,19
110 x 90 x 2 1/2"	RAD008	16	45	19,56
110 x 90 x 3"	RMN004	16	45	17,47
110 x 90 x 4"	RNP151	16	30	21,82
125 x 110 x 3"	RAD009	16	30	24,96
125 x 110 x 4"	RMN002	16	30	25,82
125 x 110 x 5"	RNP152	16	30	40,84



PVC Fittings > Adaptor Fittings

Spigot plain/female threaded					Stainless stell reinforced socket					Stainless steel reinforced 90° elbow					Stainless steel reinforced 90° Tee				
																			
Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.
25 x ½"	RAD199	16	500	3,02	16 x ¾"	RMP050	16	2.300	6,39	20 x ½"	RG0281	16	1.000	8,13	20 x ½" x 20	RTP051	16	400	6,14
25 x ¾"	RAD051	16	450	3,20	20 x ½"	RMP051	16	350	4,32	25 x ¾"	RG0282	16	600	9,37	25 x ¾" x 25	RTP052	16	200	7,50
32 x ¾"	RAD155	16	250	2,85	25 x ¾"	RMP052	16	450	4,83	32 x 1"	RG0283	16	350	12,34	32 x 1" x 32	RTP053	16	100	8,34
32 x 1"	RAD052	16	250	3,76	32 x 1"	RMP053	16	250	4,79	40 x 1"¼	RG0284	16	200	15,61	40 x 1"¼ x 40	RTP054	16	70	10,07
40 x 1"	RRI079	16	200	3,96	40 x 1"¼	RMP054	16	180	6,23	50 x 1"½	RG0285	16	130	21,07	50 x 1"½ x 50	RTP055	16	80	14,64
40 x 1"¼	RAD053	16	180	3,71	50 x 1"½	RMP055	16	120	7,23	63 x 2"	RG0286	16	72	27,30	63 x 2" x 63	RTP056	16	50	17,87
50 x 1"¼	RAD206	16	140	4,66	63 x 2"	RMP056	16	120	9,93										
50 x 1"½	RAD054	16	110	4,62															
63 x 2"	RAD055	16	70	8,70															
75 x 2"	RRI084	16	60	11,16															
75 x 2"½	RAD056	16	80	15,82															
90 x 2"½	RAD197	16	45	17,30															
90 x 3"	RAD057	16	45	19,56															
110 x 3"	RAD210	16	30	24,30															
110 x 4"	RAD058	16	30	27,93															

SS reinforced M/F reduction



Ø	Code	PN	B.	€/ea.
25 x 20 x 1/2"	RRD200	16	500	4,07
32 x 25 x 3/4"	RRD201	16	250	4,13
40 x 32 x 1"	RRD202	16	200	4,82
50 x 40 x 1 1/4"	RRD203	16	140	5,61

Blanking flange					Full faced plain flange					Full faced threaded flange				
														
Ø	Code	PN	B.	€/ea.	Ø	Code	PN	Box	€/ea.	Ø	Code	PN	Box	€/ea.
32	RFG100	16	65	9,40	32	RFG056	16	50	9,29	1"	RFG049	16	144	14,06
40	RFG101	16	70	12,46	40	RFG057	16	50	12,13	1"¼	RFG050	16	70	20,28
50	RFG102	16	65	14,93	50	RFG058	16	48	14,49	1"½	RFG051	16	60	28,86
63	RFG103	16	40	15,66	63	RFG059	16	36	15,58	2"	RFG052	16	45	33,53
75	RFG104	16	35	17,69	75	RFG060	16	15	18,74	2"½	RFG053	16	25	45,22
90	RFG105	16	30	20,62	90	RFG061	16	10	22,29	3"	RFG054	16	18	55,36
110	RFG106	16	20	24,29	110	RFG062	16	20	25,96	4"	RFG055	16	12	68,60
125 - DN110	RFG107	16	18	42,65										
140	RFG118	16	15	50,71										
160	RFG119	16	10	46,81										
200	RFG120	10	10	166,59										
225	RFG121	10	10	177,33										





DESCRIPTION

Specifics

- Maximum pressure: 16 bar
- Maximum operating pressure referred to 20° C
- Max working temperature 60° C

Features

- ISO 9001 certifications: 2000
- WRAS: (certification for use with drinkable water)

Materials

- PA (fiberglass reinforced nylon)

Nipple					M/F 90° threaded elbow					Female threaded coupling					Female threaded 90° elbow				
																			
Ø	Code	PN	Box	€/ea.	Ø	Code	PN	Box	€/ea.	Ø	Code	PN	Box	€/ea.	Ø	Code	PN	Box	€/ea.
½"	SRNP050	16	800	2,02	½"	SRG0100	16	450	2,02	½"	SRMF050	16	950	2,08	½"	SRG0050	16	400	2,36
¾"	SRNP051	16	1.000	2,53	¾"	SRG0101	16	600	2,23	¾"	SRMF051	16	700	2,45	¾"	SRG0051	16	550	2,75
1"	SRNP052	16	600	2,95	1"	SRG0102	16	320	2,75	1"	SRMF052	16	450	2,82	1"	SRG0052	16	320	3,17
1¼"	SRNP053	16	360	4,18	1¼"	SRG0103	16	200	3,75	1¼"	SRMF053	16	280	5,20	1¼"	SRG0053	16	190	5,92
1½"	SRNP054	16	260	4,91	1½"	SRG0104	16	130	5,92	1½"	SRMF054	16	200	5,92	1½"	SRG0054	16	130	10,68
2"	SRNP055	16	140	6,33	2"	SRG0105	16	70	10,68	2"	SRMF055	16	120	8,96	2"	SRG0055	16	70	14,44
2½"	SRNP056	12	85	13,28						2½"	SRMF056	12	80	42,99	2½"	SRG0056	12	40	47,85
3"	SRNP057	10	64	16,88						3"	SRMF057	10	45	52,70	3"	SRG0057	10	10	65,22
4"	SRNP058	10	27	28,43						4"	SRMF058	10	24	68,01	4"	SRG0058	10	11	92,88

Male threaded plug					Female threaded cap					90° female threaded Tee					Knuckle union assembled unit 9° M/F				
																			
Ø	Code	PN	Box	€/ea.	Ø	Code	PN	Box	€/ea.	Ø	Code	PN	Box	€/ea.	Ø	Code	PN	Box	€/ea.
½"	SRTA001	16	550	1,28	½"	SRTA100	16	900	2,60	½"	SRTE001	16	250	3,33	¾"	SRBC010	16	5	39,07
¾"	SRTA002	16	700	1,64	¾"	SRTA101	16	700	2,96	¾"	SRTE002	16	360	3,45	1"	SRBC011	16	5	42,53
1"	SRTA003	16	500	1,99	1"	SRTA102	16	450	3,55	1"	SRTE003	16	200	4,29	1¼"	SRBC012	16	5	44,67
1¼"	SRTA004	16	280	2,37	1¼"	SRTA103	16	230	5,50	1¼"	SRTE004	16	110	7,83					
1½"	SRTA005	16	400	2,38	1½"	SRTA104	16	320	6,40	1½"	SRTE005	16	80	13,62					
2"	SRTA006	16	260	3,38	2"	SRTA105	16	220	8,14	2"	SRTE006	16	45	19,38					
2½"	SRTA007	12	60	9,79	2½"	SRTA106	12	60	12,51	2½"	SRTE007	12	15	61,04					
3"	SRTA008	10	90	12,51	3"	SRTA107	10	70	18,40	3"	SRTE008	10	19	79,01					
4"	SRTA009	10	27	23,99	4"	SRTA108	10	24	28,30	4"	SRTE009	10	9	119,29					

Barrel union F/F					Female straight coupling					Female straight threaded coupling					Reducer M/F				
																			
Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.
½"	SRBC001	16	270	6,78	½"F x ½"PG	SRPG001	16	10	4,06	½"F x ½"PG	SRPG010	16	850	13,19	½"M x ¾"F	SRMG001	16	240	2,40
¾"	SRBC002	16	370	7,63	¾"F x ½"PG	SRPG002	16	200	4,76										
1"	SRBC003	16	240	9,40	¾"F x ¾"PG	SRPG003	16	350	4,86										
1" x ¾"	SRBC004	16	240	9,78	1"F x ½"PG	SRPG004	16	150	5,26										
1"¼	SRBC005	16	150	11,96	1"F x ¾"PG	SRPG005	16	250	5,38										
1"¼ x 1	SRBC006	16	155	12,22															
1"½	SRBC007	16	100	16,89															
2"	SRBC008	16	70	25,20															



Various Fittings > Hansen Threaded

HANSEN

M/F reducing bush					Female threaded reduction coupling					Reduced nipple					Nut hose tail				
																			
Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.
¾" x ½"	SRRD001	16	1.400	1,79	¾" x ½"	SRMR001	16	400	2,15	¾" x ½"	SRNP100	16	500	2,52	¾" x ½"	SRPG011	16	340	15,46
1" x ½"	SRRD002	16	500	1,85	1" x ½"	SRMR002	16	270	2,51	1" x ½"	SRNP101	16	170	2,95	1" x ¾"	SRPG012	16	200	20,12
1" x ¾"	SRRD003	16	1.000	1,85	1" x ¾"	SRMR003	16	250	2,51	1" x ¾"	SRNP102	16	700	2,95	1"¼ x 1"	SRPG013	16	110	32,62
1"¼ x ½"	SRRD004	16	600	2,94	1"¼ x ¾"	SRMR004	16	160	3,58	1"¼ x ¾"	SRNP104	16	80	4,22	1"½ x 1"¼	SRPG014	16	60	39,22
1"¼ x ¾"	SRRD005	16	600	2,94	1"¼ x 1"	SRMR005	16	150	3,58	1"¼ x 1"	SRNP105	16	400	4,22	2" x 1"½	SRPG015	16	40	49,08
1"½ x 1"	SRRD006	16	700	2,94	1"½ x ¾"	SRMR006	16	150	6,11	1"½ x ¾"	SRNP107	16	120	4,88					
1"½ x ½"	SRRD007	16	500	5,34	1"½ x 1"	SRMR007	16	120	6,11	1"½ x 1"	SRNP108	16	310	4,88					
1"½ x ¾"	SRRD008	16	500	5,11	1"½ x 1"¼	SRMR008	16	110	5,62	1"½ x 1"¼	SRNP109	16	290	4,88					
1"½ x 1"	SRRD009	16	500	5,11	2" x ¾"	SRMR009	16	90	7,95	2" x ¾"	SRNP111	16	180	6,33					
1"½ x 1"¼	SRRD010	16	500	5,11	2" x 1"	SRMR010	16	90	7,95	2" x 1"	SRNP112	16	180	6,33					
2" x ½"	SRRD011	16	270	7,51	2" x 1"¼	SRMR011	16	70	7,95	2" x 1"¼	SRNP113	16	160	6,33					
2" x ¾"	SRRD012	16	280	6,46	2" x 1"½	SRMR012	16	70	7,28	2" x 1"½	SRNP114	16	160	6,33					
2" x 1"	SRRD013	16	280	6,46	2"½ x 1"½	SRMR013	12	110	36,50	2"½ x 1"¼	SRNP115	12	100	12,51					
2" x 1"¼	SRRD014	16	280	6,46	2"½ x 2"	SRMR014	12	40	36,50	2"½ x 1"½	SRNP116	12	100	12,51					
2" x 1"½	SRRD015	16	280	6,46	3" x 2"	SRMR015	10	60	45,73	2"½ x 2"	SRNP117	12	40	12,51					
2"½ x 1"¼	SRRD016	12	70	13,28	3" x 2"½	SRMR016	10	25	45,73	3" x 1"½	SRNP118	10	70	16,55					
2"½ x 1"½	SRRD017	12	160	13,28	4" x 2"½	SRMR017	10	36	62,33	3" x 2"	SRNP119	10	96	16,55					
2"½ x 2"	SRRD018	12	150	13,28	4" x 3"	SRMR018	10	24	62,33	3" x 2"½	SRNP120	10	64	16,55					
3" x 1"½	SRRD019	10	40	16,88						4" x 2"	SRNP121	10	36	29,39					
3" x 2"	SRRD020	10	100	16,88						4" x 2"½	SRNP122	10	36	29,39					
3" x 2"½	SRRD021	10	50	16,88						4" x 3"	SRNP123	10	18	29,39					
4" x 2"	SRRD022	10	30	27,68															
4" x 2"½	SRRD023	10	30	27,68															
4" x 3"	SRRD024	10	63	27,68															

Female threaded tank fitting					Male threaded tank black fitting					Male threaded tank white fitting				
														
Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.
½"	RAT010	16	220	11,00	1"¼	RAT020	16	150	12,03	1"¼	RAT023	16	150	11,28
¾"	RAT011	16	160	12,07	1"½	RAT021	16	100	14,98	1"½	RAT024	16	50	15,85
1"	RAT012	16	110	14,47	2"	RAT022	16	60	19,28	2"	RAT025	16	60	20,65
1"¼	RAT013	16	70	16,93										
1"½	RAT014	16	55	23,74										
2"	RAT015	16	40	28,93										
3"	RAT016	10	18	72,35										
4"	RAT017	10	10	103,81										

Nut					Large nut				
									
Ø	Code	PN	Box	€/each	Ø	Code	PN	Box	€/each
½"	SRDD001	16	10	2,02	½"	SRDD005	16	10	2,85
¾"	SRDD002	16	10	2,28					
1"	SRDD003	16	10	2,68					
1"¼	SRDD004	16	10	3,25					

Various Fittings > Polypropylene Threaded



DESCRIPTION

Specifics

- Maximum pressure: 10 bar

Features

- Robust design for excellent mechanical features allowing long-term duration and break resistance

Materials

- Body: polypropylene

Nipple				90° elbow				Tee				Female cap			
															
Ø	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€
½"	RNP100	10	0,58	½"	RG0200	10	1,50	½"	RTE150	10	1,72	½"	RTA106	10	0,75
¾"	RNP101	10	0,63	¾"	RG0201	10	1,75	¾"	RTE151	10	2,05	¾"	RTA107	10	0,84
1"	RNP102	10	0,75	1"	RG0202	10	2,43	1"	RTE152	10	3,06	1"	RTA108	10	1,08
1¼"	RNP103	6	0,94	1¼"	RG0203	6	3,85	1¼"	RTE155	6	4,73	1¼"	RTA109	6	1,57
1½"	RNP104	6	1,80	1½"	RG0204	6	4,90	1½"	RTE153	6	6,16	1½"	RTA110	6	1,72
2"	RNP105	6	2,14	2"	RG0205	6	6,33	2"	RTE154	6	8,00	2"	RTA111	6	2,51
2½"	RNP106	6	5,32	2½"	RG0206	6	14,47	2½"	RTE156	6	23,19	2½"	RTA125	6	8,14
3"	RNP107	6	5,93	3"	RG0207	6	19,75	3"	RTE157	6	34,22	3"	RTA126	6	11,37
4"	RNP108	6	10,64	4"	RG0208	6	24,68	4"	RTE158	6	44,08	4"	RTA127	6	19,05

Plug				M/F reduction				Reduced sleeve				Reduced nipple			
															
Ø	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€
½"	RTA100	10	0,79	¾" x ½"	RRD050	10	1,02	¾" x ½"	RMR050	10	1,94	¾" x ½"	RNP050	10	0,65
¾"	RTA101	10	0,92	1" x ½"	RRD051	10	1,26	1" x ½"	RMR051	10	2,26	1" x ½"	RNP052	10	0,79
1"	RTA102	10	0,94	1" x ¾"	RRD052	10	1,26	1" x ¾"	RMR052	10	2,26	1" x ¾"	RNP055	10	0,79
1¼"	RTA103	6	1,57	1" ¼ x ½"	RRD058	6	2,51	1" ¼ x 1"	RMR054	6	3,33	1" ¼ x ¾"	RNP053	6	1,80
1½"	RTA104	6	1,83	1" ¼ x ¾"	RRD054	6	2,51	1" ½ x 1"	RMR056	6	5,62	1" ¼ x 1"	RNP054	6	1,46
2"	RTA105	6	2,22	1" ¼ x 1"	RRD055	6	2,51	1" ½ x 1" ¼"	RMR057	6	5,11	1" ½ x 1"	RNP056	6	1,70
2½"	RTA120	6	4,62	1" ½ x ½"	RRD056	6	3,82	2" x 1"	RMR059	6	7,18	1" ½ x 1" ¼"	RNP051	6	1,70
3"	RTA121	6	5,78	1" ½ x ¾"	RRD057	6	3,82	2" x 1" ¼"	RMR060	6	7,18	2" x ¾"	RNP060	6	2,73
				1" ½ x 1"	RRD059	6	3,82	2" x 1" ½"	RMR061	6	6,59	2" x 1"	RNP058	6	2,32
				1" ½ x 1" ¼"	RRD053	6	3,82					2" x 1" ¼"	RNP061	6	2,10
				2" x ½"	RRD064	6	4,88					2" x 1" ½"	RNP057	6	2,39
				2" x ¾"	RRD060	6	4,88					3" x 2" ½"	RNP062	6	3,50
				2" x 1"	RRD061	6	4,88								
				2" x 1" ¼"	RRD065	6	4,88								
				2" x 1" ½"	RRD063	6	4,88								
				3" x 2"	RRD066	6	11,60								
				3" x 2" ½"	RRD067	6	11,60								
				4" x 2"	RRD068	6	14,50								
				4" x 3"	RRD069	6	14,50								

Sleeve			
			
Ø	Code	PN	€
½"	RMF100	10	0,93
¾"	RMF101	10	1,15
1"	RMF102	10	1,32
1¼"	RMF103	6	2,72
1½"	RMF104	6	4,11
2"	RMF105	6	5,45
2½"	RMF106	6	16,89
3"	RMF107	6	20,06



Various Fittings > Polypropylene Threaded with O-Ring



DESCRIPTION

Specifics

- Maximum pressure: 10 bar

- Preassembled o-ring

Features

- With o-ring (self-grip system allowing to spare work, Teflon and locking by no tools)

Materials

- Body: polypropylene
- O-ring: EPDM

- Threadings: BSPT

Reduced nipple with o-ring				Nipple with o-ring				90° elbow with o-ring				Plug with o-ring			
															
Ø	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€
¾" x ½"	RNP140	10	0,51	½"	RNP131	10	0,46	½"	RG0160	10	2,22	½"	RTA130	10	0,46
1" x ½"	RNP144	10	1,04	¾"	RNP132	10	0,52	¾"	RG0161	10	2,59	¾"	RTA131	10	0,51
1" x ¾"	RNP141	10	1,04	1"	RNP133	10	1,12	1"	RG0162	10	2,88	1"	RTA132	10	1,12
1"¼ x 1"	RNP142	6	2,14	1"¼	RNP134	6	2,28	1"¼	RG0163	6	5,68	1"¼	RTA133	6	1,97
1"½ x 1"	RNP143	6	2,51	1"½	RNP135	6	2,68	1"½	RG0164	6	6,72	1"½	RTA134	6	2,12
1"½ x 1"¼	RNP146	6	2,51	2"	RNP136	6	3,63	2"	RG0165	6	10,82	2"	RTA135	6	2,51
2" x 1"½	RNP149	6	3,53												

*While stocks last

Coupling with o-ring				Tee with o-ring			
							
Ø	Code	PN	€	Ø	Code	PN	€
½"	RMF130	10	0,87	½"	RTE130	10	2,39
¾"	RMF131	10	1,19	¾"	RTE131	10	2,97
1"	RMF132	10	1,70	1"	RTE132	10	3,28
1"¼	RMF134	6	2,52	1"¼	RTE133	6	6,36
1"½	RMF135	6	4,79	1"½	RTE134	6	7,25
2"	RMF136	6	6,84	2"	RTE135	6	12,16



DESCRIPTION

Specifics

- Max pressure: 12,5 bar (6 bar double saddles)

Features

- 2 bolts: up to Ø 50
- 4 bolts: more than Ø 50
- Screw securing system
- Seal securing system
- Threadings: UNI EN 10226-1 (ISO 7/1)

Materials

- Body: hi-grade polypropylene black copolymer (PP-B)
- Bolts and washers: galvanized steel
- Seals: nitril rubber (NBR)

No stainless steel reinforce					Stainless steel reinforce									
														
Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.
20 x 1/2"	RPS001	10	400	2,97	20 x 1/2"	RPS099	12,5	400	4,00	110 x 3/4"	RPS140	10	38	10,54
25 x 1/2"	RPS002	10	300	3,12	25 x 1/2"	RPS103	12,5	300	4,00	110 x 1"	RPS133	10	36	10,54
25 x 3/4"	RPS003	10	300	3,12	25 x 3/4"	RPS102	12,5	300	4,00	110 x 1 1/4"	RPS139	10	36	10,54
32 x 1/2"	RPS004	10	150	3,12	32 x 1/2"	RPS100	12,5	150	4,35	110 x 1 1/2"	RPS131	10	36	10,54
32 x 3/4"	RPS005	10	150	3,12	32 x 3/4"	RPS106	12,5	150	4,35	110 x 2"	RPS132	10	30	10,54
32 x 1"	RPS006	10	150	3,12	32 x 1"	RPS101	12,5	150	4,35	125 x 3/4"	RPS148	10	30	14,30
40 x 1/2"	RPS007	10	150	3,81	40 x 1/2"	RPS104	12,5	150	4,75	125 x 1"	RPS134	10	30	14,30
40 x 3/4"	RPS008	10	150	3,81	40 x 3/4"	RPS105	12,5	150	4,75	125 x 1 1/4"	RPS146	10	30	14,30
40 x 1"	RPS009	10	150	3,81	40 x 1"	RPS127	12,5	150	4,75	125 x 1 1/2"	RPS125	10	30	14,30
50 x 1/2"	RPS010	10	100	3,93	50 x 1/2"	RPS107	12,5	100	5,60	125 x 2"	RPS135	10	25	14,30
50 x 3/4"	RPS011	10	100	3,93	50 x 3/4"	RPS108	12,5	100	5,60	140 x 1 1/2"	RPS136	10	24	21,03
50 x 1"	RPS012	10	100	3,93	50 x 1"	RPS109	12,5	100	5,60	140 x 2"	RPS126	10	20	21,03
50 x 1 1/4"	RPS034	6	100	3,93	50 x 1 1/4"	RPS130	12,5	100	5,83	160 x 1"	RPS143	10	20	29,81
63 x 1/2"	RPS013	10	70	4,82	63 x 1/2"	RPS110	12,5	70	6,61	160 x 1 1/4"	RPS147	10	20	29,81
63 x 3/4"	RPS014	10	70	4,82	63 x 3/4"	RPS111	12,5	70	6,61	160 x 1 1/2"	RPS129	10	20	29,81
63 x 1"	RPS015	10	70	4,82	63 x 1"	RPS112	12,5	70	6,61	160 x 2"	RPS138	10	20	29,81
63 x 1 1/4"	RPS017	6	70	4,82	63 x 1 1/4"	RPS114	12,5	70	6,61	180 x 2"	RPS144	10	16	49,67
63 x 1 1/2"	RPS016	6	60	4,82	63 x 1 1/2"	RPS113	12,5	60	6,61					
75 x 1/2"	RPS018	10	60	7,58	75 x 1/2"	RPS115	12,5	60	8,25					
75 x 3/4"	RPS019	10	55	7,58	75 x 3/4"	RPS116	12,5	55	8,25					
75 x 1"	RPS020	10	55	7,58	75 x 1"	RPS117	10	55	8,25					
75 x 1 1/4"	RPS021	6	55	7,58	75 x 1 1/4"	RPS118	10	55	8,25					
75 x 1 1/2"	RPS022	6	50	7,58	75 x 1 1/2"	RPS119	10	50	8,25					
75 x 2"	RPS029	6	50	7,58	75 x 2"	RPS120	10	50	8,25					
90 x 1/2"	RPS024	10	45	8,80	90 x 1/2"	RPS121	12,5	45	9,44					
90 x 3/4"	RPS025	10	45	8,80	90 x 3/4"	RPS122	12,5	45	9,44					
90 x 1"	RPS026	10	45	8,80	90 x 1"	RPS123	10	45	9,44					
90 x 1 1/4"	RPS030	6	40	8,80	90 x 1 1/4"	RPS142	10	40	9,44					
90 x 1 1/2"	RPS028	6	40	8,80	90 x 1 1/2"	RPS128	10	40	9,44					
90 x 2"	RPS027	6	40	8,80	90 x 2"	RPS124	10	40	9,44					
110 x 3/4"	RPS039	6	38	10,08										
110 x 1 1/2"	RPS041	6	36	10,08										
110 x 2"	RPS036	6	30	10,08										
125 x 3/4"	RPS042	6	30	12,72										



DESCRIPTION

Specifics

- Maximum pressure: 10 bar

Features

- 2 bolts: up to Ø 50
- 4 bolts: more than Ø 50
- Screw securing system
- Seal securing system
- Standards of reference: ISO 13460-AS/NZS4129
- Threadings: UNI EN 10226-1 (ISO 7/1)

Materials

- Body: hi-grade polypropylene black copolymer (PP-B)
- Bolts and washers: galvanized steel
- Seals: NBR 70 SH nitril rubber

No stainless steel reinforced					With reinforced, stainless steel, anti-rotation hose bolts				
									
Ø	Code	PN	Box	€/ea.	Ø	Code	PN	Box	€/ea.
20 x 1/2"	RPS500	10	200	1,30	25 x 1/2"	RPS301	16	180	4,79
25 x 1/2"	RPS501	10	180	1,58	25 x 3/4"	RPS302	16	180	4,79
25 x 3/4"	RPS502	10	180	1,58	32 x 1/2"	RPS303	16	150	5,07
32 x 1/2"	RPS503	10	150	1,68	32 x 3/4"	RPS304	16	150	5,07
32 x 3/4"	RPS504	10	150	1,68	32 x 1"	RPS305	16	120	5,55
32 x 1"	RPS505*	10	150	1,53	40 x 1/2"	RPS306	16	100	6,18
40 x 1/2"	RPS506	10	100	2,20	40 x 3/4"	RPS307	16	100	6,18
40 x 3/4"	RPS507	10	100	2,20	40 x 1"	RPS308	16	100	6,18
40 x 1"	RPS508	10	100	2,20	50 x 1/2"	RPS309	16	80	8,48
50 x 1/2"	RPS509	10	80	2,29	50 x 3/4"	RPS300	16	80	8,48
50 x 3/4"	RPS510	10	80	2,29	50 x 1"	RPS310	16	80	8,48
50 x 1"	RPS511	10	80	2,29	63 x 1/2"	RPS311	16	50	10,09
63 x 1/2"	RPS513	10	90	3,44	63 x 3/4"	RPS312	16	50	10,09
63 x 3/4"	RPS514	10	90	3,44	63 x 1"	RPS313	16	50	10,09
63 x 1"	RPS515	10	90	3,44	63 x 1 1/4"	RPS314	16	50	10,09
63 x 1 1/4"	RPS516	6	90	3,44	63 x 1 1/2"	RPS315	16	40	11,86
63 x 1 1/2"	RPS517	6	90	3,44	75 x 1/2"	RPS316	16	40	10,88
75 x 1/2"	RPS518	10	60	4,87	75 x 3/4"	RPS317	16	40	10,88
75 x 3/4"	RPS519	10	60	4,87	75 x 1"	RPS318	16	40	10,88
75 x 1"	RPS520	10	60	4,87	75 x 1 1/4"	RPS319	16	40	10,88
75 x 1 1/4"	RPS521	6	60	4,87	75 x 1 1/2"	RPS320	16	35	14,58
75 x 1 1/2"	RPS522	6	60	4,99	75 x 2"	RPS321	16	30	14,58
75 x 2"	RPS523	6	60	4,99	90 x 1/2"	RPS322	16	30	14,58
90 x 1/2"	RPS524	6	50	5,11	90 x 3/4"	RPS323	16	30	14,58
90 x 3/4"	RPS525	6	50	5,11	90 x 1"	RPS324	16	30	14,58
90 x 1"	RPS526	6	50	5,11	90 x 1 1/4"	RPS325	16	30	14,58
90 x 1 1/4"	RPS527	6	50	5,11	90 x 1 1/2"	RPS326	16	25	15,89
90 x 1 1/2"	RPS528	6	50	5,20	90 x 2"	RPS327	16	25	15,89
90 x 2"	RPS529	6	50	5,20	110 x 1/2"	RPS328	16	20	19,04
110 x 1/2"	RPS530	6	40	5,88	110 x 1"	RPS330	16	20	19,04
110 x 3/4"	RPS531	6	40	5,88	110 x 1 1/2"	RPS332	16	15	20,45
110 x 1"	RPS532	6	40	5,88	160 x 1"	RPS341	16	10	33,94
110 x 1 1/4"	RPS533	6	40	5,88					
110 x 1 1/2"	RPS534	6	40	5,88					
110 x 2"	RPS535	6	40	5,88					

*While stocks last





DESCRIPTION

Application

- PEAD fittings for plastic piping systems
- Industry, agriculture, water conveyance

Specifics

- Maximum pressure: 16-25 bar

Features

- Standards of reference: UNI EN 12201-UNI EN 12201/ food fluids, in compliance with Ministry of Health rules: C.M. n. 102 dtd 12/02/1978/ D.M. n. 174 dtd 04/06/2004
- EN ISO 15494-UNI EN 1555/UNI ISO 4437 type 316-UNI
- EN 12666-UNI EN 1092-UNI 9736
- Fittings suitable for drinkable water conveyance and ISO TR 7474 chemical resistance

Materials

- High-density polyethylene - PE100/MRS10

Various Fittings > Electrofusion



Coupling					End Plug					45° elbow					90° elbow				
																			
Ø	Code	PN	Box	€/each	Ø	Code	PN	Box	€/each	Ø	Code	PN	Box	€/each	Ø	Code	PN	Box	€/each
20	ABGE001	16 - 25	100	6,47	20	ATAE050	16	100	14,21	20	AGOE029	16	80	18,66	20	AGOE001	16	50	17,92
25	ABGE002	16 - 25	80	6,89	25	ATAE051	16	80	14,95	25	AGOE030	16	60	18,66	25	AGOE002	16	50	18,45
32	ABGE003	16 - 25	50	7,21	32	ATAE052	16	60	17,07	32	AGOE031	16	40	19,72	32	AGOE003	16	40	18,45
40	ABGE004	16 - 25	32	7,95	40	ATAE053	16	30	18,98	40	AGOE032	16	20	25,23	40	AGOE004	16	20	24,60
50	ABGE005	16 - 25	24	10,92	50	ATAE054	16	24	28,31	50	AGOE033	16	8	29,79	50	AGOE005	16	15	29,58
63	ABGE006	16 - 25	15	11,45	63	ATAE055	16	15	31,38	63	AGOE018	16	12	31,17	63	AGOE006	16	9	31,80
75	ABGE007	16 - 25	10	17,92	75	ATAE056	16	10	49,19	75	AGOE019	16	6	44,42	75	AGOE007	16	5	44,42
90	ABGE008	16 - 25	8	19,40	90	ATAE057	16	12	70,18	90	AGOE020	16	9	52,69	90	AGOE008	16	6	51,73
110	ABGE009	16 - 25	4	24,28	110	ATAE058	16	8	89,15	110	AGOE021	16	5	74,84	110	AGOE009	16	4	73,57
125	ABGE010	16 - 25	6	34,35	125	ATAE059	16	6	108,87	125	AGOE022	16	5	98,90	125	AGOE010	16	3	100,17
140	ABGE011	16 - 25	4	48,23	140	ATAE060	16	4	145,12	160	AGOE024	16	2	189,43	160	AGOE012	16	1	190,59
160	ABGE012	16 - 25	4	51,41	160	ATAE061	16	3	153,70	180	AGOE025	16	1	338,78	180	AGOE013	16	1	344,29
180	ABGE013	16 - 25	7	69,75	180	ATAE062	16	3	202,89	200	AGOE026	16	1	424,43	200	AGOE014	16	1	430,68
200	ABGE014	16 - 25	6	76,01	200	ATAE063	16	3	237,34	225	AGOE027	16	1	620,63	225	AGOE015	16	1	620,63
225	ABGE015	16 - 25	5	122,86	225	ATAE064	16	2	301,26										
250	ABGE016	16 - 25	1	183,81	250	ATAE065	16	4	448,81										
280	ABGE018	16 - 25	1	247,09	280	ATAE066	16	1	620,95										
315	ABGE017	16 - 25	1	291,40	315	ATAE067	16	2	780,80										

Various Fittings > Electrofusion



Spigot saddle					Tapping saddle					Tapping saddle with valve				
														
Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.
63 x 32	ACLE010	16	70	55,87	63 x 32	ACPE103	16	10	77,38	63 x 32	ACVE001	16	8	437,04
75 x 32	ACLE014	16	40	57,14	63 x 63	ACPE105	16	9	85,02	90 x 32	ACVE002	16	6	462,38
75 x 50	ACLE016	16	30	60,95	90 x 32	ACPE108	16	8	87,45	110 x 63	ACVE003	16	8	475,10
90 x 32	ACLE018	16	30	61,48	90 x 63	ACPE109	16	6	92,22	125 x 63	ACVE004	16	5	481,35
90 x 50	ACLE020	16	30	61,48	110 x 32	ACPE110	16	6	95,09	160 x 63	ACVE006	16	6	493,96
90 x 63	ACLE021	16	20	63,39	110 x 63	ACPE112	16	6	101,34	180 x 63	ACVE007	16	6	544,63
110 x 32	ACLE030	16	30	67,63	125 x 32	ACPE113	16	8	107,81	200 x 63	ACVE008	16	6	557,35
110 x 63	ACLE022	16	20	95,09	125 x 63	ACPE114	16	5	120,42	225 x 63	ACVE009	16	6	639,40
110 x 90	ACPE016	16	15	141,41	160 x 32	ACPE118	16	10	133,14					
125 x 32	ACLE033	16	30	71,34	160 x 63	ACPE120	16	8	158,47					
125 x 63	ACPE024	16	20	95,09	200 x 32	ACPE122	16	6	202,68					
125 x 90	ACPE017	16	15	164,83	200 x 63	ACPE124	16	6	209,04					
140 x 32	ACLE035	16	30	88,73	225 x 32	ACPE125	16	6	221,76					
140 x 63	ACLE007	16	30	88,73	225 x 63	ACPE126	16	6	240,73					
160 x 32	ACLE038	16	30	92,22										
160 x 63	ACLE511	16	30	101,34										
160 x 90	ACPE019	16	6	177,34										
160 x 110	ACPE020	16	6	183,81										
180 x 32	ACLE042	16	30	95,09										
180 x 63	ACLE045	16	30	107,81										
180 x 90	ACLE032	16	6	166,00										
180 x 110	ACLE049	16	6	177,34										
200 x 32	ACLE050	16	30	124,24										
225 x 32	ACLE051	16	30	141,94										
225 x 63	ACLE052	16	30	143,21										
225 x 90	ACPE022	16	8	183,81										
225 x 110	ACLE053	16	6	184,44										
250 x 63	ACLE048	16	30	190,06										
250 x 90	ACLE512	16	6	202,68										
315 x 63	ACLE060	16	7	202,68										

90° tee					Reduction					Ball valve				
														
Ø	Code	PN	Box	€/each	Ø	Code	PN	Box	€/each	Ø	Code	PN	B.	€/each
20	ATEE049	16	50	19,72	25 x 20	AMRE001	16	70	13,57	32	AVSE003	16	1	329,35
25	ATEE050	16	40	20,36	32 x 20	AMRE002	16	50	14,84	50	AVSE005	16	1	411,71
32	ATEE052	16	25	21,52	32 x 25	AMRE003	16	50	14,84	63	AVSE006	16	1	557,35
40	ATEE053	16	18	24,81	40 x 20	AMRE023	16	40	17,07	90	AVSE008	16	1	835,92
50	ATEE054	16	12	27,99	40 x 25	AMRE024	16	40	17,07	110	AVSE009	16	1	1.013,26
63	ATEE055	16	12	32,02	40 x 32	AMRE004	16	30	19,08	125	AVSE010	16	1	1.051,21
75	ATEE056	16	8	49,51	50 x 25	AMRE026	16	30	23,64	160	AVSE011	16	1	3.305,36
90	ATEE057	16	5	54,17	50 x 32	AMRE027	16	20	23,96	180	AVSE012	16	1	3.330,94
110	ATEE058	16	3	76,01	50 x 40	AMRE006	16	20	26,40	225	AVSE014	16	1	4.860,83
125	ATEE059	16	2	101,34	63 x 32	AMRE007	16	18	30,74					
160	ATEE061	16	1	205,33	63 x 40	AMRE008	16	14	30,74					
180	ATEE062	16	1	408,32	63 x 50	AMRE009	16	12	31,27					
200	ATEE063	16	1	526,93	75 x 50	AMRE011	16	12	40,60					
225	ATEE064	16	1	626,99	75 x 63	AMRE010	16	10	44,42					
					90 x 63	AMRE012	16	6	48,02					
					110 x 63	AMRE013	16	12	77,49					
					110 x 90	AMRE014	16	12	77,49					
					125 x 90	AMRE015	16	6	97,74					
					125 x 110	AMRE016	16	6	107,81					
					160 x 90	AMRE031	16	4	135,26					
					160 x 110	AMRE018	16	4	138,97					
					225 x 160	AMRE022	16	2	316,63					



45° elbow					90° elbow					Reduction									
Ø	Code	SDR-PN	B.	€/ea.	Ø	Code	SDR-PN	B.	€/ea.	Ø	Code	SDR-PN	B.	€/ea.	Ø	Code	SDR-PN	B.	€/ea.
63	AGOE155	11-16	60	15,27	63	AGOE096	11-16	50	15,27	63 x 32	ARDE047	11-16	30	9,01	75 x 63	ARDE056	17-10	15	16,67
75	AGOE156	11-16	20	19,08	75	AGOE097	11-16	30	20,36	63 x 40	ARDE003	11-16	30	9,01	90 x 63	ARDE058	17-10	12	23,35
90	AGOE157	11-16	25	23,54	90	AGOE098	11-16	24	23,54	63 x 50	ARDE004	11-16	25	9,97	90 x 75	ARDE059	17-10	12	23,53
110	AGOE158	11-16	12	41,87	110	AGOE103	11-16	12	43,25	75 x 50	ARDE006	11-16	20	16,54	110 x 63	ARDE060	17-10	8	31,38
125	AGOE163	11-16	10	59,68	125	AGOE104	11-16	24	59,68	75 x 63	ARDE007	11-16	15	16,54	110 x 90	ARDE062	17-10	5	31,38
140	AGOE130	11-16	8	82,47	140	AGOE105	11-16	20	82,47	90 x 63	ARDE009	11-16	12	20,36	125 x 63	ARDE063	17-10	6	37,71
160	AGOE159	11-16	6	88,73	160	AGOE099	11-16	20	88,73	90 x 75	ARDE010	11-16	12	20,36	125 x 90	ARDE065	17-10	12	37,71
180	AGOE160	11-16	2	108,97	180	AGOE113	11-16	5	111,62	110 x 63	ARDE012	11-16	8	26,72	125 x 110	ARDE066	17-10	4	37,80
200	AGOE167	11-16	2	145,12	200	AGOE110	11-16	1	161,02	110 x 90	ARDE014	11-16	5	26,72	140 x 125	ARDE070	17-10	2	53,39
225	AGOE168	11-16	1	215,18	250	AGOE109	11-16	1	411,92	125 x 63	ARDE015	11-16	6	29,15	160 x 90	ARDE071	17-10	2	72,47
250	AGOE169	11-16	3	332,00	280	AGOE102	11-16	1	614,80	125 x 90	ARDE048	11-16	12	31,80	160 x 110	ARDE072	17-10	2	72,66
280	AGOE170	11-16	3	614,80	315	AGOE111	11-16	1	768,50	125 x 110	ARDE049	11-16	4	31,80	160 x 125	ARDE073	17-10	2	72,66
315	AGOE171	11-16	1	768,50						140 x 125	ARDE019	11-16	2	45,69	180 x 125	ARDE076	17-10	1	94,15
										160 x 90	ARDE020	11-16	2	57,14	180 x 160	ARDE078	17-10	1	94,15
										160 x 110	ARDE021	11-16	2	57,14	200 x 160	ARDE103	17-10	1	103,20
63	AGOE137	17-10	60	16,64	90	AGOE112	17-10	24	22,90	160 x 125	ARDE022	11-16	2	57,14	225 x 160	ARDE084	17-10	1	166,02
75	AGOE138	17-10	20	21,89	110	AGOE123	17-10	12	40,01	160 x 140	ARDE023	11-16	2	57,14	250 x 200	ARDE088	17-10	1	234,78
90	AGOE139	17-10	25	21,54	125	AGOE820	17-10	24	58,75	180 x 125	ARDE024	11-16	1	97,74	280 x 250	ARDE090	17-10	1	312,92
110	AGOE140	17-10	12	40,01	140	AGOE115	17-10	20	86,46	180 x 160	ARDE026	11-16	1	97,74	315 x 200	ARDE091	17-10	1	402,59
125	AGOE141	17-10	10	51,27	160	AGOE124	17-10	20	92,90	200 x 160	ARDE028	11-16	1	107,81					
140	AGOE136	17-10	8	85,82	250	AGOE128	17-10	1	354,19	225 x 160	ARDE032	11-16	1	173,42					
160	AGOE142	17-10	6	95,88	280	AGOE121	17-10	1	534,85	250 x 160	ARDE033	11-16	1	233,63					
180	AGOE143	17-10	2	110,30	315	AGOE122	17-10	1	665,57	250 x 200	ARDE035	11-16	1	242,32					
200	AGOE892	17-10	2	143,19						280 x 250	ARDE037	11-16	1	323,41					
225	AGOE144	17-10	1	186,10						315 x 200	ARDE038	11-16	1	418,07					
250	AGOE145	17-10	3	354,19															
280	AGOE146	17-10	3	534,85															
315	AGOE147	17-10	1	665,57															

Various Fittings > Head-Head



Stub flange					90° Tee					Spigot end plug					Flange				
																			
Ø	Code	SDR-PN	B.	€/ea.	Ø	Code	SDR-PN	B.	€/ea.	Ø	Code	SDR-PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.
20	ACTE018	11-16	50	6,47	20	ATEE040	11-16	40	8,27	20	ATAE033	11-16	200	5,83	63-DN50	AFAE004	16	40	25,00
25	ACTE019	11-16	40	6,47	25	ATEE041	11-16	30	9,01	25	ATAE034	11-16	100	6,47	75-DN65	AFAE005	16	25	31,40
32	ACTE001	11-16	24	7,64	32	ATEE042	11-16	15	10,92	32	ATAE035	11-16	80	7,64	90-DN80	AFAE006	16	30	37,00
40	ACTE002	11-16	15	8,27	40	ATEE043	11-16	12	13,47	40	ATAE019	11-16	100	9,65	110-DN100	AFAE007	16	40	41,20
50	ACTE003	11-16	25	10,29	50	ATEE044	11-16	8	17,92	50	ATAE020	11-16	70	12,72	125-DN100	AFAE008	16	27	41,20
63	ACTE004	11-16	12	10,92	63	ATEE001	11-16	8	24,17	63	ATAE021	11-16	40	16,54	140-DN125	AFAE009	16	15	60,20
75	ACTE005	11-16	10	14,10	75	ATEE002	11-16	5	39,97	75	ATAE022	11-16	25	21,73	160-DN150	AFAE010	16	6	75,40
90	ACTE006	11-16	6	15,27	90	ATEE003	11-16	15	40,60	90	ATAE023	11-16	30	32,97	180-DN150	AFAE011	16	2	75,40
110	ACTE007	11-16	4	18,45	110	ATEE004	11-16	9	52,05	110	ATAE024	11-16	40	45,69	200-DN200	AFAE012	16	4	116,00
125	ACTE008	11-16	3	22,26	125	ATEE005	11-16	5	81,20	125	ATAE025	11-16	27	49,51	225-DN200	AFAE013	16	1	116,00
140	ACTE009	11-16	4	29,15	140	ATEE006	11-16	30	134,31	140	ATAE660	11-16	15	69,75	250-DN250	AFAE014	16	1	164,90
160	ACTE010	11-16	4	38,06	160	ATEE007	11-16	8	163,46	160	ATAE026	11-16	6	78,66	280-DN250	AFAE015	16	1	164,90
180	ACTE011	11-16	8	53,32	180	ATEE008	11-16	16	211,69	180	ATAE027	11-16	2	92,54	315-DN315	AFAE016	16	1	235,20
200	ACTE012	11-16	4	62,12	200	ATEE009	11-16	10	311,64	200	ATAE028	11-16	4	125,51	355-DN350	AFAE017	16	1	336,80
225	ACTE013	11-16	4	79,93	225	ATEE010	11-16	9	415,52	225	ATAE029	11-16	1	152,01	400-DN400	AFAE018	16	1	407,60
250	ACTE014	11-16	2	114,38	250	ATEE011	11-16	1	585,23	250	ATAE030	11-16	1	228,01					
280	ACTE015	11-16	2	186,99	280	ATEE045	11-16	1	877,79	280	ATAE031	11-16	1	323,09					
315	ACTE016	11-16	2	252,07	315	ATEE046	11-16	1	1.123,50	315	ATAE032	11-16	1	437,04					
355	ACTE017	11-16	1	391,04	355	ATEE047	11-16	1	2.216,36										
400	ACTE594	11-16	1	688,58	400	ATEE048	11-16	1	3.153,61										
63	ACTE023	17-10	12	8,62	75	ATEE032	17-10	5	33,83	63	ATAE001	17-10	40	13,89					
75	ACTE024	17-10	10	11,98	90	ATEE012	17-10	15	34,66	75	ATAE002	17-10	25	18,01					
90	ACTE025	17-10	6	15,35	110	ATEE013	17-10	9	46,19	90	ATAE003	17-10	30	29,71					
110	ACTE026	17-10	4	19,24	125	ATEE014	17-10	5	70,95	110	ATAE004	17-10	40	40,35					
125	ACTE027	17-10	3	22,78	140	ATEE015	17-10	30	126,92	125	ATAE005	17-10	27	43,59					
140	ACTE028	17-10	4	30,37	160	ATEE016	17-10	8	138,48	140	ATAE006	17-10	15	66,34					
160	ACTE029	17-10	4	33,91	180	ATEE017	17-10	16	180,31	160	ATAE007	17-10	6	66,34					
180	ACTE030	17-10	8	55,55	200	ATEE018	17-10	10	236,07	180	ATAE008	17-10	2	79,31					
200	ACTE031	17-10	4	61,44	225	ATEE019	17-10	9	327,91	200	ATAE009	17-10	4	100,68					
225	ACTE032	17-10	4	73,20						225	ATAE010	17-10	1	173,16					
250	ACTE033	17-10	2	104,18						250	ATAE011	17-10	1	236,28					
280	ACTE034	17-10	2	155,07						280	ATAE012	17-10	1	307,45					
315	ACTE035	17-10	2	203,44						315	ATAE013	17-10	1	355,90					
355	ACTE036	17-10	1	351,67															
400	ACTE037	17-10	1	620,41															



Metal Fittings > Galvanized, Cast Iron



DESCRIPTION

Application

- Joining and formation of hydraulic structures with tight seat

Specifics

- Thread in compliance with DIN 2999-259 (ISO 7/1-228)
- Hydraulic seal by Teflon for < 2" diameter, hemp and paste for larger diameters

Materials

- Malleable cast iron
- Galvanizing by hot immersion complying with rules: UNE 37501-88 (DIN 2444/ISO1460)

Cross					Tee					M/F straight union					M/F curved union				
																			
Ø	Code	PN	Box	€/each	Ø	Code	PN	Box	€/each	Ø	Code	PN	Box	€/each	Ø	Code	PN	Box	€/each
½"	FCR001	25	10	7,00	½"	FTZ009	25	10	2,00	½"	FBZ010	25	10	7,30	½"	FBZ060	25	10	10,00
¾"	FCR002	25	10	10,50	¾"	FTZ001	25	10	3,40	¾"	FBZ011	25	10	8,80	¾"	FBZ061	25	10	12,70
1"	FCR003	25	10	12,90	1"	FTZ002	25	10	5,00	1"	FBZ012	25	10	10,90	1"	FBZ062	25	10	17,40
1¼"	FCR005	25	1	17,30	1¼"	FTZ003	25	1	8,80	1¼"	FBZ014	25	1	17,30	1¼"	FBZ063	25	1	29,10
1½"	FCR006	25	1	23,10	1½"	FTZ004	25	1	13,60	1½"	FBZ013	25	1	22,10	1½"	FBZ064	25	1	35,60
2"	FCR007	25	1	34,40	2"	FTZ005	25	1	19,10	2"	FBZ015	25	1	35,20	2"	FBZ065	25	1	58,80
2½"	FCR009	25	1	77,80	2½"	FTZ006	25	1	35,57	2½"	FBZ016	25	1	77,10	2½"	FBZ066	25	1	130,60
3"	FCR008	25	1	89,60	3"	FTZ007	25	1	47,81	3"	FBZ017	25	1	120,60	3"	FBZ067	25	1	175,00
					4"	FTZ010	25	1	93,28										

Nipple					F/F coupling					M/F elbow					F/F elbow				
																			
Ø	Code	PN	Box	€/each	Ø	Code	PN	Box	€/each	Ø	Code	PN	Box	€/each	Ø	Code	PN	Box	€/each
½"	FNZ002	25	10	1,50	½"	FMA001	25	10	1,70	½"	FGT001	25	10	1,70	½"	FGT020	25	10	1,50
¾"	FNZ001	25	10	2,00	¾"	FMA002	25	10	2,30	¾"	FGT002	25	10	2,70	¾"	FGT021	25	10	2,30
1"	FNZ003	25	10	2,80	1"	FMA003	25	10	3,00	1"	FGT003	25	10	4,40	1"	FGT022	25	10	3,40
1¼"	FNZ004	25	1	4,70	1¼"	FMA004	25	1	4,70	1¼"	FGT004	25	1	7,60	1¼"	FGT023	25	1	6,50
1½"	FNZ005	25	1	5,40	1½"	FMA005	25	1	6,80	1½"	FGT005	25	1	11,30	1½"	FGT024	25	1	10,40
2"	FNZ006	25	1	9,80	2"	FMA006	25	1	10,00	2"	FGT006	25	1	14,90	2"	FGT025	25	1	12,30
2½"	FNZ007	25	1	14,00	2½"	FMA007	25	1	22,74	2½"	FGT007	25	1	30,32	2½"	FGT026	25	1	29,15
3"	FNZ008	25	1	16,91	3"	FMA008	25	1	27,41	3"	FGT008	25	1	39,65	3"	FGT027	25	1	39,65
4"	FNZ010	25	1	62,97	4"	FMA009	25	1	77,50	4"	FGT009	25	1	68,22	4"	FGT028	25	1	71,13



Metal Fittings > Galvanized, Cast Iron

Cap					Plug					Extension					
															
Ø	Code	PN	Box	€/ea.	Ø	Code	PN	Box	€/ea.	Ø	cm	Code	PN	Box	€/ea.
½"	FTZ078	25	10	1,99	½"	FTZ051	25	10	1,20	¾"	20	FPR010	25	1	3,61
¾"	FTZ070	25	10	2,10	¾"	FTZ050	25	10	1,60	1"	20	FPR011	25	1	5,24
1"	FTZ071	25	10	2,22	1"	FTZ052	25	10	1,80	¾"	150	FPR038	25	1	25,54
1¼"	FTZ077	25	1	3,39	1¼"	FTZ053	25	1	3,30	1"	150	FPR039	25	1	37,45
1½"	FTZ072	25	1	4,32	1½"	FTZ054	25	1	4,00	1¼"	150	FPR040	25	1	49,37
2"	FTZ073	25	1	8,05	2"	FTZ055	25	1	7,10	1½"	150	FPR041	25	1	57,87
2½"	FTZ074	25	1	17,10	2½"	FTZ056	25	1	15,60	2"	150	FPR042	25	1	78,30
3"	FTZ075	25	1	15,75	3"	FTZ057	25	1	20,00	1¾"	200	FPR043	25	1	65,78
4"	FTZ079	25	1	41,20	4"	FTZ058	25	1	35,30	1½"	200	FPR044	25	1	77,14
										2"	200	FPR045	25	1	104,36
										1½"	300	FPR046	25	1	115,71
										2"	300	FPR047	25	1	156,54

M/F reduction					M/F reduced coupling					Reduced nipple				
														
Ø	Code	PN	Box	€/ea.	Ø	Code	PN	Box	€/ea.	Ø	Code	PN	Box	€/ea.
¾" x ½"	FRD001	25	10	1,60	¾" x ½"	FMA020	25	10	3,10	½" x ¾"	FNZ037	25	100	3,60
1" x ½"	FRD002	25	10	2,20	1" x ½"	FMA021	25	10	4,70	¾" x ½"	FNZ036	25	100	3,10
1" x ¾"	FRD003	25	10	2,10	1" x ¾"	FMA022	25	10	4,90	1" x ½"	FNZ039	25	70	6,20
1¼" x ½"	FRD004	25	1	3,80	1¼" x 1"	FMA024	25	1	5,50	1" x ¾"	FNZ038	25	70	3,60
1¼" x ¾"	FRD005	25	1	3,40	1½" x 1"	FMA025	25	1	10,50	1¼" x ½"	FNZ040	25	50	9,50
1¼" x 1"	FRD006	25	1	2,69	1½" x 1¼"	FMA028	25	1	9,20	1¼" x ¾"	FNZ041	25	50	8,10
1½" x ¾"	FRD007	25	1	5,60	2" x 1¼"	FMA026	25	1	14,80	1¼" x 1"	FNZ015	25	50	5,60
1½" x 1"	FRD008	25	1	3,80	2" x 1½"	FMA027	25	1	15,60	1½" x ¾"	FNZ042	25	50	8,20
1½" x 1¼"	FRD009	25	1	3,80						1½" x 1"	FNZ016	25	40	12,90
2" x ¾"	FRD010	25	1	10,00						1½" x 1¼"	FNZ021	25	30	7,00
2" x 1"	FRD011	25	1	8,20						2" x 1¼"	FNZ022	25	10	14,50
2" x 1¼"	FRD012	25	1	7,80						2" x 1½"	FNZ020	25	10	13,20
2" x 1½"	FRD013	25	1	7,00										
2½" x 1"	FRD014	25	1	16,10										
2½" x 1¼"	FRD015	25	1	18,60										
2½" x 1½"	FRD016	25	1	17,50										
2½" x 2"	FRD017	25	1	13,40										
3" x 2"	FRD021	25	1	17,30										
3" x 2½"	FRD022	25	1	19,60										



Metal Fittings > Brass



DESCRIPTION

Application

- Jointing and formation of hydraulic structures with tight seat

Specifics

- Thread complying with UNI EN 12165/EN 12164/EN 10226-1, IMO OSP 228.1
- Made from coextruded bar or hot moulding
- Hydraulic seal by Teflon for < 2" diameters, hemp and paste for larger diameters

Materials

- Brass - lead < 1,8%

Nipple				F/F coupling				M/F elbow				F/F elbow				Cross			
																			
Ø	Code	B.	€/each	Ø	Code	B.	€/each	Ø	Code	B.	€/each	Ø	Code	B.	€/each	Ø	Code	B.	€/each
½"	FN0002	10	2,80	½"	FM0001	10	3,82	½"	FG0002	10	5,58	½"	FG0011	10	5,08	½"	FC0011	10	9,21
¾"	FN0003	10	4,25	¾"	FM0002	10	5,85	¾"	FG0003	10	8,62	¾"	FG0012	10	8,76	¾"	FC0012	10	16,24
1"	FN0004	10	6,66	1"	FM0003	10	9,24	1"	FG0004	10	15,27	1"	FG0013	10	14,37	1"	FC0013	10	23,74
1"¼	FN0005	1	11,19	1"¼	FM0004	1	12,84	1"¼	FG0006	1	21,53	1"¼	FG0014	1	24,80	1"¼	FC0014	10	37,19
1"½	FN0006	1	13,41	1"½	FM0005	1	18,98	1"½	FG0007	1	28,16	1"½	FG0015	1	28,24				
2"	FN0007	1	22,37	2"	FM0006	1	33,45	2"	FG0008	1	55,63	2"	FG0016	1	47,80				

Tee				M/F straight union				M/F curved union				Cap				Plug			
																			
Ø	Code	B.	€/each	Ø	Code	B.	€/each	Ø	Code	B.	€/each	Ø	Code	B.	€/each	Ø	Code	B.	€/each
½"	FT0011	10	6,12	½"	FB0002	10	9,59	½"	FB0016	10	12,13	½"	FT0043	10	2,20	½"	FT0021	10	1,67
¾"	FT0012	10	11,04	¾"	FB0003	10	14,36	¾"	FB0017	10	21,40	¾"	FT0044	10	3,24	¾"	FT0022	10	2,80
1"	FT0013	10	17,74	1"	FB0005	10	25,21	1"	FB0018	10	32,99	1"	FT0045	10	5,13	1"	FT0023	10	4,93
1"¼	FT0014	1	26,62	1"¼	FB0006	1	42,68	1"¼	FB0019	1	35,12	1"¼	FT0046	1	7,50	1"¼	FT0024	1	8,47
1"½	FT0015	1	35,74	1"½	FB0007	1	65,05	1"½	FB0020	1	83,86	1"½	FT0047	1	11,46	1"½	FT0025	1	12,60
2"	FT0016	1	66,01	2"	FB0008	1	102,89	2"	FB0021	1	213,00	2"	FT0048	1	15,88	2"	FT0026	1	22,50

Extension (20 cm)				M/F reduction				M/F reduced coupling				Reduced nipple			
															
Ø	Code	B.	€/each	Ø	Code	B.	€/each	Ø	Code	B.	€/each	Ø	Code	B.	€/each
¾"	FP0001	10	43,15	½" x ¾"	FR0020	10	1,60	½" x ¾"	FM0014	10	2,95	½" x ¾"	FN0020	100	2,58
1"	FP0002	10	70,79	¾" x ½"	FR0023	10	2,62	¾" x ½"	FM0016	10	4,77	¾" x ½"	FN0023	100	3,94
				1" x ½"	FR0026	10	5,65	1" x ½"	FM0018	10	7,41	1" x ½"	FN0025	70	5,84
				1" x ¾"	FR0027	10	4,23	1" x ¾"	FM0019	10	7,43	1" x ¾"	FN0026	70	5,81
				1" ¼ x ¾"	FR0029	1	8,81	1" ¼ x 1"	FM0021	1	12,70	1" ¼ x ¾"	FN0027	40	9,71
				1" ¼ x 1"	FR0030	1	7,12	1" ½ x 1"¼	FM0023	1	15,29	1" ¼ x 1"	FN0028	40	9,91
				1" ½ x 1"	FR0032	1	11,10	2" x 1"½	FM0027	1	31,58	1" ½ x 1"	FN0029	40	12,97
				1" ½ x 1"¼	FR0033	1	7,73					1" ½ x 1"¼	FN0030	30	13,32
				2" x 1"	FR0034	1	20,37					2" x 1"¼	FN0031	10	19,88
				2" x 1"¼	FR0035	1	19,59					2" x 1"½	FN0032	10	20,25
				2" x 1"½	FR0036	1	16,55								





DESCRIPTION

Application

- Galvanized steel fittings for underground lines

Specifics

- Thickness: 3,4 ÷ 4 mm
- Hydrant fitting height: 1 mt (centre/centre)

Aluminium bayonet coupling hydrant head				Aluminium bayonet coupling hydrant bend			
Ø	Code	PN	€	Ø	Code	PN	€
60 mm x 2"	ATI008	10	89,02	60 mm x 2"	ACI019	10	238,33
80 mm x 3"	ATI007	10	109,58	80 mm x 3"	ACI020	10	317,78
100 mm x 4"	ATI005	10	136,22	100 mm x 4"	ACI015	10	358,66
120 mm x 5"	ATI006	10	186,00	120 mm x 5"	ACI016	10	591,16

End line elbow hydrant			Tee line hydrant			Line hydrant on Tee			Flanged "S" for male		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
110 x 4"	AID123-Z	411,24	110 x 4"	AID073-Z	368,47	110 x 4"	AID403-Z	313,01	DN80 x 90	ATL117-Z	315,06
125 x 4"	AID124-Z	429,22	125 x 4"	AID074-Z	373,15	125 x 4"	AID404-Z	368,03	DN100 x 110	ATL109-Z	392,08
140 x 4"	AID125-Z	443,95	140 x 4"	AID075-Z	385,07	140 x 4"	AID405-Z	392,78	DN100 x 125	ATL111-Z	404,44
160 x 4"	AID126-Z	467,32	160 x 4"	AID076-Z	401,89	160 x 4"	AID406-Z	417,57	DN125 x 125	ATL114-Z	497,69
									DN125 x 140	ATL116-Z	564,27
									DN150 x 140	ATL119-Z	543,25
									DN150 x 200	ATL120-Z	965,57

Cross - M/M/M/F			Tee - M/M/F			Bend - M/F			Steel coupling - F/F		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
110	ACI022-Z	229,31	110	ATI047-Z	163,71	110	ACI047-Z	208,89	110	API022-Z	93,47
125	ACI023-Z	261,23	125	ATI048-Z	194,08	125	ACI048-Z	236,00	125	API023-Z	108,38
140	ACI024-Z	294,12	140	ATI049-Z	219,45	140	ACI049-Z	282,73	140	API024-Z	121,92
160	ACI025-Z	335,52	160	ATI050-Z	244,98	160	ACI050-Z	392,55	160	API025-Z	138,39

Female steel coupling rubber seals for PVC			Female bout			Flanged Tee			Flanged Cross		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
110	RGN302	3,71	110 F X DN100	ABI022-Z	218,71	100	FCL409-Z	400,94	100	FCR022-Z	541,83
125	RGN303	4,88	125 F X DN125	ABI023-Z	275,72	125	FCL422-Z	530,96	125	FCR023-Z	727,55
140	RGN304	7,74	140 F X DN150	ABI024-Z	260,48	150	FCL441-Z	662,77	150	FCR024-Z	899,39
160	RGN305	10,50	160 F X DN150	ABI025-Z	345,82	200	FCL442-Z	886,24	200	FCR025-Z	1.232,45





DESCRIPTION

Application

- Mobile systems, agriculture and build-sites

Specifics

- Maximum working pressure: 10 bar protection
- Steel made
- High thickness hot galvanizing
- Hydraulic seal by rubber o-ring

Features

- Easy building of pressure hydraulic systems to pressure
- Removable and easy to transport
- Complete range of models and diameters
- Excellen hydraulic seal and resistance

Materials

- Body and lockings: galvanized steel
- Seal: NBR o-ring

F coupling with hoesetail			M coupling with hose-tail		
Ø mm	Code	€	Ø mm	Code	€
60	AGF001	14,93	60	AGM001	10,47
80	AGF002	18,41	80	AGM002	13,42
100	AGF003	25,05	100	AGM003	18,52
120	AGF004	34,31	120	AGM004	27,29
150	AGF005	48,51	150	AGM005	52,10

*For spiral suction/delivery hose

F coupling with flange			M coupling with flange		
Ø mm	Code	€	Ø mm	Code	€
60 x DN50	ASZ947	53,45	60 x DN50	ASZ875	43,73
80 x DN50	ASZ948	55,00	80 x DN50	ASZ876	45,88
80 x DN65	ASZ941	61,79	80 x DN65	ASZ943	55,00
80 x DN80	ASZ900	65,66	80 x DN80	ASZ893	58,40
100 x DN80	ASZ949	67,66	100 x DN80	ASZ892	58,70
100 x DN100	ASZ902	75,85	100 x DN100	ASZ894	67,34
100 x DN125	ASZ879	105,97	100 x DN125	ASZ878	94,24
120 x DN80	ASZ905	74,92	120 x DN80	ASZ897	65,66
120 x DN100	ASZ906	78,78	120 x DN100	ASZ899	69,97
120 x DN125	ASZ903	105,97	120 x DN125	ASZ895	94,24
120 x DN150	ASZ882	114,63	120 x DN150	ASZ898	103,46
150 x DN100	ASZ938	109,84	150 x DN100	ASZ939	103,04
150 x DN125	ASZ940	125,13	150 x DN125	ASZ889	116,33
150 x DN150	ASZ904	133,16	150 x DN150	ASZ041	125,20

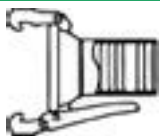
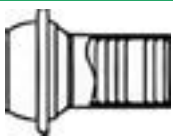
M coupling with flange and outlet			F 3-hooks coupling with hose-tail		
Ø mm	Code	€	Ø mm	Code	€
100 x DN100 x 3/4"	ASZ080	89,10	80	AGF002S	22,06
120 x DN100 x 3/4"	ASZ081	114,22	100	AGF003S	29,10
150 x DN100 x 3/4"	ASZ082	149,01	120	AGF004S	38,27
			150	AGF005S	59,44

Threaded fitting with F coupling			Threaded fitting with M coupling		
Ø mm	Code	€	Ø mm	Code	€
60 x 1"	ASZ601	19,25	60 x 1"	ASZ606	14,21
60 x 1 1/4"	ASZ602	20,28	60 x 1 1/4"	ASZ607	15,24
60 x 1 1/2"	ASZ001	20,28	60 x 1 1/2"	ASZ010	15,24
60 x 2"	ASZ003	20,46	60 x 2"	ASZ016	15,36
80 x 1"	ASZ603	24,16	80 x 1"	ASZ608	18,38
80 x 2"	ASZ801	24,16	80 x 2"	ASZ011	18,38
80 x 2 1/2"	ASZ006	24,16	80 x 2 1/2"	ASZ014	18,38
80 x 3"	ASZ004	25,80	80 x 3"	ASZ015	19,92
80 x 4"	ASZ604	32,18	80 x 4"	ASZ609	27,38
100 x 1"	ASZ605	35,52	100 x 1"	ASZ612	25,85
100 x 2"	ASZ008	35,52	100 x 2"	ASZ613	25,85
100 x 3"	ASZ101	35,52	100 x 3"	ASZ012	25,85
100 x 4"	ASZ005	34,20	100 x 4"	ASZ018	26,63
120 x 3"	ASZ611	43,80	120 x 3"	ASZ685	34,56
120 x 4"	ASZ002	43,80	120 x 4"	ASZ013	34,56
120 x 5"	ASZ007	46,75	120 x 5"	ASZ019	38,24
150 x 4"	ASZ690	58,26	150 x 4"	ASZ689	57,88
150 x 5"	ASZ696	60,32	150 x 5"	ASZ695	60,13
150 x 6"	ASZ692	62,92	150 x 6"	ASZ691	68,79

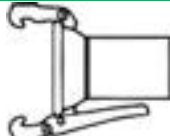
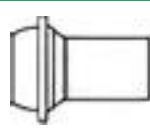
Threaded fitting with M and outlet			Threaded fitting with F and outlet		
Ø mm	Code	€	Ø mm	Code	€
60 x 2" x 3/4"	ASZ042	28,75	60 x 2" x 3/4"	ASZ046	34,36
60 x 2" x 1"	ASZ058	30,44	60 x 2" x 1"	ASZ047	36,05
80 x 3" x 3/4"	ASZ043	33,06	80 x 3" x 3/4"	ASZ048	38,14
80 x 3" x 1"	ASZ050	35,27	80 x 3" x 1"	ASZ060	40,36
100 x 3" x 3/4"	ASZ044	42,98	100 x 3" x 3/4"	ASZ062	48,61
100 x 3" x 1"	ASZ045	44,67	100 x 3" x 1"	ASZ065	50,29
100 x 4" x 3/4"	ASZ051	42,98	100 x 4" x 3/4"	ASZ061	48,61
100 x 4" x 1"	ASZ052	44,67	100 x 4" x 1"	ASZ063	50,29
120 x 4" x 3/4"	ASZ056	50,92	120 x 4" x 3/4"	ASZ066	58,21
120 x 4" x 1"	ASZ057	53,08	120 x 4" x 1"	ASZ067	60,25



Metal Fittings > Ferrari

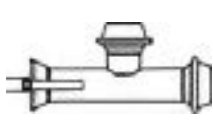
F coupling with P.E. fitting tail*			M coupling with P.E. fitting tail*		
					
Ø mm	Code	€	Ø mm	Code	€
60 x PE 63	ACN612	28,45	60 x PE 63	ACN601	24,46
80 x PE 63	ACN613	30,16	80 x PE 63	ACN602	25,64
80 x PE 75	ACN611	32,05	80 x PE 75	ACN603	27,54
80 x PE 90	ACN615	36,87	80 x PE 90	ACN605	31,92
100 x PE 75	ACN614	35,68	100 x PE 75	ACN604	32,36
100 x PE 90	ACN616	38,28	100 x PE 90	ACN606	34,55
100 x PE 110	ACN618	43,02	100 x PE 110	ACN608	39,29
120 x PE 90	ACN617	43,16	120 x PE 90	ACN607	39,20
120 x PE 110	ACN619	47,64	120 x PE 110	ACN609	43,69
120 x PE 125	ACN620	50,99	120 x PE 125	ACN610	47,04
150 x PE 160	ACN621	113,29	150 x PE 160	ACN600	110,34

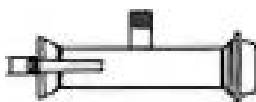
*For polyethylene pipe

Inner thread fitting with F coupling			Inner thread fitting with M coupling		
					
Ø mm	Code	€	Ø mm	Code	€
60 x 2"	ASZ124	26,62	60 x 2"	ASZ130	8,77
80 x 2"	ASZ120	31,48	80 x 2"	ASZ131	10,50
80 x 2 1/2"	ASZ125	34,86	80 x 2 1/2"	ASZ132	12,53
80 x 3"	ASZ121	42,86	80 x 3"	ASZ133	13,29
80 x 4"	ASZ126	70,75	80 x 4"	ASZ134	19,38
100 x 3"	ASZ127	46,13	100 x 3"	ASZ135	16,08
100 x 4"	ASZ128	71,96	100 x 4"	ASZ136	20,46
120 x 3"	ASZ129	52,13	120 x 3"	ASZ137	18,18
120 x 4"	ASZ122	78,47	120 x 4"	ASZ123	23,52

90° Elbow			45° Elbow		
					
Ø mm	Code	€	Ø mm	Code	€
60	ACZ001	33,83	60	ACZ050	33,83
80	ACZ002	41,62	80	ACZ051	41,62
100	ACZ003	56,28	100	ACZ052	56,28
120	ACZ004	76,01	120	ACZ053	76,01
150	ACZ005	119,17	150	ACZ054	119,17

90° Elbow with hosetail			End-of-line T		
					
Ø mm	Code	€	Ø mm	Code	€
60	ACZ006	45,88	60	ACD001	78,94
80	ACZ007	50,37	80	ACD002	99,33
100	ACZ008	61,94	100	ACD003	123,59
120	ACZ009	91,15	120	ACD004	170,39
			150	ACD005	242,76

In-line T			Vertical o -take with M coupling		
					
Ø mm	Code	€	Ø mm	Code	€
60	ADS155	67,45	60	ADS150	53,28
80	ADS156	74,69	80	ADS151	65,24
100	ADS157	90,21	100	ADS152	76,27
120	ADS158	122,20	120	ADS149	88,43
150	ADS159	182,00	150	ADS154	130,54

Vertical off take with M thread			Vertical off take with flange		
					
Ø mm	Code	€	Ø mm	Code	€
60 x 1"	ADS001	49,43	sf.M150 x DN150 x sf.F150	ADS302	471,70
60 x 1 1/4"	ADS002	49,90			
60 x 1 1/2"	ADS003	50,37			
60 x 2"	ADS004	49,74			
80 x 1"	ADS005	52,24			
80 x 1 1/4"	ADS006	52,99			
80 x 1 1/2"	ADS007	53,28			
80 x 2"	ADS008	53,69			
80 x 3"	ADS009	68,15			
100 x 1"	ADS010	60,13			
100 x 1 1/4"	ADS011	60,87			
100 x 1 1/2"	ADS012	61,31			
100 x 2"	ADS013	61,40			
100 x 3"	ADS014	76,14			
100 x 4"	ADS015	86,36			
120 x 2"	ADS016	72,47			
120 x 3"	ADS017	87,20			
120 x 4"	ADS018	97,92			
120 x 5"	ADS019	107,13			
150 x 4"	ADS020	126,76			
150 x 5"	ADS021	135,53			



Half coupling M and F for Layflat pipe page 206



Foot-valve with M coupling			Foot-valve with F coupling		
Ø mm	Code	€	Ø mm	Code	€
60	AVF001	104,90	60	AVF040	109,45
80	AVF002	122,05	80	AVF041	132,13
100	AVF003	140,58	100	AVF042	146,56
120	AVF004	192,49	120	AVF043	196,61
150	AVF005	248,64	150	AVF044	255,52

Foot valve with 45° bend and M			In-line check-valve with couplings		
Ø mm	Code	€	Ø mm	Code	€
80	AVF045	156,20	60	AVF030	138,72
100	AVF046	187,00	80	AVF031	178,53
120	AVF047	253,68	100	AVF032	215,81
150	AVF048	326,70	120	AVF033	274,97
			150	AVF034	358,99

Crossing with couplings on exits			Crossing with threaded exits		
Ø mm	Code	€	Ø mm	Code	€
60	ATE101	99,02	80 x 1"½	ATE108	76,63
80	ATE102	116,94	100 x 1"½	ATE109	86,20
100	ATE107	149,38	100 x 2"	ATE110	91,15
120	ATE106	191,09	100 x 4"	ATE111	141,65
150	ATE105	273,65			

Diametre reducer			Diametre increase		
Ø mm	Code	€	Ø mm	Code	€
80 F x 60 M	ARD002	35,53	80 M x 60 F	ARD001	35,54
100 F x 60 M	ARD035	37,85	100 M x 60 F	ARD002	37,69
100 F x 80 M	ARD032	39,24	100 M x 80 F	ARD033	39,07
120 F x 80 M	ARD004	46,19	120 M x 80 F	ARD008	45,56
120 F x 100 M	ARD003	45,11	120 M x 100 F	ARD009	48,51
150 F x 100 M	ARD045	65,66	150 M x 100 F	ARD034	71,06
150 F x 120 M	ARD006	61,17	150 M x 120 F	ARD005	64,32
200 F x 150 M	ARD036	141,83	200 M x 150 F	ARD007	128,28

F cap			M cap		
Ø mm	Code	€	Ø mm	Code	€
60	ATP001	14,37	60	ATP013	13,60
80	ATP002	16,68	80	ATP014	16,52
100	ATP003	18,54	100	ATP015	19,31
120	ATP004	21,01	120	ATP016	24,55
150	ATP005	33,67	150	ATP017	48,99

Swan-neck cm 200 for motorpump delivery		
Ø mm	Code	€
60	ACC001	125,26
80	ACC002	166,94
100	ACC003	221,72
120	ACC004	282,63
150	ACC005	379,25

Metal Fittings > Ferrari

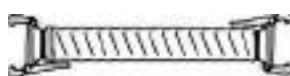
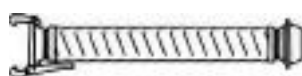


by **GIUNTI**
GENERALI S.p.A.

Rubber hose 2 metre for suction lines with couplings

M/F

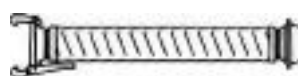
F/F



Ø mm	Code	Conf.	€	Code	Conf.	€
60	TG0050	1 x 2 mt + racc	178,93	TG0020	1 x 2 mt + racc	212,22
80	TG0051	1 x 2 mt + racc	209,88	TG0021	1 x 2 mt + racc	296,79
100	TG0052	1 x 2 mt + racc	268,71	TG0022	1 x 2 mt + racc	373,56
120	TG0053	1 x 2 mt + racc	346,94	TG0023	1 x 2 mt + racc	415,99
150	TG0054	1 x 2 mt + racc	463,86	TG0024	1 x 2 mt + racc	497,46

Delivery hose

in 2 m bars with M/F couplings



Ø mm	Code	PN	Conf.	€
60	TG0114	15	1 x 2 mt + racc	REQ.
80	TG0115	15	1 x 2 mt + racc	REQ.
100	TG0116	15	1 x 2 mt + racc	REQ.
120	TG0117	15	1 x 2 mt + racc	REQ.
150	TG0118	15	1 x 2 mt + racc	REQ.

See
"Suction and delivery"
without fittings
on page page 220

Rubber gasket



Ø mm	Code	€
60	AGS001	1,59
80	AGS002	1,81
100	AGS003	2,55
120	AGS004	3,40
150	AGS005	5,83

Complete coupling, black

Galvanised Complete coupling,



Ø mm	Code	€	Ø mm	Code	€
60	ASF100	10,79	60	ASF085	17,28
80	ASF101	13,27	80	ASF086	21,23
100	ASF102	16,63	100	ASF087	26,62
120	ASF103	21,63	120	ASF088	34,61
150	ASF104	40,00	150	ASF089	63,99

Black Ball

Galvanised Ball



Ø mm	Code	€	Ø mm	Code	€
60	ASF001	1,71	60	ASF075	2,72
80	ASF002	2,09	80	ASF076	3,34
100	ASF003	3,09	100	ASF077	4,95
120	ASF004	4,41	120	ASF078	7,06
150	ASF005	10,55	150	ASF079	16,89

Black Ring

Galvanised Ring



Ø mm	Code	€	Ø mm	Code	€
60	ASZ911	1,49	60	ASF080	2,38
80	ASZ912	2,15	80	ASF081	3,43
100	ASZ914	3,15	100	ASF082	5,05
120	ASZ913	4,08	120	ASF083	6,53
150	ASZ910	8,95	150	ASF084	14,31

Female coupling, black

Galvanised Female coupling



Ø mm	Code	€	Ø mm	Code	€
60	ASF011	7,61	60	ASF070	12,18
80	ASF012	9,03	80	ASF071	14,47
100	ASF013	10,40	100	ASF072	16,63
120	ASF014	13,13	120	ASF073	21,01
150	ASF020	20,50	150	ASF074	32,79





DESCRIPTION

Application

- Mobile systems, agriculture and build-sites

Specifics

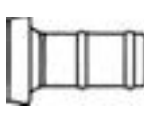
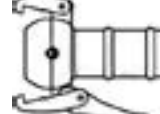
- Maximum working pressure: 10 bar protection
- Steel made
- High thickness hot galvanizing
- Hydraulic seal by rubber o-ring

Features

- Easy building of pressure hydraulic systems to pressure
- Removable and easy to transport
- Complete range of models and diameters
- Excellen hydraulic seal and resistance

Materials

- Body and lockings: galvanized steel
- Seal: lip

F coupling with hoesetail *			M coupling with hose-tail *		
					
Ø mm	Code	€	Ø mm	Code	€
60	AGR101	11,84	60	AGR093	19,84
80	AGR102	14,67	80	AGR094	23,32
80 x 76	AGR103	16,62	80 x 76	AGR095	24,99
100	AGR104	24,22	100	AGR096	31,45
100 x 102	AGR105	22,68	100 x 102	AGR097	31,50
120	AGR106	30,77	120	AGR098	41,00
120 x 125	AGR107	33,00	120 x 125	AGR099	43,20
150	AGR108	40,98	150	AGR100	67,72

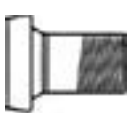
*For spiral suction/delivery hose

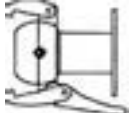
M coupling with machined tail for Lay-Flat hose *			F coupling with machined tail for Lay-Flat hose *		
					
Ø mm	Code	€	Ø mm	Code	€
80 x 76	AGR130	41,29	80 x 76	AGR127	48,80
100 x 104	AGR131	45,00	100 x 104	AGR128	55,57
120 x 125	AGR132	55,62	120 x 125	AGR129	68,22

*For Layflat pipe

F coupling with P.E. fitting tail *			M coupling with P.E. fitting tail *		
					
Ø mm	Code	€	Ø mm	Code	€
60 x PE 63	AGR118	26,25	60 x PE 63	AGR109	34,56
80 x PE 63	AGR119	27,23	80 x PE 63	AGR110	36,08
80 x PE 75	AGR120	29,25	80 x PE 75	AGR111	38,12
80 x PE 90	AGR121	34,38	80 x PE 90	AGR112	43,25
100 x PE 90	AGR122	36,37	100 x PE 90	AGR113	47,63
100 x PE 110	AGR123	41,42	100 x PE 110	AGR114	52,69
120 x PE 110	AGR124	44,99	120 x PE 110	AGR115	58,49
120 x PE 125	AGR125	48,57	120 x PE 125	AGR116	62,05
150 x PE 160	AGR126	106,12	150 x PE 160	AGR117	121,66

*For polyethylene pipe

Threaded fitting with F coupling			Threaded fitting with M coupling		
					
Ø mm	Code	€	Ø mm	Code	€
60 x 1"½	AGR141	17,22	60 x 1"½	AGR154	26,63
60 x 2"	AGR142	16,91	60 x 2"	AGR155	26,18
80 x 2"	AGR143	20,35	80 x 2"	AGR156	30,10
80 x 2"½	AGR144	20,35	80 x 2"½	AGR157	30,10
80 x 3"	AGR145	22,04	80 x 3"	AGR158	31,64
100 x 3"	AGR146	32,63	100 x 3"	AGR159	39,51
100 x 4"	AGR147	31,19	100 x 4"	AGR160	39,93
100 x 5"	AGR148	45,88	100 x 5"	AGR161	54,84
120 x 4"	AGR149	39,77	120 x 4"	AGR162	49,58
120 x 5"	AGR150	42,87	120 x 5"	AGR163	53,30
150 x 4"	AGR151	49,67	150 x 4"	AGR164	73,21
150 x 5"	AGR152	52,02	150 x 5"	AGR165	75,43
150 x 6"	AGR153	50,44	150 x 6"	AGR166	83,42

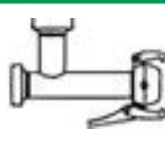
F coupling with flange			M coupling with flange		
					
Ø mm	Code	€	Ø mm	Code	€
DN65 x 80	AGR167	57,55	DN65 x 80	AGR176	63,31
DN80 x 80	AGR168	61,61	DN80 x 80	AGR177	66,65
DN80 x 100	AGR169	63,49	DN80 x 100	AGR178	70,18
DN100 x 100	AGR170	71,72	DN100 x 100	AGR179	78,78
DN100 x 120	AGR171	73,63	DN100 x 120	AGR180	83,17
DN125 x 120	AGR172	101,22	DN125 x 120	AGR181	107,80
DN125 x 150	AGR173	115,34	DN125 x 150	AGR182	127,94
DN150 x 150	AGR174	148,65	DN150 x 150	AGR183	162,21
DN200 x 150	AGR175	261,07	DN200 x 150	AGR184	279,61

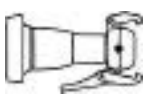
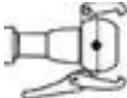


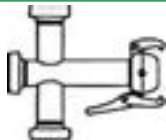
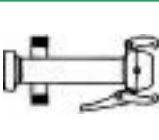
Metal Fittings > Robur

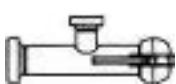


90° Elbow			45° Elbow		
					
Ø mm	Code	€	Ø mm	Code	€
60	AGR020	40,72	60	AGR025	40,72
80	AGR021	48,19	80	AGR026	48,19
100	AGR022	66,21	100	AGR027	66,21
120	AGR023	87,71	120	AGR028	87,71
150	AGR024	130,26	150	AGR029	130,26

End-of-line T			Derivation 90°		
					
Ø mm	Code	€	Ø mm	Code	€
60	AGR035	83,42	60	AGR030	56,29
80	AGR036	103,40	80	AGR031	62,16
100	AGR037	131,19	100	AGR032	78,44
120	AGR038	178,54	120	AGR033	117,59
150	AGR039	249,65	150	AGR034	152,32

Diametre reducer			Diametre increase		
					
Ø mm	Code	€	Ø mm	Code	€
80-60	AGR137	38,80	60-80	AGR133	38,79
100-80	AGR138	42,14	80-100	AGR134	45,21
120-100	AGR139	50,00	100-120	AGR135	52,42
150-120	AGR140	63,91	120-150	AGR136	70,96

Crossing with couplings on exits			Crossing with threaded exits		
					
Ø mm	Code	€	Ø mm	Code	€
60	AGR040	85,65	80 x 1"½	AGR045	77,85
80	AGR041	96,79	100 x 1"½	AGR046	89,43
100	AGR042	119,74	120 x 1"½	AGR047	100,27
120	AGR043	151,64	150 x 1"½	AGR048	129,76
150	AGR044	202,22			

Vertical o -take with F coupling			Vertical off-take with M thread		
					
Ø mm	Code	€	Ø mm	Code	€
60 x 60 x 60	AGR054	56,23	60 x 60 x 2"M	AGR064	57,53
80 x 80 x 60	AGR055	59,31	80 x 80 x 1"M	AGR065	59,86
80 x 80 x 80	AGR056	62,16	80 x 80 x 1"½M	AGR066	60,65
100 x 100 x 60	AGR057	72,42	80 x 80 x 2"M	AGR067	61,09
100 x 100 x 80	AGR058	75,58	80 x 80 x 2"½M	AGR068	66,83
100 x 100 x 100	AGR059	78,44	80 x 80 x 3"M	AGR069	76,51
120 x 120 x 100	AGR060	91,49	100 x 100 x 1"¼M	AGR070	72,17
120 x 120 x 120	AGR062	116,29	100 x 100 x 1"½M	AGR071	72,60
150 x 150 x 100	AGR061	117,59	100 x 100 x 2"M	AGR072	72,07
150 x 150 x 150	AGR063	121,51	100 x 100 x 2"½M	AGR073	78,17
			100 x 100 x 3"M	AGR074	87,82
			100 x 100 x 4"M	AGR075	99,24
			120 x 120 x 1"½M	AGR076	86,28
			120 x 120 x 2"M	AGR077	83,42
			120 x 120 x 3"M	AGR078	99,15
			120 x 120 x 4"M	AGR079	110,59
			120 x 120 x 5"M	AGR080	120,41
			150 x 150 x 4"M	AGR081	136,95
			150 x 150 x 5"M	AGR082	146,75

F cap			M cap		
					
Ø mm	Code	€	Ø mm	Code	€
60	AGR083	25,34	60	AGR088	31,61
80	AGR084	39,11	80	AGR089	43,13
100	AGR085	46,87	100	AGR090	57,16
120	AGR086	62,82	120	AGR091	75,26
150	AGR087	77,81	150	AGR092	104,28



Foot-valve with F coupling			Foot-valve with M coupling		
					
Ø mm	Code	€	Ø mm	Code	€
60	AGR190	123,59	60	AGR185	130,37
80	AGR191	141,04	80	AGR186	150,61
100	AGR192	156,02	100	AGR187	173,64
120	AGR193	209,78	120	AGR188	231,73
150	AGR194	260,15	150	AGR189	310,50

In-line check-valve with couplings			Swan-neck for motorpump delivery		
					
Ø mm	Code	€	Ø mm	Code	€
60	AGR195	143,21	60	AGR049	135,18
80	AGR196	183,05	80	AGR050	178,59
100	AGR197	223,85	100	AGR051	239,14
120	AGR198	284,24	120	AGR052	304,01
150	AGR199	380,64	150	AGR053	409,38

Rubber gasket		
		
Ø mm	Code	€
60	AGR200	1,88
80	AGR201	2,42
100	AGR202	3,16
120	AGR203	3,38
150	AGR204	4,79

Complete coupling, black			Galvanised Complete coupling		
					
Ø mm	Code	€	Ø mm	Code	€
60	AGR225	17,18	60	AGR245	27,50
80	AGR226	19,71	80	AGR246	31,54
100	AGR227	26,15	100	AGR247	41,86
120	AGR228	31,76	120	AGR248	50,81
150	AGR229	46,20	150	AGR249	73,93

Black Ball			Galvanised Ball		
					
Ø mm	Code	€	Ø mm	Code	€
60	AGR215	4,86	60	AGR235	7,80
80	AGR216	5,49	80	AGR236	8,77
100	AGR217	7,21	100	AGR237	11,54
120	AGR218	9,89	120	AGR238	15,81
150	AGR219	18,12	150	AGR239	29,00

Black Ring			Galvanised Ring		
					
Ø mm	Code	€	Ø mm	Code	€
60	AGR220	8,14	60	AGR240	13,02
80	AGR221	8,98	80	AGR241	14,37
100	AGR222	11,65	100	AGR242	18,63
120	AGR223	12,86	120	AGR243	20,57
150	AGR224	15,06	150	AGR244	24,09

Female coupling, black			Galvanised Female coupling		
					
Ø mm	Code	€	Ø mm	Code	€
60	AGR210	4,18	60	AGR230	6,68
80	AGR211	5,24	80	AGR231	8,38
100	AGR212	7,32	100	AGR232	11,70
120	AGR213	9,02	120	AGR233	14,42
150	AGR214	13,02	150	AGR234	20,85



DESCRIPTION

Application

- Mobile systems, agriculture and build-sites

Specifics

- Maximum working pressure: 10 bar protection
- Steel made
- High thickness hot galvanizing
- Hydraulic seal by rubber o-ring

Features

- Easy building of pressure hydraulic systems to pressure
- Removable and easy to transport diameters
- Excellen hydraulic seal and resistance

Materials

- Body and lockings: galvanized steel
- Seal: NBR o-ring

F coupling with hoesail			M coupling with hose-tail			3 hooks F coupling with hose-tail		
Ø mm	Code	€	Ø mm	Code	€	Ø mm	Code	€
120	AGA051	39,88	120	AGA056	38,50	120	AGA150	51,56
150	AGA052	44,83	150	AGA057	44,41	150	AGA151	55,83
200	AGA053	94,46	200	AGA058	87,58	200	AGA152	120,73
250	AGA054	138,88	250	AGA059	145,75	250	AGA153	172,70
300	AGA055	253,00	300	AGA060	222,75	300	AGA154	371,66

*For spiral suction/ delivery hose - for Layflat Ø >= 200

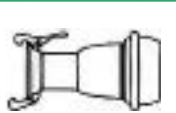
Threaded fitting with F coupling			Threaded fitting with M coupling			3 hooks thr. fitt. with F coupling		
Ø mm	Code	€	Ø mm	Code	€	Ø mm	Code	€
120 x 5"	AGA069	50,88	120 x 5"	AGA072	42,63	120 x 5"	AGA163	62,56
150 x 5"	AGA070	54,73	150 x 5"	AGA073	53,35	150 x 5"	AGA164	65,73
150 x 6"	AGA071	65,03	150 x 6"	AGA074	59,26			

F coupling with flange			M coupling with flange			3 hooks F coupling with flange		
Ø mm	Code	€	Ø mm	Code	€	Ø mm	Code	€
120 X DN125	AGA075	85,25	120 X DN125	AGA085	77,00	120 X DN125	AGA165	96,93
150 X DN100	AGA076	93,50	150 X DN100	AGA086	89,38	150 X DN100	AGA166	104,50
150 X DN125	AGA077	97,63	150 X DN125	AGA087	92,13	150 X DN125	AGA167	108,63
150 X DN150	AGA078	109,73	150 X DN150	AGA088	104,36	150 X DN150	AGA168	120,73
200 X DN150	AGA079	173,25	200 X DN150	AGA089	163,63	200 X DN150	AGA169	210,10
200 X DN200	AGA080	215,88	200 X DN200	AGA090	193,18	200 X DN200	AGA170	243,65
250 X DN250	AGA082	306,63	250 X DN250	AGA092	301,13	250 X DN250	AGA172	459,93
300 X DN200	AGA081	324,50	300 X DN200	AGA091	319,00	300 X DN200	AGA171	358,33
300 X DN250	AGA083	371,25	300 X DN250	AGA093	341,00	300 X DN250	AGA173	524,56
300 X DN300	AGA084	482,63	300 X DN300	AGA094	423,50	300 X DN300	AGA174	601,56



90° Elbow			45° Elbow		
					
Ø mm	Code	€	Ø mm	Code	€
120	AGA001	93,29	120	AGA006	85,25
150	AGA002	115,91	150	AGA007	103,81
200	AGA003	209,00	200	AGA008	192,50
250	AGA004	327,25	250	AGA009	280,50
300	AGA005	519,75	300	AGA010	464,75

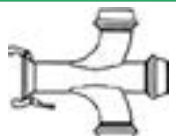
3 hooks 90° Elbow			3 hooks 45° Elbow		
					
Ø mm	Code	€	Ø mm	Code	€
120	AGA115	104,98	120	AGA120	96,93
150	AGA116	126,91	150	AGA121	114,81
200	AGA117	235,26	200	AGA122	218,76
250	AGA118	361,08	250	AGA123	314,33
300	AGA119	638,41	300	AGA124	583,41

Diametre reducer			Diametre increase		
					
Ø mm	Code	€	Ø mm	Code	€
150-120	AGA065	85,25	120-150	AGA061	92,13
200-150	AGA066	126,91	150-200	AGA062	121,00
250-200	AGA067	205,28	200-250	AGA063	213,13
300-250	AGA068	371,11	250-300	AGA064	314,88

3 hooks diametre reducer			3 hooks diametre increase		
					
Ø mm	Code	€	Ø mm	Code	€
150-120	AGA159	96,25	120-150	AGA155	103,81
200-150	AGA160	153,18	150-200	AGA156	132,00
250-200	AGA161	239,11	200-250	AGA157	239,38
300-250	AGA162	489,78	250-300	AGA158	348,70

End-of-line T			In-line T		
					
Ø mm	Code	€	Ø mm	Code	€
120 elbow	AGA016	196,63	120 elbow	AGA011	157,16
150 elbow	AGA017	305,25	150 elbow	AGA012	255,48
200 elbow	AGA018	493,63	200 elbow	AGA013	416,63
250 90°	AGA019	727,38	250 90°	AGA014	457,88
300 90°	AGA020	1.069,75	300 90°	AGA015	826,38

3 hooks end-of-line T			3 hooks in-line T		
					
Ø mm	Code	€	Ø mm	Code	€
120 elbow	AGA130	208,31	120 elbow	AGA125	168,85
150 elbow	AGA131	316,25	150 elbow	AGA126	266,48
200 elbow	AGA132	519,88	200 elbow	AGA127	442,88
250 90°	AGA133	761,20	250 90°	AGA128	491,70
300 90°	AGA134	1.188,41	300 90°	AGA129	945,03

Crossing with couplings on exits		
		
Ø mm	Code	€
120	AGA021	226,88
150	AGA022	288,75
200	AGA023	488,13
250	AGA024	683,38
300	AGA025	1.029,88

3 hooks crossing with couplings on exits		
		
Ø mm	Code	€
120	AGA135	238,56
150	AGA136	299,75
200	AGA137	514,38
250	AGA138	717,20
300	AGA139	1.148,53



Metal Fittings > Anfor

Foot-valve with F coupling



Ø mm	Code	€
120	AGA100	159,50
150	AGA101	178,75
200	AGA102	448,25
250	AGA103	1.032,63
300	AGA104	1.365,38

Foot-valve with M coupling



Ø mm	Code	€
120	AGA095	158,13
150	AGA096	178,33
200	AGA097	442,06
250	AGA098	1.040,88
300	AGA099	1.337,88

3 hooks Foot-valve with F coupling



Ø mm	Code	€
120	AGA175	171,18
150	AGA176	189,75
200	AGA177	474,51
250	AGA178	1.066,45
300	AGA179	1.483,63

F cap



Ø mm	Code	€
120	AGA041	55,00
150	AGA042	59,26
200	AGA043	85,25
250	AGA044	119,63
300	AGA045	254,93

M cap



Ø mm	Code	€
120	AGA046	49,50
150	AGA047	59,61
200	AGA048	64,21
250	AGA049	107,80
300	AGA050	193,88

3 hooks F cap



Ø mm	Code	€
120	AGA145	66,68
150	AGA146	72,18
200	AGA147	111,51
250	AGA148	153,45
300	AGA149	373,58

Swan-neck for motorpump delivery



Ø mm	Code	€
120	AGA026	294,25
150	AGA027	473,00
200	AGA028	732,88
250	AGA029	1.182,50
300	AGA030	1.784,75

3 hooks Swan-neck for motor-pump delivery



Ø mm	Code	€
120	AGA140	305,93
150	AGA141	484,00
200	AGA142	759,13
250	AGA143	1.216,33
300	AGA144	1.903,00

Rubber hose 2 metre for suction lines with couplings M/F



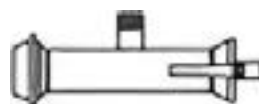
Ø mm	Code	€
120	AGA110	448,25
150	AGA111	521,13
200	AGA112	737,00
250	AGA113	1.160,50
300	AGA114	REQ.

Rubber gasket



Ø mm	Code	€
120	AGA105	2,87
150	AGA106	2,33
200	AGA107	5,21
250	AGA108	13,99
300	AGA109	15,63

Vertical off-take with M thread



Ø mm	Code	€
120 x 120 x 4"	AGA031	106,28
120 x 120 x 5"	AGA032	116,60
150 x 150 x 4"	AGA033	117,28
150 x 150 x 5"	AGA034	127,73
200 x 200 x 4"	AGA035	186,31
200 x 200 x 5"	AGA036	195,25
250 x 250 x 4"	AGA037	369,88
250 x 250 x 5"	AGA038	375,38
300 x 300 x 4"	AGA039	578,88
300 x 300 x 5"	AGA040	584,38



Complete coupling, black



Ø mm	Code	€
120	ASF056	44,72
150	ASF057	50,49
200	ASF058	83,77
250	ASF059	125,18
300	ASF060	384,19

Black Ball



Ø mm	Code	€
120	ASF031	10,12
150	ASF032	10,58
200	ASF033	19,76
250	ASF034	34,20
300	ASF035	62,67

Black Ring



Ø mm	Code	€
120	ASF051	7,99
150	ASF052	13,64
200	ASF053	16,29
250	ASF054	27,94
300	ASF055	51,74

Female coupling, black



Ø mm	Code	€
120	ASF041	26,61
150	ASF042	26,26
200	ASF043	47,71
250	ASF023	63,04
300	ASF045	151,11

Layflat Fittings >

F edge-banded spherical sleeve			M edge-banded spherical sleeve			Galvanized Tee hose for flange and hose			End line saddle		
											
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
2" - 50 x 60 mm	ACN037	30,11	2" - 50 x 60 mm	ACN007	21,84	4" x DN100 x 4"	ATE119	304,86	2" ÷ 4"	FPF050	30,32
2 1/2" - 65 x 60 mm	ACN038	34,45	2 1/2" - 65 x 60 mm	ACN008	24,49	4" x DN150 x 4"	ATE120	365,81	4" ÷ 6"	FPF051	33,08
3" - 76 x 80 mm	ACN039	20,91	3" - 76 x 80 mm	ACN009	14,40						
4" - 104 x 100 mm	ACN040	24,97	4" - 104 x 100 mm	ACN010	19,00						
5" - 125 x 120 mm	ACN220	33,87	5" - 125 x 120 mm	ACN210	26,73						
6" - 150 x 150 mm	ACN114	48,51	6" - 150 x 150 mm	ACN185	52,10						



Layflat Fittings > Bluline



DESCRIPTION

Application

- Mobile systems, agriculture

Specifics

- Maximum working pressure: 10 bar
- Polypropylene made

Features

- Simple realization of hydraulic installations under rings
- Light and easily trasportable
- Excellent hydraulic seal and pressure resistance
- Layflat blocking system through multiple sawtooth
- Full range of shapes and diameters
- Need of clamp and two-wire connection for a correct installation

Materials

- Polypropylene

Blue PE hose adaptor coupling			Blue PE male hose adaptor sleeve				Blue PE reduced sleeve			Blue PE end line plug		
												
Ø	Code	€	Ø flat	Ø fil.	Code	€	Ø	Code	€	Ø	Code	€
2" - 53 mm	RGL200	3,71	2"	2"	RGL215	4,14	2" x 2 1/2"	RGL206	5,20	2"	RGL235	3,71
2 1/2" - 63 mm	RGL201	4,59	2 1/2"	2 1/2"	RGL218	4,99	2" x 3"	RGL207	5,75	2 1/2"	RGL236	4,46
3" - 75 mm	RGL202	7,17	2 1/2"	3"	RGL219	5,94	2" x 4"	RGL208	9,97	3"	RGL237	6,05
4" - 104 mm	RGL203	12,09	2 1/2"	4"	RGL220	7,53	2 1/2" x 3"	RGL209	6,72	4"	RGL238	10,39
5" - 127 mm	RGL204	22,90	3"	2"	RGL221	5,64	2 1/2" x 4"	RGL210	10,18	5"	RGL239	15,77
6" - 156 mm	RGL205	28,94	3"	2 1/2"	RGL222	6,34	3" x 4"	RGL211	10,92	6"	RGL240	21,63
			3"	3"	RGL223	6,38	4" x 5"	RGL212	19,61			
			3"	4"	RGL224	8,19	4" x 6"	RGL213	25,02			
			4"	3"	RGL227	9,80	5" x 6"	RGL214	28,94			
			4"	4"	RGL228	9,33						
			5"	4"	RGL229	16,86						
			5"	5"	RGL230	18,55						
			6"	5"	RGL231	23,32						
			6"	6"	RGL232	23,54						



> Hose Clamp

Hose clamp with screw W2 - 9 mm - Stainless steel			Two-wire metal clamp			Hose clamp		
								
Ø	Code	€	Ø	Code	€	Ø	Code	€
16 ÷ 27 mm	FFT160	1,19	2" - 50,5 ÷ 56,0 mm	FFT406	1,18	2" - 52 ÷ 55 mm	FFT310	2,12
25 ÷ 40 mm	FFT161	1,27	2"½ - 60 ÷ 68 mm	FFT401	3,19	2"½ - 64 ÷ 67 mm	FFT311	2,76
40 ÷ 60 mm	FFT162	1,43	3" - 76,5 ÷ 84,0 mm	FFT402	3,46	3" - 74 ÷ 79 mm	FFT314	2,87
			4" - 98 ÷ 108 mm	FFT403	4,31	4" - 104 ÷ 112 mm	FFT320	3,49
			5" - 124 ÷ 132 mm	FFT404	6,11	5" - 122 ÷ 130 mm	FFT323	3,65
			6" - 145 ÷ 160 mm	FFT405	10,37	6" - 149 ÷ 161 mm	FFT324	4,72
			2" - SF-55 - 53 ÷ 60 mm	FFT411	1,38	2" - SF-55 - 56 ÷ 59 mm	FFT312	2,20
			4" - SF-55 - 109 ÷ 116 mm	FFT414	8,48	3" - SF-55 - 79 ÷ 85 mm	FFT315	3,05
			5" - SF-55 - 125 ÷ 140 mm	FFT415	8,70	5" - SF-55 - 131 ÷ 140 mm	FFT322	4,31
			6" - SF-55 - 155 ÷ 170 mm	FFT416	9,33	6" - SF-55 - 162 ÷ 174 mm	FFT326	5,56

> Flanges

PN16 female threaded flange*				Flanges rubber seals			Flanges fiber seals			Galvanized screws kit + Ø 16 bolts			
													
Ø	Code	PN	€	Ø	Code	€	Ø	Code	€	Ø	Code	B.	€
DN50 x 2"	FFA161	16	36,59	DN65	RGN150	2,36	DN40	RGN400	3,68	16 x 70	KVB002	8 + 8	24,25
DN65 x 2"½	FFA162	16	40,23	DN80	RGN110	4,53	DN50	RGN401	5,28	16 x 90	KVB003	8 + 8	29,89
DN80 x 3"	FFA812	16	59,08	DN100	RGN112	4,66	DN65	RGN402	10,55	16 x 120	KVB004	8 + 8	41,68
DN100 x 4"	FFA813	16	69,75	DN125	RGN113	4,72	DN80	RGN403	11,93				
DN125 x 5"	FFA143	16	106,71	DN150	RGN114	6,18	DN100	RGN404	14,69				
DN150 x 6"	FFA144	16	266,20	DN200	RGN301	11,31	DN150	RGN406	23,85				
*PN16, PN6 welding flange and bolts available on request							DN200	RGN408	34,40				

> Adhesives and Detergents for PVC Cemented Fittings

Code	Description	Box	€/each	
MCL010	Adhesive for PVC with brush	ml 250	10	18,18
MCL011	Adhesive for PVC with brush	ml 500	10	33,16
MCL002	Adhesive for PVC with brush	ml 965	10	53,00
MCL025	Sealing adhesive TANGIT for hoses and PVC	ml 500	12	60,95
MDT001	Detergent for PVC	ml 1.000	10	34,75

> Adhesive Seals and Accessories for Hose Assembling

Code	Description	Box	€/each	
MTF001	Teflon tape for threads mt 12 x ½" height	10	0,74	
MTF002	Teflon tape for threads mt 15 x ¾" height	10	2,93	
MTF003	Silicone tape for threads mt 15 x 14 mm	10	9,76	
MTF050	Loctite 55 teflon sealant for threads	mt 160	10	45,48
MSV005	Scivolina jar	ml 1000	10	16,35
MVR185	Blue for water hose	mt 200 x mm 20	1	25,60
MVR265	Yellow for gas hose	mt 200 x mm 20	1	25,60

> Detergent for PE/PP/PB/PVDF

Code	Description	Box	€/each	
MDT002	Detergent for PE/PP/PB/PVDF	ml 1.000	12	50,60



Accessories >

> Layflat Tools

Code	Description	€	
OAF300	Driller for Layflat PUNLF 14 orange Ø 14	109,40	
OAF301	Driller for Layflat PUNLF 19 blue Ø 19	136,90	
OAF250	PG-HP B400 driller green for PE Ø 6	24,88	
OAF310	LFDRS Layflat quick coupling black key Ø 7	56,63	
OAF312	LFDRS Layflat quick coupling black key Ø 10	56,63	
OAF314	Exagonal driver key Angle Ø 13	17,40	
OAF311	Exagonal driver key Tee Ø 3/8"	32,80	

> Tools for PE and for Compression Fittings

Code	Description	€	
RVR007	Chamfering tool for PE pipe Ø 20/63	79,37	
RVR009	Chamfering tool for PE pipe Ø 40/250	233,20	
RVR016	Fixed wrench 7790/16 Ø 16/40	14,12	
RVR005	Fixed wrench 7790/40 Ø 40/75	64,99	
RVR017	Fixed wrench 7790/63 Ø 63/125	91,02	

> Driller, Cutter and Insertion Couplings for Pipes

Code	Description	€	
OAF220	Quick-Drill driller S 7,5 Ø hole mm 7,5	92,40	
OAF221	Quick-Drill driller S 11 Ø hole mm 11,0	104,00	
OAF030	Driller for clamp saddle Connec. 1/2" e 3/4"	34,51	
OAF315	Metalpuncher driller Ø hole mm 3	10,04	
OAF007	Plastic driller clamp for pipe PE Ø 16/20 Ø hole mm 3	32,52	
OAF008	Plastic driller clamp for pipe PE Ø 25/32 Ø hole mm 3	26,46	
OAF002	Driller with residue ejector PE Ø hole mm 3	18,10	
OAF205	Driller with insertion penetration tool Ø hole mm 3	17,00	
OAF206	Driller with insertion penetration tool Ø hole mm 4	18,50	
OAF016	Combo cutter Ø mm 40	76,12	
OAF017	Basic cutter Ø mm 40	43,34	
OAF018	Self-closing ratchet driller Ø mm 40	103,07	
OAF210	Clamp for insert pipe Ø mm 5/3	35,90	
OAF211	Clamp for insert pipe Ø mm 7/4	35,90	
OAF116	Punches for start connectors for pipe Ø 50 Ø hole mm 7,5	248,00	







PIPING

PE TUBE LD	_____	212
WHITE PE LD HOSE	_____	212
PE TUBE HD	_____	213
PVC U TUBE	_____	214
PVC A TUBE	_____	215
LAYFLAT TUBE	_____	216
PRE-DRILLED LAYFLAT PIPE	_____	218
CORRUGATED CABLE BUSHING	_____	220
DRAINAGE TUBE	_____	220
SUCTION / DELIVERY HOSE	_____	220
PVC PIPE SUBMERSIBLE PUMPS	_____	221

PE Pipe >



> LD

DESCRIPTION

- Low-density polyethylene pipe
- Black colour
- In compliance with UNI 7990/2004 rule

PN4				PN6			
Ø	Code	Coil mt	€/mt	Ø	Code	Coil mt	€/mt
16	TPE001	25	1,19	16	TPE105	25	1,29
16	TPE002	50	1,02	16	TPE106	50	1,12
16	TPE003	100	0,89	16	TPE101	100	0,98
16	TPE020-S	500	0,67	16	TPE030	500	0,85
20	TPE004	25	1,61	20	TPE107	25	1,65
20	TPE005	50	1,40	20	TPE108	50	1,43
20	TPE006	100	1,22	20	TPE049	100	1,00
20	TPE021	200	0,97	20	TPE049-S	400	1,08
25	TPE007	25	1,94	25	TPE109	25	2,36
25	TPE008	50	1,67	25	TPE110	50	2,05
25	TPE043	100	1,46	25	TPE054	100	1,79
25	TPE043-S	300	1,20	25	TPE054-S	300	1,50
32	TPE009	25	2,64	32	TPE111	25	3,71
32	TPE011	50	2,30	32	TPE116	50	3,23
32	TPE045	100	2,00	32	TPE047	100	2,81
32	TPE045-S	200	1,68	32	TPE047-S	200	2,43
40	TPE046	100	2,70	40	TPE053	100	3,73
50	TPE022	100	4,08	50	TPE056	100	5,65
63	TPE057	100	6,35	63	TPE063	100	8,93
75	TPE041	100	10,36	75	TPE029	100	14,40
90	TPE042	100	15,00	90	TPE082	100	20,65
110	TPE080	50	22,38	110	TPE083	50	30,70



> LD
White

DESCRIPTION

- Low-density polyethylene pipe
- White colour with black co-extruded interior
- In compliance with UNI 7990/2004 rule

Ø	Code	PN*	Coil mt	€/mt
20	TPE1012-S	4	200	1,12
25	TPE1023-S	4	100	1,67
32	TPE1014-S	4	100	2,29
40	TPE1015-S	4	100	REQ.
50	TPE1016-S	4	100	REQ.
63	TPE1017-S	4	100	REQ.
20	TPE1005-S	6	200	1,15
25	TPE1006	6	100	2,05
32	TPE1007	6	100	3,23
63	TPE1010	6	100	REQ.

*PN6 available on request





> HD

DESCRIPTION

- High-density PE100 polyethylene pipe
- Black colour with azure coextruded stripes
- In compliance with rules: UNI EN 12201, UNI EN ISO 15494, ISO TR10358, UNI EN 1622 and meeting the requirements of Decree 174 dtd 04/06/04 (g.u. nr 166 dtd 07/17/04) of Ministry of Health, suitable for waters conveyance of human consumption

Temperature °C	Maximum working pressure (bar)			
	PN6	PN10	PN16	PN25
< 20	6,0	10,0	16,0	25,0
30	5,2	8,7	13,9	21,7
40	4,4	7,4	11,8	18,5

> HD Coils

PN10 - SDR 17				PN16 - SDR 11				PN25 - SDR 7,4			
Ø	Code	mt	€/mt	Ø	Code	mt	€/mt	Ø	Code	mt	€/mt
20	TPE501	100	1,32	20	TPE510	100	1,37	20	TPE540	100	1,93
25	TPE502	100	1,79	25	TPE512	100	2,04	25	TPE541	100	2,84
32	TPE503	100	2,38	32	TPE513	50-100	3,17	32	TPE542	50-100	4,43
40	TPE471	100	3,56	40	TPE514	50-100	4,99	40	TPE543	50-100	6,91
50	TPE472	100	5,47	50	TPE515	50-100	7,60	50	TPE544	50-100	10,79
63	TPE473	100	8,56	63	TPE516	50-100	12,02	63	TPE545	50-100	16,91
75	TPE474	50	12,77	75	TPE517	50-100	17,59	75	TPE546	50-100	25,19
90	TPE475	50	18,40	90	TPE518	50-100	25,55	90	TPE547	50-100	36,11
110	TPE476	50	27,28	110	TPE519	50	37,79	110	TPE548	50	54,06

Other diameters up to 630 mm and PN6 SDR 26 pipe (Ø mm 160 ÷ 630) on request

> HD Bars

PN10 - SDR 17				PN16 - SDR 11				PN25 - SDR 7,4			
Ø	Code	mt	€/mt	Ø	Code	mt	€/mt	Ø	Code	mt	€/mt
125	TPE477	6-12	30,38	32	TPE550	6	3,34	32	TPE570	6	4,63
140	TPE478	6-12	36,54	40	TPE551	6	5,22	40	TPE571	6	7,26
160	TPE479	6-12	47,72	50	TPE552	6	7,96	50	TPE572	6	11,29
180	TPE480	6-12	60,25	63	TPE553	6	12,60	63	TPE573	6	17,70
200	TPE481	6-12	74,34	75	TPE554	6-12	16,12	75	TPE574	6	23,10
225	TPE482	6-12	94,27	90	TPE557	6-12	23,42	90	TPE575	6-12	33,11
250	TPE483	6-12	115,58	110	TPE556	6-12	34,63	110	TPE576	6-12	49,56
315	TPE485	6-12	183,85	125	TPE520	6-12	44,88	125	TPE577	6-12	63,71
400	TPE486	12	295,67	140	TPE521	6-12	53,66	140	TPE578	6-12	76,74
				160	TPE522	6-12	70,37	160	TPE579	6-12	99,82
				180	TPE567	6-12	88,96	180	TPE580	12	126,22
				200	TPE524	6-12	109,73	200	TPE581	12	156,08
				225	TPE525	6-12	138,85				
				250	TPE526	6-12	170,81				
				315	TPE527	6-12	270,92				

Other diameters up to Ø 630 mm and PN6 SDR 26 pipe (Ø from 160 to 630 mm) on request

PE 80 GAS pipe with yellow stripe (IIP131 rule compliance) available on request



Tubo PVC-U >



DESCRIPTION

- PVC pipe for fluids in pressure (6 mt bar)
- RAL7011 grey colour
- Complying with UNI en 1452 RULE AND MEETING REGULATIONS OF Decree of law n. 174 of 04/04/04 (official law n.166 of 07/17/04) of Ministry of Health
- Up to Ø 400 on request

PN6 SDR 33			PN10 SDR 21			PN16 SDR 13,6			PN6 SDR 41			PN10 SDR 26			PN16 SDR 17		
Ø	Code	€/mt	Ø	Code	€/mt	Ø	Code	€/mt	Ø	Code	€/mt	Ø	Code	€/mt	Ø	Code	€/mt
			32	TRE001	2,58	32	TRE170	3,61	110	TRE045	13,41	110	TRE007	19,17	110	TRE050	28,95
40	TRE149	2,85	40	TRE002	3,47	40	TRE171	5,16	125	TRE011	17,55	125	TRE009	24,66	125	TRE020	36,92
50	TRE047	3,82	50	TRE003	5,44	50	TRE172	7,97	140	TRE150	21,98	140	TRE016	31,11	140	TRE173	46,36
63	TRE022	5,87	63	TRE004	8,42	63	TRE048	12,68	160	TRE151	28,45	160	TRE012	40,77	160	TRE174	60,50
75	TRE021	8,13	75	TRE005	12,06	75	TRE169	18,00	180	TRE152	37,57	180	TRE160	53,88	180	TRE175	81,21
90	TRE010	11,24	90	TRE006	15,82	90	TRE080	23,60	200	TRE153	43,56	200	TRE013	63,03	200	TRE176	94,56
									225	TRE154	55,10	225	TRE060	79,20			
									250	TRE155	69,14	250	TRE008	98,31			

PVC-A Pipe>



DESCRIPTION:

PVC-A pipes and fittings system

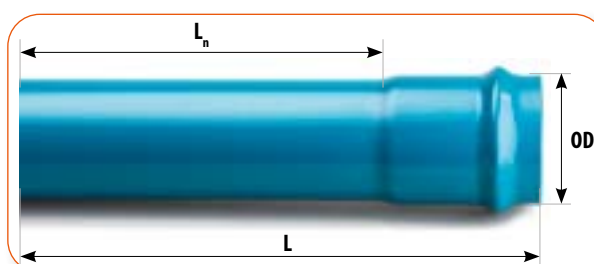
- PVC mixed polymeric composite system crack propagation resistant
- Better performances for conveying water and fluids in pressure

Features

- High resistance to crack propagation while laying
- Chemical agents excellent
- Stray currents resistance
- Substantial resistance to point loads impact at low temperature as well
- Less weight than plastic traditional ducts of equal diameter

Ø OD mm	Lengths mm		PN10			PN16			Pipes x pallet
	L	Ln*	Code	Thickness mm	€/mt	Code	Thickness mm	€/mt	
50	6.000	5.890				TRS025	3	REQ.	194
63	6.000	5.880	TRS004	2,1	REQ.	TRS026	3,2	REQ.	123
90	6.000	5.865	TRS006	2,6	REQ.	TRS028	4	REQ.	96
110	6.000	5.850	TRS007	3,1	REQ.	TRS029	4,9	REQ.	57
125	6.000	5.840	TRS008	3,5	REQ.	TRS030	5,5	REQ.	51
140	6.000	5.830	TRS009	3,9	REQ.	TRS031	6,2	REQ.	45
160	6.000	5.810	TRS010	4,5	REQ.	TRS032	7	REQ.	33
200	6.000	5.790	TRS012	5,6	REQ.	TRS034	8,8	REQ.	20

*Useful length



> PVC-A Pipe Anti-fraying Fittings



DESCRIPTION:

Features

- Once assembled, the pipe cannot be removed
- By using anti-fraying fittings, anchor blocks are not required either for standard ducts installation or for no-dig ones

Material

- PVC-U fitting
- Seal: SBR - RVS 304

Ø OD mm	Code	PN12,5	OD	L	Max. Press.	€
63	RBG260	+	84	250	PN16	REQ.
90	RBG261	+	115	280	PN16	REQ.
110	RBG262	+	140	280	PN16	REQ.
160	RBG263	+	200	335	PN16	REQ.
200	RBG264	+	250	372	PN16	REQ.



LayFlat Pipe >



DESCRIPTION

- Anti-twist
- Easy to rewind for subsequent use
- Better fitting and pipe grip due to the use of braided wires ensuring steadiness on the whole length of the pipe
- 3-parts polyester wire
- Both pipe and coating are simultaneously extruded in order to obtain maximum fusion
- Working temperature: -20°C ÷ +76° C (higher than +43°C working pressure decreases)

SUN-FLOW

SF10 BLUE LAYFLAT



Ø	Code	Ø _{int} mm	Thick. mm	Press. bar exercise	mt coils	€/mt
2"	TMN501	53,1	1,5	5,50	100	2,92
2 1/2"	TMN502	65,0	1,5	4,50	100	4,21
3"	TMN503	78,0	1,6	5,50	100	5,65
4"	TMN504	104,9	1,7	4,80	100	7,57
5"	TMN505	128,0	1,8	2,76	100	10,34
6"	TMN506	156,5	1,9	4,14	100	12,75
4"	TMN518	104,9	1,7	4,80	50	7,57
5"	TMN519	128,0	1,8	2,76	50	10,34
6"	TMN520	156,5	1,9	4,14	50	12,75
8"	TMN508	207,0	2,2	2,41	100	28,48

SF55 GREY LAYFLAT



Ø	Code	Ø _{int} mm	Thick. mm	Press. bar exercise	mt coils	€/mt
2"	TMN550	52,8	2,2	10,34	100	5,08
3"	TMN552	78,0	2,5	10,34	100	10,86
4"	TMN553	104,9	2,9	6,89	100	15,95
5"	TMN554	128,8	3,3	6,89	100	22,95
6"	TMN555	154,9	3,7	6,89	100	28,47

SF20 GREEN LAYFLAT*



Ø	Code	Ø _{int} mm	Thick. mm	Press. bar exercise	mt coils	€/mt
4"	TMN604	104,0	4,0	12	90	39,90
6"	TMN605	154,0	5,0	12	89	67,13

*While stocks last

scarabelli IRRIGAZIONE

SCARABELLI GREENFLAT



Ø	Code	Ø _{int} mm	Thick. mm	Press. bar exercise	mt coils	€/mt
2"	TMN862*	53	1,4	6,5	100	4,36
4"	TMN864	103	1,6	4	100	8,54
5"	TMN865	128	1,8	4	100	11,65

*Specifically for sprinkler systems

LAYFLAT SH



Ø	Code	Ø _{int} mm	Thick. mm	Weight g/mt	Press. bar exercise	mt coils	€/mt
2"	TMN855	53	1,30	270	4,5	100	2,58
3"	TMN856	78	1,70	530	4,0	100	4,96
4"	TMN859	104	1,75	705	4,0	100	6,60
5"	TMN860	128	1,85	935	3,0	100	8,92
6"	TMN861	155	1,95	1.175	3,0	100	11,05

LAYFLAT HI-SH



Ø	Code	Ø _{int} mm	Thick. mm	Weight g/mt	Press. bar exercise	mt coils	€/mt
2"	TMN958	52,0	1,6	333	7,0	100	3,65
3"	TMN957	78,5	1,9	570	6,0	100	6,05
4"	TMN956	104,5	2,3	865	6,0	100	9,28
5"	TMN955	128,0	2,3	1.080	6,0	100	12,08
6"	TMN954	156,5	2,6	1.482	6,0	100	15,33



LayFlat Pipe >



DESCRIPTION

Application

- For water handling and distribution in extensive irrigation systems

Specifications

- PVC ducting - consisting of simultaneous extrusion with 3-ply polyester tubing
- Temperature range: - 20°C / + 70°C (at temperatures below -15°C do not handle product - temperatures above + 45°C reduce pressure resistance)
- Available in three working ranges:
 - TD Flat blue: 3 bar
 - TN Flat green: 6 bar
 - TR Flat red: 12 bar
- Check the data sheet of the specific product

Features

- Used to make removable water movement pipelines
- To create water distribution systems by means of pluggable fittings on the side
- Compatible with galvanised metal LayFlat fittings or specific PM compression fittings
- Flexible, highly resistant to crushing and creep
- Wide range of diameters to meet field requirements

WITHOUT START CONNECTOR

Ø	Code	Max pressure (bar)	Wall thickness (mm)	Weight x mt (gr)	Coil weight (kg)	Coil length (mt)	Coil dimensions D x L (cm)	€
TD- FLAT BLUE								
2"	TMN620	6	1,50	310	31	100	64 x 7	3,24
2 1/2"	TMN622	6	1,50	370	37	100	66 x 12	4,53
3"	TMN623	4	1,55	450	45	100	63 x 14	4,56
4"	TMN624	4	1,75	630	63	100	65 x 17,5	6,34
5"	TMN625	3	1,75	860	86	100	69 x 21	10,35
6"	TMN626	3	2,00	1000	100	100	72 x 26	12,03
8"	TMN627	2,5	2,30	2050	205	100	89 x 33	25,74
TD- FLAT GREEN								
2"	TMN620	10	1,70	330	33	100	68 x 9	4,00
2 1/2"	TMN622	10	1,75	400	40	100	65 x 12	4,84
3"	TMN623	6	1,90	570	57	100	73 x 13	7,45
4"	TMN624	6	2,00	780	78	100	75 x 17,5	9,66
5"	TMN625	6	2,30	1000	100	100	85 x 21	12,28
6"	TMN626	6	2,40	1500	150	100	90 x 26	17,94
TD- FLAT RED								
1 1/2"	TMN638	16	2	510	25,5	50	68 X 9	7,28
2"	TMN639	16	2,3	640	32	50	65 X 12	9,19
2 1/2"	TMN640	16	2,3	660	33	50	62 X 13	9,39
3"	TMN641	16	2,35	720	36	50	65 X 13	10,21
4"	TMN642	16	2,5	1100	55	50	71 X 17,5	15,70



Layflat Pipe with Pre-Inserted Fitting >



DESCRIPTION

Application

- For water handling and distribution in extensive irrigation systems

Specifications

- PVC ducting - consisting of simultaneous extrusion with 3-ply polyester tubing
- Temperature range: - 20°C / + 70°C (at temperatures below -15°C do not handle product - temperatures above + 45°C reduce pressure resistance)
- Available in three working ranges*:
- TD Flat blue: 3 bar
- Check the data sheet of the specific product

Features

- Used to make removable water movement pipelines and creep
- To create water distribution systems by means of pluggable fittings on the side
- Compatible with galvanised metal LayFlat fittings or specific PM compression fittings
- Flexible, highly resistant to crushing
- Wide range of diameters to meet field requirements
- Start Connector spacings from 0.7 m to 10 m
- Available Start Connector spacings (cm): 70 - 90 - 100 - 140 - 150 (others on request)

WITH START CONNECTOR

Ø	Max pressure (bar)	Coil length (mt)	Coil dimensions D x L (cm)	70 cm		90 cm		100 cm		140 cm		150 cm	
				Code	€	Code	€	Code	€	Code	€	Code	€
TD- FLAT BLU													
2"	3	100	78 x 12	TMN2P07S	5,45	TMN2P09S	4,97	TMN2P10S	4,76	TMN2P14S	4,35	TMN2P15S	4,35
3"	3	100	78 x 14	TMN3P07S	6,76	TMN3P09S	6,28	TMN3P10S	6,07	TMN3P14S	5,66	TMN3P15S	5,66
4"	3	100	80 x 17,5	TMN4P07S	8,56	TMN4P09S	8,07	TMN4P10S	7,87	TMN4P14S	7,45	TMN4P15S	7,38
5"	3	100	84 x 21	TMN5P07S	12,49	TMN5P09S	12,01	TMN5P10S	11,87	TMN5P14S	11,39	TMN5P15S	11,32
6"	3	100	87 x 26	TMN6P07S	14,21	TMN6P09S	13,66	TMN6P10S	13,52	TMN6P14S	13,04	TMN6P15S	12,97
8"	2.5	100	107 x 33	TMN8P07S	28.98	TMN8P09S	28.70	TMN8P10S	28.57	TMN8P14S	28.15	TMN8P15S	28.15

ACCESSORIES

Code	Description	€		Code	Description	€	
OAF317	Torx wrench - 0 10 mm	11,10		RLF012-S	Lay-Flat ½ "F x pre-drilled start	1,28	



DESCRIPTION

Application

- For water handling and distribution in extensive irrigation systems

Specifics

- PE pipeline - consisting of simultaneous extrusion with 3-ply polyester tubing
- Temperature range: - 20°C / + 70°C (at temperatures below -15°C do not handle product - temperatures above + 45°C reduce pressure resistance)
- Working ranges:- PETd Flat grey: 3 bar
- check the data sheet of the specific product

Features

- Used to make removable water handling pipes.
- To realise water distribution systems by means of pre-assembled Start Connectors.
- Flexible, lightweight, crush resistant
- Wide range of diameters to meet field requirements
- Start Connector spacings from 0.5 m to 10 m
- Available Start Connector spacings (cm): 70 - 90 - 100 - 140 - 150 (others on request)

	3"	4"	5"	6"	3"	4"	5"	6"
Max. working pressure bar	2	2	2	2	3	3	3	3
Weight x mt grams	220	330	440	560	270	400	490	620
Coil weight kg	22	33	44	56	27	40	49	62
Coil length mt	100	100	100	100	100	100	100	100
Coil dimensions DxL cm	58 x 14	60 x 17	87 x 21	90 x 25	61 x 14	85 x 17,5	87 x 21	90 x 25

Whith Start Connector	Max. working pressure bar	1,5	1,5	1,5	1,5	2	2	2	2
	Coil dimensions DxL cm	78 x 14	80 x 17	107 x 21	110 x 25	81 x 14	105 x 17,5	107 x 21	110 x 25

PED-FLAT WHITE

Ø	Code	Ø _{int} mm	Press. bar operat.	Coils mt	€/mt
3"	TMN003	78,0	3,0	100	4,56
4"	TMN004	105,0	3,0	100	6,34
5"	TMN005	128,0	3,0	100	10,35
6"	TMN006	156,5	3,0	100	12,03

PE Pmfit STRETCH FITTINGS

Sleeve			M-connector			Key	
							
Ø	Code	€	Ø	Code	€	Code	€
3"	RGL403	26,90	3" x 3"	RGL413	14,80	OAF318	43,00
4"	RGL404	31,80	4" x 4"	RGL414	18,60		
5"	RGL405	60,40	5" x 5"	RGL415	35,10		
6"	RGL406	98,30	6" x 6"	RGL416	55,90		

LAYFLAT PeD-FLAT WHITE PRE-DRILLED (MAX. 1,5 BAR) WITH ½"F PRE-INSERTED START - COILS 100 M

Ø _{int} mm	Thick. ~ mm	Ø	Distance Departures									
			70 cm		90 cm		100 cm		140 cm		150 cm	
			Code	€/mt	Code	€/mt	Code	€/mt	Code	€/mt	Code	€/mt
78,0	1,00	3"	TMNP13P07S	6,62	TMNP13P09S	6,14	TMNP13P10S	5,93	TMNP13P14S	5,53	TMNP13P15S	5,53
105,0	1,05	4"	TMNP14P07S	8,38	TMNP14P09S	7,90	TMNP14P10S	7,69	TMNP14P14S	7,29	TMNP14P15S	7,22
128,0	1,10	5"	TMNP15P07S	12,22	TMNP15P09S	11,74	TMNP15P10S	11,60	TMNP15P14S	11,12	TMNP15P15S	11,05
156,5	1,10	6"	TMNP16P07S	13,84	TMNP16P09S	13,30	TMNP16P10S	13,16	TMNP16P14S	12,68	TMNP16P15S	12,62

Other distances departures on request

LAYFLAT PeD-FLAT WHITE PRE-DRILLED (MAX. 2 BAR) WITH ½"F PRE-INSERTED START - COILS 100 M

Ø _{int} mm	Thick. ~ mm	Ø	Distance Departures									
			70 cm		90 cm		100 cm		140 cm		150 cm	
			Code	€/mt	Code	€/mt	Code	€/mt	Code	€/mt	Code	€/mt
78,0	1,35	3"	TMNP23P07S	6,89	TMNP23P09S	6,39	TMNP23P10S	6,17	TMNP23P14S	5,76	TMNP23P15S	5,76
105,0	1,40	4"	TMNP24P07S	8,72	TMNP24P09S	8,22	TMNP24P10S	8,00	TMNP24P14S	7,59	TMNP24P15S	7,51
128,0	1,65	5"	TMNP25P07S	12,71	TMNP25P09S	12,21	TMNP25P10S	12,07	TMNP25P14S	11,57	TMNP25P15S	11,50
156,5	1,80	6"	TMNP26P07S	14,40	TMNP26P09S	13,84	TMNP26P10S	13,69	TMNP26P14S	13,19	TMNP26P15S	13,13

Other distances departures on request



Special Pipe >

> Corrugated Passacable



DESCRIPTION

- Protection and passage of water ducts, electrical cable ducts, etc. . .
- PEAD made, extremely corrugated and internally coated by a low-density polyethylene layer which make ducts smoother in order to enable the interneale passage
- Equipped with an internal pipe puller
- 450 Newton crashing resistance
- Complying with rule CEI EN 50086-2-4/A1 (CEI 23-46) and meeting the essential requirement of directive B: T 73/23/CEE and following amendments

Ø	Code	Coil mt	€/mt
40	TVR007	50	2,34
50	TVR008	50	2,70
63	TVR002	50	3,42
75	TVR009	50	4,32
90	TVR003	50	5,04
110	TVR050	50	6,48
125	TVR051	50	7,74
160	TVR053	50	12,42
200	TVR054	25	21,96

> Drainage

DESCRIPTION

Double-Wall PEAD

- Draining systems

Nude PVC

- Rigid, corrugated and flexible PVC
- Standard holes width is 1,3 mm and this is excellent in order to avoid cloggings
- The ring shape allows a high crushing resistance (on normal conditions, can be put underground up to a 5 mt depth)

Coated PVC

- Aspirations and pourings of food and no-food waters and liquids
- Atoxic, light, flexible and plasticised PVC, with rigid, anti-shock and anti-crashing PVC
- reinforce spiral
- Working temperature: -15°C ÷ +60°C
- Colour: transparent with ivory spiral

Double-Wall PEHD



Nude PVC



Coated PVC



Ø	Code	mt	€/mt	Ø	Code	mt	€/mt	Ø	Code	mt	€/mt
63	TDR530	50	3,78	50	TDR002	200	2,25	50	TDR011	200	4,50
75	TDR531	50	4,86	65	TDR003	150	3,15	65	TDR012	150	6,15
90	TDR532	50	5,40	80	TDR005	100	4,35	80	TDR013	100	8,25
110	TDR533	50	6,84	100	TDR006	50	6,00	100	TDR014	50	12,00
125	TDR534	50	8,46	125	TDR007	50	10,50				
160	TDR536	50	14,04	160	TDR009	50	17,40				
200	TDR537	25	24,48	200	TDR008	40	31,63				

> Aspiration and Intake

SPIRAL SUCTION DESCRIPTION

- Aspirations and pourings of food and no-food waters and liquids
- Atoxic, light, flexible and plasticised PVC, with rigid, anti-shock and anti-crashing PVC reinforce spiral
- Working temperature: -15°C ÷ +60°C
- Colour: transparent with ivory spiral

RUBBER REINFORCED ASPIRATION PIPE 2 MT BARS



PN15 INTAKE PIPE 2 MT BARS



PN15 INTAKE PIPE 20 MT BARS

Ø	Code	€/bar	Ø	Code	€/bar	Ø	Code	€/bar
60	TG0001	102,00	60	TG0100	102,20	60	TG0129	837,00
80	TG0002	148,50	80	TG0101	135,90	80	TG0130	1.191,00
100	TG0003	178,50	100	TG0102	171,30	100	TG0131	1.468,50
120	TG0004	208,50	120	TG0103	201,00	120	TG0132	1.873,50
150	TG0005	264,00	150	TG0104	381,50	150	TG0133	3.226,50



> PVC Intake Pipes For Submersible Pumps



DESCRIPTION

- Rigid PVC pipe
- Submersible pumps connection
- High resistance to external pressures and traction
- High shock resistance
- Light and easy to carry
- Trapezoidal male thread on the ends
- Pre-installed coupling at one end
- O-ring hydraulic seal
- Blocking system against ducts untightening
- Pump connection by stainless steel coupling
- Low load losses/hydraulic coefficient $K=0.01$
- Certified for drinkable water use

PUMPS AND OUTPUT Ø

Ø _{nom} pump	Ø F. gas thread outp. for intake pipe conn.
3"	1"
4"	1"¼
4"	2"
6"	2"½
6"	3"
8"	3"
8"	5"
10"	5"

INTAKE PIPES

Code	Ø _{ext}		Thick.	Ø _{int}	Coup. Ø _{ext}	Thread type	Pipe weight kg/mt	Pract. resist. kg	€/bar
	mm	Inch.							
TMP001	48	1"½	4,5	39,0	60	TPN4	0,9	2,0	73,40
TMP002	60	2"	5,8	48,4	75	TPN4	1,5	2,7	102,69
TMP003	75	2"½	6,8	61,4	90	TPN4	2,2	4,0	139,15
TMP004	90	3"	8,2	73,6	105	TPN4	3,1	7,0	191,03
TMP005	114	4"	8,2	97,6	130	TPN6	4,0	8,6	245,07
TMP006	140	5"	10,3	119,4	170	TPN6	6,2	17,0	356,72
TMP007	170	6"	12,0	146,0	200	TPN6	8,8	19,3	487,02
TMP008	225	8"	16,7	191,6	265	TPN6	16,2	25,0	862,86

Note: each bar is 4 m + 1 sleeve - Max depth 100 m

SS NIPPLE FOR SUBMERSIBLE PUMPS AND INTAKE PIPES CONNECTION



Trapezoidal M thread + M gas thread			
Code	mm	Inches	€
TMA018	48	1"½	124,84
TMA016	60	2"	150,45
TMA017	75	2"½	225,68
TMA019	90	3"	300,90
TMA020	114	4"	524,97
TMA021	140	5"	798,65

SS FITTING FOR SUBMERSIBLE PUMPS AND INTAKE PIPES CONNECTION



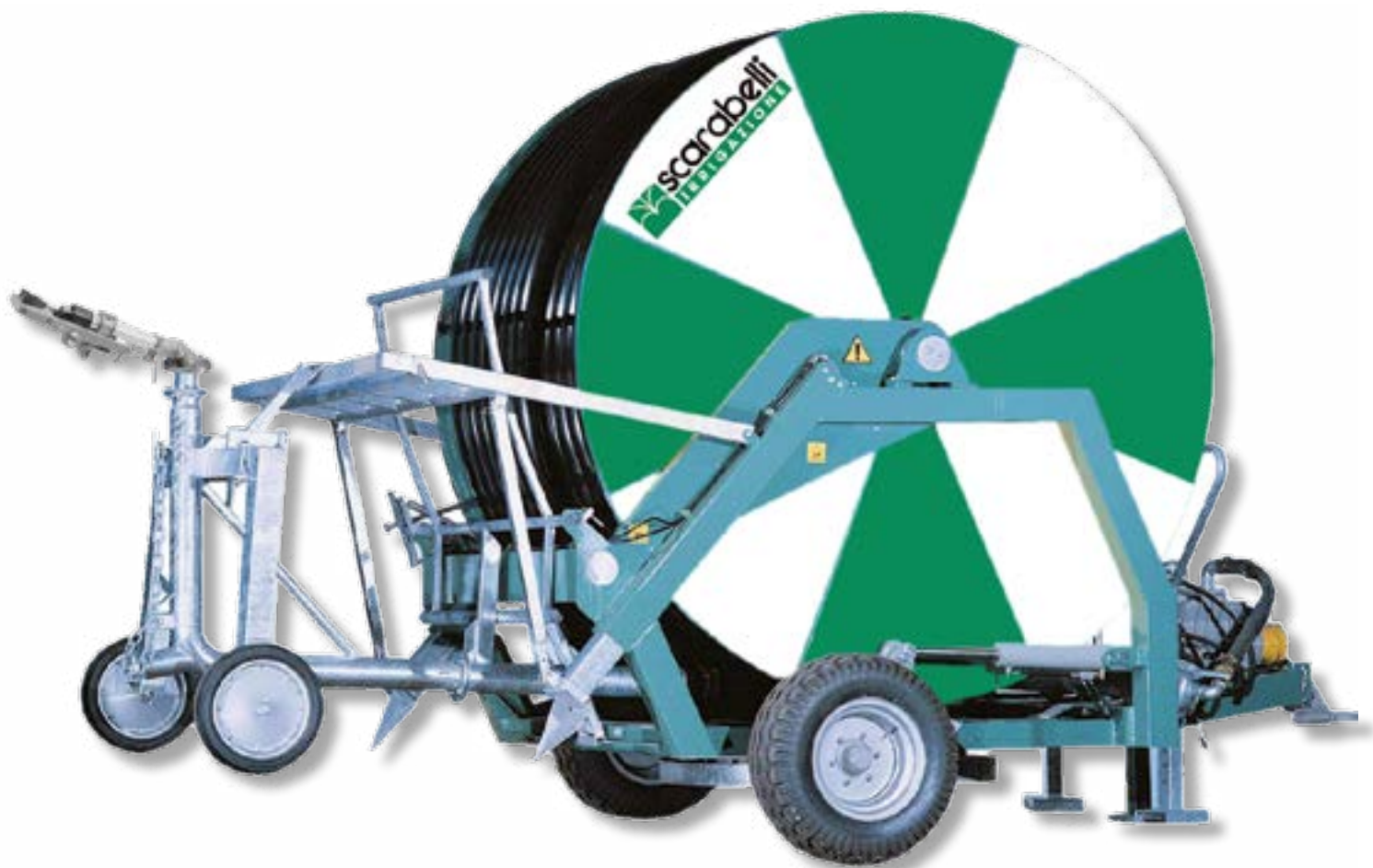
Filetto M Gas + F trapezoidale			
Code	Inches	mm	€
TMA001	1"½	48	124,84
TMA002	2"	48	124,84
TMA004	2"	60	150,45
TMA009	2"½	60	187,89
TMA003	2"½	75	225,68
TMA006	3"	75	225,68
TMA005	3"	90	300,90
TMA007	4"	90	300,90
TMA008	4"	114	524,97
TMA022	5"	114	524,97
TMA023	5"	140	798,65

TRAPEZOIDAL MALE THREADED LIFT HEAD



Code	Inches	€
TMA012	1"½	65,63
TMA015	2"	75,23
TMA011	2"½	89,63
TMA010	3"	100,84
TMA013	4"	121,64
TMA014	5"	140,00





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> SCM Base Series Motorpump



DESCRIPTION

- IVECO motor (TIER 3A rule) complete with hand throttle and low noise muffler
- Motor protection control unit type Elcos Cem 250, complete with tachometer, meter, pressure gauge, pressure switch, timer, start key, alarm lights; motor stop in case of low oil pressure, motor high temperature, belts break, water pressure fall

Features

- Chassis on 2 large-diameter wheels, built-in tank, 3 support height, height adjustable drawbar, storage compartment, fuel level, start battery
- Elastic joint fo motor and pump coupling
- Caprari pump

Code	Model					N. impell.	Flow-rate l/m			Aspiration	Delivery	€
	Motor	Motor HP	R.P.M.	Average consum. l/h	Pump		Prevalence m					
GMP016	IVECO	70	2.000	11,0	MEC AHZ4/100A	1	2.700 69	2.400 70	2.100 71	DN125	DN100	28.135,00
GMP004	IVECO	79	2.000	11,6	MEC AHZ4/100A	1	2.700 69	2.400 70	2.100 71	DN125	DN100	29.318,00
GMP001	IVECO	95	2.000	13,6	MEC A3/125B	1	4.800 61	3.600 65	3.000 66	DN150	DN125	38.407,00
GMP002	IVECO	95	2.000	13,6	MEC MR100/2H	2	2.700 105	2.400 109	2.160 112	DN125	DN100	40.411,00
GMP013	IVECO	95	2.000	13,6	MEC MG100/2H	2	2.700 105	2.400 109	2.160 112	DN125	DN100	40.411,00
GMP014	IVECO	99	2.200	14,3	MEC MR 80-1/3A	3	1.600 152	1.320 164	1.080 170	DN80	DN80	41.313,00
GMP045	IVECO	122	2.000	16,8	MEC AZRBH4/125C	1	4.200 88	3.600 91	3.000 92	DN150	DN125	44.438,00
GMP025	IVECO	172	2.000	23,1	MEC AZRBH4/125A	1	4.200 111	3.600 114	3.000 115	DN150	DN125	50.460,00
GMP026	IVECO	164	1.750	21,9	MEC MR 125/2E	2	4.200 95	3.600 102	3.000 106	DN150	DN125	63.266,00
GMP027	IVECO	235	1.750	27,0	MEC MR 100-2/3D	3	3.480 137	3.000 150	2.520 159	DN125	DN100	67.075,00
GMP028	IVECO	235	1.750	27,0	MEC MG100-2/3D	3	3.480 137	3.000 150	2.520 159	DN125	DN100	67.428,00

Note: motors being tested for adaptation to NEW EUROPEAN STANDARDS

> Filtration and Fertigation Motorpump



DESCRIPTION

- Preassembled pumping and filtering screen systems for agriculture installations

Application

Specifics

- Maximum pressue: 8 bar
- Maximum working pressure: 2 bar
- Couplings: spherical coupling "Ferrari" kind
- Waste waters discharge: 2"
- Filtering element: screen, 140 micron standard
- Electro hydraulic fertigation pump: 12V DC 300l/h
- Hydraulic check valve with pressure regulation (DN50)
- Manual priming pump

Features

- Control unit power supply: 9V DC battery
- Backwash control system by time and by differential pressure
- Self-supporting chassis, welded and boxed steel
- Tractor's three-point hitch

Code	Description	Ø filter	€
GMP022	Max flow-rate 160 m³/h	6"	49.753,00
GMP021	Max flow-rate 230 m³/h	8"	50.848,00
GMP020	Max flow-rate 270 m³/h	10"	51.266,00

Note: motors being tested for adaptation to NEW EUROPEAN STANDARDS

Filtration and fertigation special version motorpumps	
Version with installed agronic 2500 and fertilizer tank	REQ.
Version with installed fertigation kit	REQ.

OTHER MODELS AND ASSEMBLING ON REQUEST



> Easy Model Integrated Systems



DESCRIPTION

Application

- Preassembled pumping and filtering screen systems for agriculture installations

Specifics

- Maximum pressure: 8 bar
- Maximum working pressure: 2 bar
- Couplings: spherical coupling "Ferrari" kind
- Waste waters discharge: 2"
- Filtering element: screen, 140 micron standard
- Electro hydraulic fertigation pump: 12V DC 300 l/h
- Butterfly valve with manual split up
- Hydraulic check valve with pressure regulation
- Manual priming pump
- Cardano pump Rovatti kind T4 125SE - flow-rate maximum with 540 ground speed and PTO speed 240m³/h

Features

- Control unit power supply: 9V DC battery
- Backwash control system by time and by differential pressure
- Self-supporting chassis, welded and boxed steel
- Tractor's three-point hitch

Materials

- Painted steel chassis

Code	Description	Ø filter	€
GMP012	Max flow-rate 160 m ³ /h	6"	21.876,00
GMP011	Max flow-rate 230 m ³ /h	8"	22.694,00
GMP010	Max flow-rate 270 m ³ /h	10"	23.268,00

OTHER MODELS AND ASSEMBLING ON REQUEST

> Standard Model Integrated Systems



DESCRIPTION

Application

- Preassembled pumping and filtering screen systems for agriculture installations

Specifics

- Maximum pressure: 8 bar
- Maximum working pressure: 2 bar
- Couplings: spherical coupling "Ferrari" kind
- Waste waters discharge: 2"
- Filtering element: screen, 140 micron standard
- Electro hydraulic fertigation pump: 12V CA
- Butterfly valve with manual split up
- Hydraulic check valve with pressure regulation
- Manual priming pump
- Cardano pump Rovatti kind T4 125SE - flow-rate maximum at 540 ground speed and PTO speed 240m³/h

Features

- Control unit power supply: 9V DC battery
- Backwash control system by time and by differential pressure
- Telescopic loader
- Self-supporting chassis, welded and boxed steel
- Tractor's three-point hitch

Materials

- Painted steel chassis

Code	Description	Ø filter	€
GMP033	Max flow-rate 160 m ³ /h	6"	25.716,00
GMP032	Max flow-rate 230 m ³ /h	8"	26.452,00
GMP031	Max flow-rate 270 m ³ /h	10"	27.108,00

OTHER MODELS AND ASSEMBLING ON REQUEST

> Full Model Integrated Systems



DESCRIPTION

Application

- Preassembled pumping and filtering screen systems for agriculture installations

Specifics

- Maximum pressure: 8 bar
- Maximum working pressure: 2 bar
- Couplings: spherical coupling "Ferrari" kind
- Waste waters discharge: 2"
- Filtering element: screen, 140 micron standard
- Butterfly valve with manual split up
- Hydraulic check valve with pressure regulation
- Manual priming pump
- Cardano pump Rovatti kind T4 125SE - flow-rate maximum at 540 ground speed and PTO speed at 240m³/h

Features

- Control unit power supply: 9V DC battery
- Backwash control system by time and by differential pressure
- Telescopic loader
- Self-supporting chassis, welded and boxed steel
- Tractor's three-point hitch
- Fertilizer tanks: 2 x 400lt

Materials

- Painted steel chassis

Code	Description	Ø filter	€
GMP042	Max flow-rate 160 m ³ /h	6"	27.892,00
GMP041	Max flow-rate 230 m ³ /h	8"	28.628,00
GMP040	Max flow-rate 270 m ³ /h	10"	29.284,00

OTHER MODELS AND ASSEMBLING ON REQUEST

> Integrated System Accessories

Code	Description	€
AAC190	Telescopic loader - 180° rotation	3.861,00
AFR021	Single fertilizer tank 500 lt	1.124,00
ASP150	Ø 150 aspiration kit (suction strainer, check valve, 45° bend, rubber pipe, spherical metal pipe)	971,00
ASP200	Ø 200 aspiration kit (suction strainer, check valve, 45° bend, rubber pipe, spherical metal pipe)	2.079,00
PAM001	Priming membrane pump	page 150

> TB Series Self-Moving Machines



DESCRIPTION

Features

- Self-moving machine with hot galvanized upper and lower chassis
- Hose reel irrigator with turntable 360°
- Differential thickness polyethylene hose

Standard Equipment

- Telescopic mechanical support saddles
- Joint shaft on the gearbox
- Partialized flow turbine
- Adjustable track cart
- Glycerine bath pressure gauge
- Manual rewind
- Speed control and compensator
- Meter counter tachometer
- 3 speed reducer (S1 - S2) and 6 speeds (S3 - S4 - S5)
- Drawbar mechanical lift
- Accident prevention protections
- Side power supply
- Flanged turbine on the gearbox
- Sprinkler
- Jointing coupling
- Hydraulic lift operations with manual pump (S3 - S4 - S5)
- In compliance with CE 89/392 rules

TORNADO SERIES

Code	Mod.	Ø hose	Lenght	Sprink.	€

ASR030	S 1	63	250	Twin 101	12.733,24

ASR031	S 2	75	300	Twin 101	16.448,12
ASR032	S 2	82	300	Twin 101	17.254,64

ASR040	S 3	82	400	Twin 101	23.218,00
ASR041	S 3	90	300	Twin 140	21.922,68
ASR042	S 3	90	350	Twin 140	23.657,92
ASR043	S 3	100	250	Twin 140	21.409,44

Code	Mod.	Ø hose	Lenght	Sprink.	€
ASR044	S 4	90	350	Twin 140	25.637,56
ASR045	S 4	90	400	Twin 140	25.955,28
ASR046	S 4	100	350	Twin 140	25.979,72
ASR047	S 4	100	400	Twin 140	27.568,32
ASR048	S 4	110	300	Twin 160	26.541,84
ASR049	S 4	100	450	Twin 160	28.472,60

ASR050	S 5	100	500	Twin 160	33.800,52
ASR051	S 5	110	400	Twin 160	33.336,16
ASR052	S 5	110	450	Twin 160	35.242,48
ASR053	S 5	110	500	Twin 160	37.833,12
ASR054	S 5	125	380	Twin 202	37.271,00
ASR055	S 5	125	400	Twin 202	37.882,00
ASR056	S 5	140	300	Twin 202	36.024,56

> DGS Compact Series Self-Moving Machines



DESCRIPTION

Application

- Mainly for sport areas and large landscape areas

Features

- Differential thickness polyethylene hose
- Pipe rewind while irrigating
- System by partialized flow hydraulic turbine and coaxial reducer, maintenance free
- Working pressure 3.5 ÷ 8 bar (can be checked on the specific pressure gauge)
- Adjustable speed rewind
- Automatic stop of rewind at the end of irrigation
- Adjustable sector sprinkler with spare nozzles
- Endless screw hosedrum for a perfect rewind
- Hosedrum wheel cart by adjustable track, hot-galvanized
- Hot-galvanized chassis (model 40/125 excluded)
- Supply hose on line side
- Complying with CE 89/392 rules

Code	Ø hose	Lenght	Sprinkler	€
OIR200	40	125	K1	5.279,04
OIR201	50	150	Ambo/63	6.989,84
OIR202	63	100	Senior	7.063,16



> DGS XL Series Self-Moving Machines



DESCRIPTION

Features

- Hydraulic self-moving revolving machine with ground positioning
 - Hot-galvanized bearing structure (painted on request)
 - Differential thickness polyethylene pipe
- #### Standard Equipment
- Hydraulic lift of cart, drawbar and wheels (on Si 4 model also the brackets can lift)
 - Partialized flow turbine
 - Adjustable track galvanized moving cart
 - Programming for rewind speed regulation on Si 4
 - Glycerin filled pressure gauge
 - Quick coupling pipes to connect to the tractor for hydraulic system drive
 - Manual rewind
 - On Si 4 motor transmission is by double crown gear
 - Speed compensator
 - Speedometer
 - Structure on 4 rocker wheels on Si 4
 - Emptying compressor (Si 3 - Si 4)
 - Hydraulic device for turret rotation (Si 3 - Si 4)
 - Sprinkler
 - 6 speed gear reducer
 - Connection hose
 - Power take-off on the gearbox
 - In compliance with CE 89/392 rules
 - Flanged turbine for reducer

DGS XL SERIES

Mod.	Code	Mod.	Ø hose	Lenght	Spri.	€
DGS XL 1	ASR066	Si 1	100	450	Twin 140	47.969,00
DGS XL 1	ASR067	Si 1	100	500	Twin 140	56.109,00
DGS XL 1	ASR068	Si 1	110	400	Twin 160	50.750,00
DGS XL 1	ASR069	Si 1	110	450	Twin 160	58.385,00
DGS XL 1	ASR070	Si 1	110	500	Twin 160	61.924,00
DGS XL 1	ASR071	Si 1	125	380	Twin 202	61.115,00
DGS XL 1	ASR072	Si 1	125	400	Twin 202	61.992,00

Mod.	Code	Mod.	Ø hose	Lenght	Spri.	€
DGS XL 2	ASR075	Si 2	125	450	Twin 202	74.043,00
DGS XL 2	ASR076	Si 2	125	500	Twin 202	76.824,00
DGS XL 2	ASR077	Si 2	140	400	Twin 202	75.121,00

DGS XL 3	ASR078	Si 3	125	550	Twin 202	87.509,00
DGS XL 3	ASR079	Si 3	140	450	Twin 202	85.436,00

DGS XL 4	ASR081	Si 4	125	650	Twin 202	123.224,00
DGS XL 4	ASR083	Si 4	140	550	Twin 202	117.308,00

> High Pressure Coupling Kit

Code	Mod.	Lenght mt	Ø	€
TMN723	FLAT SF 20	2,5	3"	148,00
TMN724	FLAT SF 20	2,5	4"	200,90
TMN726	FLAT SF 20	2,5	6"	332,50
TMN753	FLAT SF 20	5,0	3"	206,30
TMN754	FLAT SF 20	5,0	4"	302,70
TMN756	FLAT SF 20	5,0	6"	499,40



> Irrigation Booms



IRRIGATION BOOMS

Code	Description	Nozzles Ø mm	Length mt	Wet strip mt	€
AAP010	Low-pressure irrigation boom, rotating, galvanized (cart excluded) brass standard nozzles	4	25	32	REQ.
AAP011	Low-pressure irrigation boom, rotating, galvanized (cart excluded) brass standard nozzles	5	32	40	REQ.
AAP012	Low-pressure irrigation boom, rotating, galvanized (cart excluded) brass standard nozzles	6	42	50	REQ.

Note: other models and widths are available on request

WING SUPPORTING TRUCK

Code	Description	€
AAP100	Wing supporting truck, hot galvanized and adjustable track, 2 fixed wheels and one pivot	REQ.
AAP101	Wing supporting truck with 3 wheels (2 fixed and 1 pivot) for irrigation boom: 25-32 and 32-40	REQ.
AAP102	Wing supporting truck, hot-galvanized, adjustable height by winch 1 ÷ 2,7 mt Equipped with 2 fixed wheels and 2 pivot. To be used for 42-50 dripline. So equipped, the irrigation boom won't be either pivot or self-levelling	REQ.

OPTIONAL ACCESSORIES*

Code	Description	€
AAP130	Brass nozzle	REQ.
AAP140	2 filters (2" Ø) with stainless steel cartridge (can be fixed to central body)	REQ.

*For other accessories please contact the technical office or refer to "Self-moving machines" brochure

> Pivot Irrigation Systems



DESCRIPTION

Main pivot systems

- CENTRAL PIVOT
- LATERAL PIVOT WITH HOSE
- LATERAL PIVOT FOR CANAL
- RACECOURSE SYSTEM

Pivot system prices available on request

> Machines for PE Pipes and Dripline



> Burying Machine for Sub-Irrigation of Heavy Dripline



DESCRIPTION

- Heavy dripline burying machine

Application

Features

- 2 rows
- Ø 16 or 20 heavy dripline, PC2 type
- Anchors assembled on movable and adjustable parallelogram
- Adjustable load spring
- Double chassis, 2.00 mt width
- 2 adjustable wheels
- 2 adjustable coil carriers
- Ardox anchor and vomer of burying machine
- Working depth: 0 ÷ 40 cm

Code	Description	€
AAV209	2 rows burying machine for heavy dripline - 40 cm maximum depth in soil	18.900,00
AAV213	1 rows burying machine for heavy dripline - 40 cm maximum depth in soil	14.620,00

> T-R-L for Underground Light Dripline



DESCRIPTION

- TRL (tape roller lay) is suitable for deep burying

Application

designed according to various models of dripline

Features

- Length can be adjusted for positioning up to 60 cm depth
- The vertical protection is easy to disassemble and clean
- Any internal items is easy to clean and/or to replace

Code	Description	€
AAV206	3 rows injection machine for light dripline, fixed chassis - maximum burial depth: 60 cm	46.310,00

> Drip Wing Extractor



DESCRIPTION

- Designed to remove the dripline

Application

Features

- Operator platform
- Hydraulic material discharge
- Rotation speed regulator
- Estimated daily harvest of 10 ha of underground hose

Dimensions and weight

- Length: 2,600 mm
- Height: 1,900 mm
- Depth: 1,800 mm
- Weight: 680 kg

Code	Description	€
AAV154	2-row wing/cuff puller	24.100,00





Up & Down Sistem >



DESCRIPTION

The **Europrogress**, **Fiberlane Italia**, **Herbaria**, **Perlite Italiana** and **Scarabelli Irrigazione** companies have come together to create an innovative and original project.

Putting their experiences together, they have developed a "turnkey" product, which offers customers a complete and highly reliable service, based on the professionalism and skills of the companies.

Up & Down, project is characterized by high technological component and allows maximum exploitation of the surface area used for cultivation and the optimization of harvesting time.

Advantages of the Up & Down system

- Double number of plants per square meter
- Greater work comfort thanks to the gutters adjustment at man height
- Efficient use of resources thanks to economies of scale
- Optimization of harvesting time
- Facilitation of the activities of harvesting and setting up the crop
- Greater exploitation of the density and of the area used for cultivation

Features and operation

- The **Up & Down** is a handling system that allows the cultivation channels to be raised and lowered alternately
- The adjustment of the working height to the desired level also allows you to operate in complete comfort
- The installation of the **Up & Down** system is designed and built ad hoc for every design requirement, it is carried out on greenhouses with an adequate capacity for hanging loads, as well as resisting the actions of local environmental loads
- The installation of the **Up & Down** system can be set up also on existing greenhouses - this is possible, after having carried out a preliminary study of the structure and having prepared a reinforcement project where necessary
- The **Up & Down** system is suitable for the production of various soilless crops, such as strawberries, salads and saffron
- With the **Up & Down** it is possible to diversify the cultivation of the greenhouse, planting varieties of different crops (even in different periods)





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> Driplines

> GR Brown Dripline



DESCRIPTION

Application

- Landscape areas
- Perfect for slopes or non-relevant length areas

Specifics

- Brown colour
- Large cylindric emitters, with turbulent flow labyrinth, lasting reliability, in presence of low quality waters as well
- CV < 0,03 (technological variability coefficient) ensures an excellent water distribution
- The high-quality of the used resins, ensures the necessary resistance to highest pressures
- Emitter nominal flow-rate: 2,0 l/h (on request 1,6 and 3,8 l/h)
- Recommended filtration: 120 mesh

Features

- Coextruded dripper
- High resistance to clogging due to a wide turbulent flow labyrinth
- Water intake in the emitter assures to have always the cleanest water
- High-quality materials for a long lifetime

Materials

- Linear PE and PEBD pipe
- Polyethylene emitter

PRESS./FLOW-RATE RATIO

F. R.	mH2O				
l/h	5	10	15	20	30
2,0	1,38	2,00	2,48	2,89	3,6

TECHNICAL FEATURES

Ø _{nom}	Thick. mm	Ø _{int}	Ø _{ext}	Max P
16,0	1,10	13,70	15,90	45,0

COILS NR. PER SHIPMENT

Ø	20 ft HC container	40 ft HC container	Truck
16	163	325	435

Code	cm spac.	l/h fl.-r.	mt coils	€ meter	€ coil
TAG568	30	2,0	25	0,46	11,50
TAG564	30	2,0	50	0,44	21,90
TAG561	30	2,0	100	0,41	41,40

> Self-Compensating Brown Driplin PC2



DESCRIPTION

Application

- Landscape areas
- Perfect for slopes or relevant lenght areas

Specifics

- Self-compensating and wide passages
- Wall thickness: 1,1 mm (43mil)
- Standard flow-rate 2,2 l/h - other flow-rates on request
- Cylindric emitter, with turbulent flow labyrinth
- Large intake filter
- CV: 1,5%
- Self-compensation range: 5/45 mH2O
- Recommended filtration: 140 mesh

Features

- High resistance to clogging due to a wide turbulent flow labyrinth
- Water intake in the emitter assures to have always the cleanest water
- Output double hole for a sure erogation

Materials

- Linear PE and PEBD pipe
- Polyethylene emitter
- Silicon membrane

TECHNICAL FEATURES

Ø _{nom}	Thickness	Ø _{int}	Ø _{ext}	Max P
16,00	1,10	13,80	16,00	45,00

COILS NUMBER PER SHIPMENT

Ø	20 ft HC container	40 ft HC container	Truck
16	163	325	435

Code	Description	cm spac.	Flow-rate l/h	mt coils	€ _{meter}	€ _{coil}
TAG555	PC2 Brown	30	2,2	50	0,78	39,10
TAG551	PC2 Brown	30	2,2	100	0,75	74,80
TAG552	PC2 Brown	40	2,2	100	0,69	69,00
TAG557	PC2 Brown	30	2,2	400	0,68	271,40
TAG558	PC2 Brown	40	2,2	400	0,62	248,40

> Polyester coating for Dripline



Available on request

> Distribution Tubing/Mini Coils



DESCRIPTION

Application

- Tubing for micro-irrigation systems, both above and underground

Specifics

- Low-density polyethylene pipe
- Colour: black or brown
- UV resistant
- Maximum pressure: 4 bar
- Dimension:
 - Black: 16/13,7 - thickness: 1,15 mm
 - Brown: 16,1/13,6 - thickness 1,2 mm

Code	Ø	Color	mt	€
TPE112	16	Black	1 x 100	90,35
TPE115	16 - XF	Brown	1 x 100	110,45

> Micro-Dripline Ø ¼"



DESCRIPTION

Application

- Micro-dripline for small dimensions systems, planters and parking with grating grounds

Specifics

- Working pressure: 0,7 ÷ 2,7 bar
- Emitter flow-rate: 3 l/h at 2 bar
- Requested filtration: 200 mesh (75 micron)
- Dimension: external diameter 6 mm - thickness 1 mm, brown colour

Code	Description	cm spac.	Flow-rate l/h	mt coils	€ _{meter}	€ _{coil}
TAG541	Self-compensatin micro-dripline LDQ	15	3,0	30	1,7177	51,53
TAG542	Self-compensatin micro-dripline LDQ	30	3,0	30	1,2297	36,89

> Self-Compensating Dripline XFD Ø 16



DESCRIPTION

Application

- Irrigation of ground-covers, dense plantings, hedges and trees

Specifics

- Pressure: 0,59 ÷ 4,14 bar
- Flow-rate: 2,3 l/h - orange double stripe for flow-rate identification
- Water temperature up to 38°C - ambient up to 52°C
- Requested filtration: 120 mesh
- Dimensions: external Ø: 16,1 mm internal: 13,6 mm - thickness 1,2 mm (48mil)

Features

- Extra flexible piping
- Thank to a high resistance to throttling, tight bends are allowed
- XF fittings and 17 mm fittings
- Double layer (brown on black)
- Excellent resistance to chemical agents, UV radiations and algae formation
- XF emitter is equipped with a floating, self-cleaning membrane

MAXIMUM SIDE LENGTH (MT)

Incoming pressure bar	Emitters spacing 33 cm Flow-rate _{nom} 2,3 l/h
1,0	79
1,7	104
2,4	121
3,1	126
3,8	147

Code	Description	cm spac.	Flow-rate l/h	mt coils	€ _{meter}	€ _{coil}
TAG544	Self-compensatin dripline XFD	33	2,3	50	1,5060	75,30
TAG545	Self-compensatin dripline XFD	33	2,3	100	1,4417	144,17
TAG547	Self-compensatin dripline XFD	50	2,3	100	1,2080	120,80



> Driplines

RAIN BIRD

> Brown Self-Compensating Dripline XFS Ø 16 for Sub-Irrigation



DESCRIPTION

Application

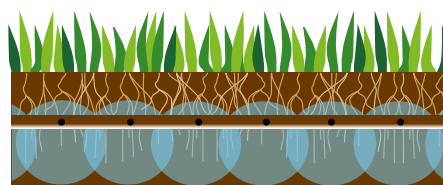
- Designed for drip irrigation of turfs or of areas with shrubs and ground-covers. Also fit for agriculture
- CopperShield root inhibitor technology
- Ideal for small and tight areas, with dense plantings and for tight bends areas or with ups and downs

Specifics

- Pressure: 0,58 ÷ 4,14 bar
- Flow-rate: 2,3 l/h
- Water temperature up to 37,8° C - ambient up to 51,7° C
- Requested filtration: 120 mesh
- Colour: brown
- Dimensions: external Ø 16,10 mm – external diameter 13,61 mm – thickness 1,24 mm - 48 mil

Features

- Fit for boths specific dripline fittings XFS and 17 mm fittings
- Double layer pipe (brown on black) ensures an excellent resistance to chemical agents, algae formation and UV damages
- The emitter membrane is self-cleaning, which allows to particles outflow in case of clogging
- The emitter inlet is raised in comparison with internal pipe to minimase dirt penetration
- 16 years guarantee against root-intrusion
- 7 years guarantee on stress cracking
- 5 years guarantee on the product



Burying depth 10 ÷ 15 cm

MAXIMUM SIDE LENGHT (MT)

Incoming pressure bar	Emitters spacing 33 cm Flow-rate _{nom} 2,3 l/h
1,0	79
1,7	104
2,4	121
3,1	126
3,8	147

Code	Description	cm spac.	Flow-rate l/h	mt coils*	€ _{meter}	€ _{coil}
TAG549	Brown self-compensating dripline XFS	33	2,3	100	2,0931	209,31

*For container available with different spacing and flow-rates and coils up to 400 mt

> Manifold for Dripline



DESCRIPTION

Specifics

- Fittings for Ø 16 dripline preassembled on Ø 25 mm pipe
- PPE BD PN4 pipe - brown, for both above and underground
- Pre-instaled adjustable fitting
- Heavy dripline fitting with anti-slip system

Code	Description	cm spac.	Ø mm	mt coils	€ _{coil}
TAG539	QF manifold	30	25	30	270,53
TAG540	QF manifold	40	25	30	259,47



> ESP-9V



DESCRIPTION

Specifics

- Connectable outputs: 1, 2, 4, 6 zones
- Power supply: 1 battery 9V (Type 6LR61)
- Working temperature: 43°C max

- Protection degree: IP68
- Latch solenoids (9-12V DCL)
- Rain sensor holder

Features

- Large LCD display
- "Soft-touch" keyboard for quick functions and parameters change
- Valve programming: 1/240 min
- 6 independent starts per zone

- Irrigation cycles: 4 options each zone, 3 weekly personalized, cyclical, even/odd days
- Water budget: 10% ÷ 200%
- Irrigation delay: 1/9 days
- Manual start

Code	Type	Zones	€
OPG462	ESP-9V	1	132,66
OPG463	ESP-9V	2	228,51
OPG464	ESP-9V	4	249,38
OPG465	ESP-9V	6	281,46

Code	Description	€
OPG460	Kit w/vale DVF	132,66
OPG461	Solenoid kit	156,08

> TAP Timer



DESCRIPTION

Specifics

- Tap coupling
- Power supply: 2 batteries (1,5V AA)
- Working pressure: 1 min ÷ max 6,2 bar

- Fittings: in - 3/4" female, out - 3/4" male
- Working temperature: 43°C max
- Maximum flow rate: 2,2 m³/h

Features

- Large LCD display
- Programming selector for main functions
- "Soft-touch" keys for quick functions and parameters change

- Programming by weekly days
- Up to 2 irrigation cycles per day
- Rain delay up to 96 hours
- Manual start

Code	Description	€
OPG289	TAP timer	73,58

> ESP-RZXe Programmers



DESCRIPTION

Specifics

- Power supply: 230 V 50 Hz
- Output voltage: 24 V 50 Hz
- Battery backup: 2 batteries (1,5V AAA)

- Protection degree: IPX4 (only outdoors model)
- Rain/soil humidity sensor port
- 24V AC solenoid command

Features

- Large LCD display
- Programming selector for main functions
- "Soft-touch" keys for quick functions and parameters change
- Valve programming: 1/99 min

- 6 starts per zone
- Irrigation cycle: weekly personalized, cyclical, even/odd days
- Water budget: -90% ÷ 100%
- Manual start
- Master valve/pump management

Code	Type	Mod.	Install.	Zones	€
OPG515	RZXe-4	F55324	indoor	4	139,09
OPG516	RZXe-6	F55326	indoor	6	156,97
OPG517	RZXe-8	F55328	indoor	8	185,34

OPG518	RZXe-4	F55354	outdoor*	4	216,51
OPG519	RZXe-6	F55356	outdoor*	6	249,34
OPG520	RZXe-8	F55358	outdoor*	8	303,55

*While stocks last

	Int.	Ext.
	mm	
Hei.	150	199
Wid.	169	201
Dep.	39	39



> Irrigation Programmings

RAIN BIRD

> RC2 programmers

NEW



DESCRIPTION

- RC2 Programmer

Model

Specifics

- Power supply: 230 V 50 Hz
- Output voltage: 24 V 50 Hz
- Backup battery: 1.5 V Lithium integrated

- Degree of protection: IP24
- Rain sensor port
- 24 V AC solenoid control

Features

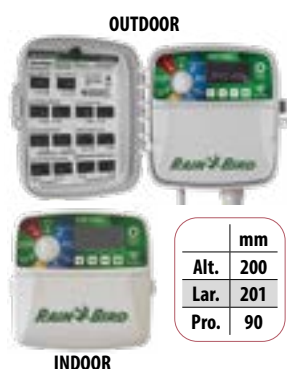
- Soft-touch keys for changing parameters
- Programming per valve 1 ÷ 6 hours
- 3 irrigation programmes
- 4 starts per programme

- Irrigation cycles: customised weekly, cyclic, even/odd
- Water budget: 5% ÷ 200
- Manual start
- Master valve/pump management

Code	Type	Model	Install.	Zones	€
OPG524	Wi-Fi RC2	F56128	outdoor	8	331,43

Code	Type	Model	Install.	Zones	€
OPG594	Wi-Fi RC2	F56154	indoor	4	153,86
OPG595	Wi-Fi RC2	F56156	Indoor	6	171,74
OPG596	Wi-Fi RC2	F56158	Indoor	8	200,11

> ESP-TM2 Programmings



DESCRIPTION

- ESP-TM2 programmer

Model

Specifics

- Power supply: 230 V 50 Hz
- Output voltage: 24 V 50 Hz
- Battery backup: 1,5V lithium, integrated

- Protection degree: IP24
- Rain sensor holder
- 24V AC solenoids command

Features

- Large LCD display, backlit
- Rotor for main functions
- "Soft-touch" keys for parameters change
- Valve programming: 1/6 hours
- 3 irrigation programs
- 4 starts per program

- Irrigation cycles: weekly personalized, cyclical, even/odd days
- Water budget: 5% ÷ 200%
- Manual start
- Master valve/pump management
- Compatible with LNK - Wi-Fi module

Code	Type	Model	Install.	Zones	€
OPG385	ESP-TM2	F54224	outdoor	4	236,37
OPG386	ESP-TM2	F54226	outdoor	6	272,18
OPG387	ESP-TM2	F54228	outdoor	8	331,43
OPG388	ESP-TM2	F54232	outdoor	12	430,82

Code	Type	Model	Install.	Zones	€
OPG605	ESP-TM2	F54234	Indoor	4	236,37
OPG606	ESP-TM2	F54236	Indoor	6	272,18
OPG607	ESP-TM2	F54238	Indoor	8	331,43
OPG608	ESP-TM2	F54242	Indoor	12	430,82

> ESP-Me3 Programmings



	mm
Hei.	195
Wid.	272
Dep.	112

DESCRIPTION

Model

- ESP-Me3 programmer

Specifics

- Power supply: 230 V 50 Hz
- Output voltage: 24 V 50 Hz
- Entrance for water meter
- Backup battery: 1,5V lithium integrated
- Protection degree: IP24
- Rain sensor/soil humidity sensor holder
- 24V AC solenoids command

Features

- Stations: base 4 - max 22
- Large LCD display, backlit
- Rotor for main functions
- Programming selector for main functions
- "Soft-touch" keys for parameters change
- Valve programming: 1/6 hours
- 4 irrigations programs
- 6 independent starts per program
- Irrigation cycles: weekly personalized, cyclical, even/odd days
- Water budget: 5% ÷ 200%
- Manual start
- Master valve/pump management

Code	Type	Mod.	Install.	Zones	€
OPG249	ESP-Me-4 stations	F55420	outdoor	4	351,98
OPG277	Expansion module 3 stations	ESPSM3	on ESP-Me3	3	63,31
OPG243	Expansion module 6 stations	ESPSM6	on ESP-Me3	6	113,86



See water meters on page 131

ACCESSORIES

Code	Description	Install.	Mod.	€
OPG521	LNK Wi-Fi module	ESP-Me ESP-RZxe ESP-TM2	F55002	196,50
OSN003	TDT soil humidity sensor	With 24 V AC programmings	A65020	350,40



Code	Description	Install.	Mod.	€
OSN013	RSD-BEX rain sensor	With 24 V AC and 9 V DC battery programmings	A61200	57,81
OSN014	Wi-Fi combo rain sensor	With 24 V AC programmings	WR2RFC	208,70



> ESP-LXME Programmings



	mm
Hei.	322
Wid.	364
Dep.	140

DESCRIPTION

Model

- ESP-LXME programmer, 24V satellite (with IQ remote control)

Specifics

- Power supply: 230 V 50 Hz
- Output voltage: 24 V 50 Hz
- Battery backup: 1,5V lithium integrated
- Protection degree: IPX4
- Rain sensor/soil humidity holder
- 24V AC solenoids command

Features

- Stations: base 8 - max 48
- Large LCD display
- Rotor for main functions
- "Soft-touch" keys for parameters change
- Valve programming: 1 minute /12 hours
- 4 irrigation programs
- 8 starts per program
- Irrigation cycles: weekly personalized, cyclical, even/odd days
- Water budget: 0% ÷ 300%
- Manual start
- Master valve/pump management
- Actuation of max 5 valves at the same time

Code	Type	Mod.	Install.	Zones	€
OPG284	Modular programmer 8 stations, base	F440825	outdoor	8	607,01
OPG337	Flow smart Modular prog. 12 st.	F45122	outdoor	12	984,29
OPG280	8 stations expansion module	F42210	ESP-LXME	8	205,68
OPG283	12 stations expansion module	F42220	ESP-LXME	12	334,27

Code	Type	Mod.	€
OPG325	4G IQ GPRS + 1 year + SIM communication module	IQ4614EGSP	3.262,06



> Irrigation Programmings



> ESP-LXME2 Programmings



	mm
Hei.	322
Wid.	364
Dep.	140

DESCRIPTION

Model

- ESP-LxMe 2 Satellite 24V controller (with IQ remote control option)

Specifics

- Power supply: 230 V 50 Hz
- Output voltage: 24 V 50 Hz
- Backup battery: 1.5 V Lithium integrated
- Degree of protection: IPX4
- Rain/moisture sensor port
- Flow detection port
- 24 V AC solenoid control

Features

- No. of zones: basic 12- max 48
- Large LCD display
- Soft-touch keys for changing parameters
- Programming per valve 1 minute ÷ 96 hours
- 40 independent irrigation programmes
- 10 starts per programme
- Irrigation cycles: customised weekly, cyclic, day
- even/odd
- Water budget: 0% ÷ 300%.
- Manual start
- Master valve/pump management
- Manual start
- Max. 5 valves operated simultaneously

Code	Type	Mod.	Install.	Zo.	€
OPG525	Prog. modular base 12 st	F22110	outside	12	951,76
OPG527	Prog. modular base 12 stPro	F22115	outside	12	1.257,60
OPG528	Expansion module 75 stations	F22170	ESP-LXME2	12	365,10

Code	Type	Mod.	€
OPG529	Module com. IQ x ESP LXME2 - PRO	IQ4622	493,57

> ESP-LXD MONOCABLE Programmings



	mm
Hei.	322
Wid.	364
Dep.	140

DESCRIPTION

Model

- ESP-L programmer, TWO-WIRE SATELLITE DECODER (with IQ remote control)

Specifics

- Power supply: 230 V 50 Hz
- Output voltage: 24V 50 Hz two-wire
- Backup battery: 1,5V lithium integrated
- Protection degree: IPX4
- Rain sensor/soil humidity sensor holder
- RB decoder command

Features

- Stations: base 50 - max 200
- Large LCD display
- Rotor for main functions
- Programming selector for main functions
- "Soft-touch" keys for parameters change
- Valve programming: 1 min/12 hours
- 4 independent irrigations programs
- 8 starts per program
- Irrigation cycles: weekly personalized, cyclical, even/odd days
- Water budget: 0% ÷ 300%
- Manual start
- Master valve/pump management
- Actuation of max 8 valves at the same time
- Compatible with PGA and PEB valves

Code	Type	Mod.	Install.	Zo.	€
OPG287	ESP-LXD-50	F43120	outdoor	50	3.300,64
OPG288	75 stations expansion module	F43150	ESP-LXD	75	641,55
OPG325	4G IQ GPRS + 1 year + SIM communication module	IQ4614EGSP			3.262,06

Code	Type	Mod.	€
OAC208	1 outputs decoder - 1 solenoid station	M61101	147,54
OAC212	1 outputs decoder - 2 solenoid station	M61000	206,09
OAC209	2 outputs decoder - 2 solenoid station	M61400	336,76
OAC210	4 outputs decoder - 1 solenoid station	M61440	376,48
OAC211	6 outputs decoder - 1 solenoid station	M61600	662,43
OAC206	Pump control decoder	M72000	1.084,95
OAC207	Sensor decoder	M62001	641,50
OAC205	Lightning protection line	M98999	94,37



See specific decoder cable
on page 108



> Control Unit for Box-valve T Bos BT



	mm
Hei.	130
Wid.	95
Dep.	53

DESCRIPTION

Application

- T Bos control module, perfect for urban and residential infrastructures where no electric power available (possibility of IQ platform remote control)

Specifics

- Power supply: battery (9 V type 6LR61)
- Integrated bluetooth
- 12V DC latch solenoid command
- To be used with T-Boss II systems, as well
- Protection degree: IP68
- Dimensions: 13 x 95 x 5,3 cm

Features

- Management by specific Rain Bird App software
- Master valve/pump management
- 3 independent programs
- 8 daily starts for each program
- Irrigation time: 1 min/12 hours
- 5 start mode of irrigation cycle
- Rain Delay
- Stored backup of 3 programs

T BOS BT COMMAND MODULES

Code	Description	Mod.	€
OPG326	T-Bos2 - BlueTooth 1 Station	F48501	168,18
OPG327	T-BOS2 - BlueTooth 2 Stations	F48502	194,06
OPG328	T-BOS2 - BlueTooth 4 Stations	F48504	211,70
OPG329	T-BOS2 - BlueTooth 6 Stations	F48506	229,34

> Electrovalves

> HV Series



DESCRIPTION

Application

- Fiberglass reinforced polypropylene electrovalve

Specifics

- Flow-rate: 0,05 ÷ 9,1m³/h
- Working pressure: 1 ÷ 10 bar
- 24V AC/9V DC solenoid
- On/off manual control
- Flow control
- Not to be used by decoder system

HV SERIES 24V AC

Code	Mod.	Flow control	Couplings	Ø	PN	Q _{max} m ³ /h	Box	€/each
OVA081	H01000	No	F/F	1"	10	9,1	20	27,02
OVA082	H05000	No	M/M	1"	10	9,1	20	27,02
OVA083	H01010	Si	F/F	1"	10	9,1	20	31,48

HV SERIES 9V DC LATCH

Code	Mod.	Flow control	Couplings	Ø	PN	Q _{max} m ³ /h	Box	€/each
OVA084	H01040	No	F/F	1"	10	9,1	20	50,06
OVA085	H05040	No	M/M	1"	10	9,1	20	50,06

> Electrovalves



> LFV Series



DESCRIPTION

Application

- PVC electrovalve

Specifics

- Flow rate: 075-DV 0,05 ÷ 4,5 m³/h
- Working pressure: 1 ÷ 10 bar
- 24V AC/ 9V DC solenoid
- On/off manual control
- Not to be used by decoder system

LFV 24 V AC SERIES

Code	Mod.	Coup.	Ø	PN	Q _{max} m ³ /h	Box	€/each
OVA058	X12100	F/F	¾"	10	1,8	20	38,60

LFV 9 V DC SERIES

Code	Mod.	Coup.	Ø	PN	Q _{max} m ³ /h	Box	€/each
OVA059	X12105	F/F	1"	10	1,8	20	60,75

> DV/DVF Series



DESCRIPTION

Application

- PVC electrovalve

Specifics

- Flow-rate: 075-DV 0,05 ÷ 4,5 m³/h
- Working pressure: 1 ÷ 10 bar
- 24V AC/9V DC solenoid
- On/off manual control
- Not to be used by decoder system

DV 24 V AC SERIES

Code	Mod.	Coup.	Ø	PN	Q _{max} m ³ /h	Box	€/each
OVA160	B72110	F/F	¾"	10	4,5	20	43,57
OVA163	B70211	F/F	1"	10	9,0	20	43,57
OVA166	B70500	M/M	1"	10	9,0	20	43,57

DVF 24 V AC SERIES

Code	Mod.	Coup.	Ø	PN	Q _{max} m ³ /h	Box	€/each
OVA164	B70311	F/F	1"	10	9,0	20	55,40

DV 9 V DC SERIES

Code	Mod.	Coup.	Ø	PN	Q _{max} m ³ /h	Box	€/each
OVA167	B70240	F/F	1"	10	9,0	20	67,98
OVA165	B70540	M/M	1"	10	9,0	20	69,92

> PGA Series



DESCRIPTION

Application

- Fiberglass reinforced polypropylene electrovalve

Specifics

- Flow-rate: 0,45 ÷ 34,5 m³/h
- Working pressure: 1 pressure regulator 10,4 bar
- 24V AC/9V DC solenoid
- On/off manual control
- In line and angle fittings
- Can be used also by decoder system

PGA SERIES 9 V DC LATCH

Code	Mod.	Couplings	Ø	PN	Q _{max} m ³ /h	Box	€/each
OVA105	B31440	F/F	1"	10	9,0	20	109,48
OVA108	B31540	F/F	1½"	10	21,0	20	154,25
OVA107	B31640	F/F	2"	10	34,0	20	192,51

PGA SERIES 24 V

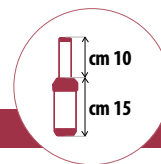
Code	Mod.	Couplings	Ø	PN	Q _{max} m ³ /h	Box	€/each
OVA104	B31410	F/F	1"	10	9,0	20	74,30
OVA106	B31510	F/F	1½"	10	21,0	20	108,75
OVA168	B31610	F/F	2"	10	34,0	20	153,00

ACCESSORIES - PRESSURE REGULATOR

Code	Mod.	Description	€
FRP056	B33135	PGA valve pressure regulator	129,81



> Uni-Spray Series (Sprinkler+Adjustable Nozzle)



Code	Nozzle	RB Model	Throw max mt	Box*	€/each
OIS222	10-VAN	P4101001	3,1	50	4,72
OIS223	12-VAN	P4101201	3,7	50	4,72
OIS224	15-VAN	P4101501	4,6	50	4,72
OIS225	18-VAN	P41018	5,5	50	4,72
OIS232	8-HEVAN	P40008	2,4	50	4,86
OIS233	10-HEVAN	P40010	3,0	50	4,86
OIS234	12-HEVAN	P40012	3,7	50	4,86
OIS235	15-HEVAN	P40015	4,6	50	4,86
OIS226	Only body	P40000		50	2,90

*Loose sprinklers on request

DESCRIPTION

Specifics

- Throw range: 2,4 ÷ 7,3 m
- Pressure: HEVAN 1,4 ÷ 3,8 bar • others 1 ÷ 2,1 bar
- BSP ½" female threaded fitting

Features

- Eased maintenance
- Throw range and flow rate adjustment screw
- Check valve - 15 mH2O max - optional
- Plastic and stainless steel body and internal part

> 1800 Series



DESCRIPTION

Specifics

- Throw range: 0,8 ÷ 7,3 m
- Pressure: 1,0 ÷ 4,8 bar
- BSP ½" female threaded fitting

Features

- High resistance to sand and pressure by built-in seal
- Eased maintenance
- Throw range and flow rate adjustment screw
- Check valve - 4,2 mH2O max - optional
- Built-in pressure regulation, calibration: 2,1 bar optional
- Plastic and stainless steel body and internal part

1800 SERIES

Code	Body cm	Box*	€/each
OIS200	10	100	4,44
OIS202	15	75	4,42
OIS204	24	50	22,96

*Loose sprinklers on request

1800 SERIES/VALV. SAM

Code	Body cm	Box*	€/each
OIS205	15	75	9,07

*Loose sprinklers on request

1800 SAM PRS SERIES

Code	Model	Box*	€/each
OIS209	1804 SAM-PRS 2.1 - A37341	75	19,23
OIS210	1804 SAM-PRS 3.1 - A37441	75	19,23
OIS211	1806 SAM-PRS 2.1 - A37361	50	26,81
OIS212	1812 SAM-PRS 2.1 - A37321	50	35,68

*Loose sprinklers on request

Code	H	H ₁
OIS200	10	5
OIS202	15	10
OIS204	30	15
OIS205	15	10

> Sprays Nozzles



> MPR Series Nozzles



DESCRIPTION

Features

- Fixed nozzle 90° - 180° - 360°
- Colour encoding for MPR model identifying

- Compatible with all Rain Bird static sprinklers, and with a wide range of spray heads and adapters as well

Specifics

- Pressure range: 1,0 ÷ 2,1 bar
- Throw range: 0,6 ÷ 6,1 mt

- Flow-rate and throw range adjustment screw
- Security filter

Description	90°		180°		360°		Box	€/each
	Code	Mod.	Code	Mod.	Code	Mod.		
5 Red 5° series	U519	5-Q	U518	5-H	U517	5-F	25	3,09
8 Green 10° series	U523	8-Q	U521	8-H	U520	8-F	25	3,09
10 Light Blue 15° series	U527	10-Q	U525	10-H	U524	10-F	25	3,09
12 Brown 30° series	U532	12-Q	U530	12-H	U528	12-F	25	3,09
15 Black 30° series	U537	15-Q	U535	15-H	U533	15-F	25	3,09

Description	Short side		Long side		Side strip 2,7 x 5,5		Box	€/each
	Code	Mod.	Code	Mod.	Code	Mod.		
Series 15 Black 30°	U539	15EST	U540	15SST	U541	9SST	25	3,09

Description	Left angle		Right angle		Box	€/each
	Code	Mod.	Code	Mod.		
Series 15 Black 30°	U542	15LCS	U543	15RCS	25	3,09

> VAN Series Nozzles



DESCRIPTION

Features

- Adjustable nozzle 0-330°/0 - 360°
- Colour encoding for VAN model identifying

- Compatible with all Rain Bird static sprinklers, and with a wide range of spray heads and adapters as well

Specifics

- Pressure range: 1,0 ÷ 2,1 bar
- Throw range: 0,9 ÷ 5,5 mt

- Security filter

Type	Code	Model	Box	€/each
4VAN	U344	0-330° 0° yellow	25	2,80
6VAN	U343	0-330° 0° orange	25	2,80
8VAN	U342	0-330° 5° green	25	2,80
10VAN	U341	0-360° 10° blue	25	2,80
12VAN	U340	0-360° 15° brown	25	2,80
15VAN	U339	0-360° 23° black	25	2,80
18VAN	U338	0-360° 26° beige	25	2,80

> HE-VAN Series Nozzles



DESCRIPTION

Features

- Adjustable nozzle 0 - 360°
- Colour encoding for HE-VAN model identifying

- Compatible with all Rain Bird static sprinklers, and with a wide range of spray heads and adapters as well

Specifics

- Pressure range: 1,0 ÷ 2,1 bar

- Throw range: 1,5 ÷ 4,6 mt

Type	Code	Model	Box	€/each
8 HE-VAN	U346	0-360° 24° green	25	2,81
10 HE-VAN	U347	0-360° 27° blue	25	2,81
12 HE-VAN	U348	0-360° 23° brown	25	2,81
15 HE-VAN	U349	0-360° 25° black	25	2,81

> R-VAN Series Nozzles



DESCRIPTION

Features

- Adjustable angle $45^\circ \div 270^\circ$
- Suit for short irrigation intervals
- The optimum precipitation rate of R-VAN series ensures a perfect balance between application and percolation
- Colour encoding for R-VAN model identifying
- Compatible with all Rain Bird static spray heads and with a wide range of other spray heads and adapters

Specifics

- Pressure range: $1,4 \div 3,8$ bar
- Recommended working pressure: 3,1 bar
- Throw range: $4 \div 7,3$ mt
- Adjustment: angle and throw-range can be adjusted while functioning

ROTATING AND ADJUSTABLE R-VAN NOZZLES

Code	Description	Arco	Throw range mt	Box	€/each
U375	R-VAN 14 light blue	$45^\circ \div 270^\circ$	$2,4 \div 4,6$	10	8,86
U374	R-VAN 18 brown	$45^\circ \div 270^\circ$	$4,0 \div 5,5$	10	8,86
U376	R-VAN 24 bordeaux	$45^\circ \div 270^\circ$	$5,2 \div 7,3$	10	8,86

FULL CIRCLE ROTATING NOZZLES

Code	Description	Arco	Throw range mt	Box	€/each
U546	R-VAN 14 - 360 light blue	360°	$2,4 \div 4,6$	10	8,86
U547	R-VAN 18 - 360 brown	360°	$4,0 \div 5,5$	10	8,86
U548	R-VAN 24 - 360 bordeaux	360°	$5,2 \div 7,3$	10	8,86

STRIP NOZZLES

Code	Description	Arco	Throw range mt	Box	€/each
U377	R-VAN LCS light grey	Left strip	$1,5 \times 4,6$	10	8,86
U379	R-VAN SST black	Side strip	$1,5 \times 9,1$	10	8,86
U378	R-VAN RCS dark gray	Right strip	$1,5 \times 4,6$	10	8,86

> Dynamic Sprinklers

> 3504 Series



3504 SERIES

Code	Box*	€/each
01D890	20	19,37

3504 SERIES/VALV. SAM

Code	Box*	€/each
01D901	20	29,13

*Loose sprinklers on request

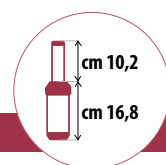
DESCRIPTION

Specifics

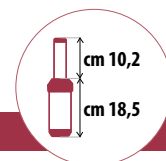
- Throw range: $4,6 \div 10,7$ m
- Throw-range by adjustment screw: up to 2,9 m
- Pressure: $1,7 \div 3,8$ bar
- Nozzles flow-rate: $0,12 \div 1,04$ m³/h
- Fitting: $\frac{1}{2}$ " female threaded
- Adjustable angle: $40^\circ \div 360^\circ$

Features

- Interchangeable mouthpiece set - 6 pieces
- High resistance to sand and pressure by built-in seal
- Internal filter eased maintenance
- Adjustment screw
- Adjustable arc by head
- Check valve (seal-a-matic- max 2.1 mH₂O optional)
- Plastic and stainless steel body and internal parts



> 5004 Series



DESCRIPTION

- Throw range: $7,6 \div 15,2$ m
- Throw-range by adjustment screw: up to 5,7 m
- Pressure: $1,7 \div 4,5$ bar

Specifics

- Nozzles flow-rate: $0,17 \div 2,19$ m³/h
- $\frac{3}{4}$ " female threaded fitting
- Adjustable angle: $40^\circ \div 360^\circ$

Features

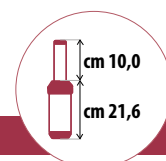
- Interchangeable mouthpiece set - 4 nozzles - angle $10^\circ + 8$ angle 25° nozzles
- Internal filter eased maintenance
- Adjustment screw
- Arc adjustment by head
- Check valve Seal-A-Matic. Optional max 2,1 mH2O
- Plastic and stainless steel body and internal parts
- 5000 Plus model allows manual stop of single spray head

Code	Description	Box*	€/each
OID902	5004 PC/3.0 reversing full and part-circle adjustment ($40^\circ - 360^\circ$); pre-installed mouthpiece of 3.0; black cover	20	21,25
OID904	5004 Plus-PC/3.0 reversing full and part-circle adjustment ($40^\circ - 360^\circ$); pre-installed mouthpiece of 3.0; green cover	20	26,17
OID905	5004 Plus-FC Y45010 with full circle (360°)	20	26,17
OID906	5004 with SAM check valve	20	33,05

*Loose sprinklers on request

Note: available also with height of 30,5 cm with pressure compensator PRX and riser in stainless steel

> 6504 Falcon Series



DESCRIPTION

Applicazioni

- FALCON 6504 sprinkler with cover closed, excellent solution for large green areas irrigation systems and sport fields: football, rugby, tennis

Specifics

- Standard model throw-range: $11,9 \div 19,8$ m
- High-speed model throw-rate: $11,3 \div 18,6$ m
- Flow-rate: $0,66 \div 4,93$ m³/h
- Pressure: $2,1 \div 6,2$ bar
- 1" BSP female threaded fitting
- SAM Check valve: keeps a pressure generated by a height difference of 3,1m
- Throw-range angle: 25°
- Rain curtain mouthpiece: 04 (black), 06 (light blue), 08 (dark green), 10 (grey), 12 (beige), 14 (light green), 16 (dark brown), 18 (dark blue)
- Exposed surface: $\varnothing 5,1$ cm

Features

- Easy adjustment of the arc sprinkler's top (variable sector model)
- Turbine is lubricated by water
- Rubber cover
- Self-adjusting stator. No need to be replaced when the mouthpiece must be changed
- Adjustment screw allows to decrease the throw range by 25%
- Seal activated by pressure and the conic sleeve allows to uplift and to ideally return to his original status
- Stainless steel sleeve in SS models and high rotating speed in HS model, allowing to complete one lap in approximatively one minute for quick wettings of tennis courts and sport areas
- Reddish brown rubber cover
- Full circle and variable sector models

Article	Description	€	Article	Description	€
OID810	Falcon sprinkler FC - B65311	92,70	OID812	Falcon sprinkler FC-SS Inox - B65811	116,12
OID811	Falcon sprinkler PC - B65301	92,70	OID813	Falcon sprinkler PC-SS Inox - B65801	116,12

No mouthpiece included - while placing the order, please specify mouthpiece

NOZZLES

Codice	Model	Description	€
U312	RAINNOZLOW	Falcon Series Nozzles 6504/8005 - Size: 04, 06, 08	REQ.
U314	RAINNOZSTD	Falcon 6504/8005 Series Nozzles - Size: 10, 12, 14, 16, 18	REQ.



> Residential Valve Box RB

Code	Model	Description	€	
OPZ200	VBA02672	Circular valve box Ø 20 x 23,6 cm H	8,22	
OPZ201	VBA02673	Circular valve box Ø 33,5 x 25,5 cm H	17,48	
OPZ202	VBA02674	Standard rectangular valve box L x P x H - 50,5 x 37 x 30,5 cm	41,09	
OPZ203	VBA02675	Jumbo valve box L x P x H - 63 x 48 x 30,5 cm	65,62	



> Light Series Valve Box

Code	Description	Measurements mm	€	
OPZ040	Synthetic light resin Mini circular valve box	Ø 213 x h 230	6,50	
OPZ041	Synthetic light resin circular valve box	Ø 300 x h 250	9,60	
OPZ042	Synthetic light resin rectangular valve box	380 x 510 x h 300	30,40	
OPZ043	Synthetic light resin Maxi rectangular valve box	500 x 640 x h 300	43,50	
OPZ044	Synthetic light resin Maxi Jumbo rectangular valve box	810 x 590 x h 415	151,60	



> Orbit Programmable



Dim. max mm	
Hei.	250
Wid.	180
Dep.	110



DESCRIPTION

Application

- Programmer for simple use residential irrigation systems
- Irrigation cycle duration can be regulated by sliders

Specifics

- Box for heavy use
- Water and UV resistant materials
- Box locking by security and temper resistant key

Code	Description	€
OPG360	4 stations WM-34 programmer	REQ.
OPG361	6 stations WM-36 programmer	REQ.
OPG362	9 stations WM-39 programmer	REQ.
OPG363	12 stations WM-312 programmer	REQ.

> NODE Programmiers



	mm
Ø	89
Dep.	64

DESCRIPTION

Application

- Battery programmer for simple use residential irrigation systems
- Basic Bluetooth version

Specifics

- 3 independent daily programs
- 4 for daily starts per program
- External sensor port
- Irrigation max time per station: 6 hours
- Main valve/pump command (only 2/4/6 outputs model)
- IP68

Maximum distance

Cable 1 mm ²	30 mt

Code	Description	€
OPG150	1 stations 9 V 100 programmer	167,90
OPG152	2 stations 9 V 200 programmer	277,05
OPG153	4 stations 9 V 400 programmer	327,42
OPG157	6 stations 9 V 600 programmer	377,78
OPG174	1 station 9 V 100 BT programmer	193,80
OPG175	2 stations 9 V 200 BT programmer	274,48
OPG176	4 stations 9 V 400 BT programmer	322,87
OPG042	1 stations 100 programmer + valve 1" 9V	230,05
OPG050	1 stations 100 BT programmer + valve 1" 9V	226,09

> Eco-Logic Programmiers



	mm
Hei.	126
Wid.	126
Dep.	32

DESCRIPTION

Application

- Indoor programmer for residential systems

Specifics

- 2 independent daily programs
- 4 departures day per program
- Max station irrig. time: 4 hours
- External sensor port

Code	Description	€
OPG030	Eco-Logic 4 sectors programmer	94,62
OPG002	Eco-Logic 6 sectors programmer	106,89

> X-Core Programmiers



Indoor mm	
Hei.	165
Wid.	146
Dep.	50

Outdoor mm	
Hei.	220
Wid.	178
Dep.	95

DESCRIPTION

Application

- Programmer for simple use residential irrigation systems

Specifics

- 3 independent daily programs
- 4 daily starts per program
- External sensor port
- Irrigation max time per station: 4 hours
- Main valve/pump command

Code	Description	€
OPG041	2 stations XC-201 Indoor programmer	121,15
OPG040	4 stations XC-401 Indoor programmer	137,25
OPG038	6 stations XC-601 Indoor programmer	153,45
OPG037	8 stations XC-801 Indoor programmer	193,80
OPG044	4 stations XC-401 Outdoor programmer	209,88
OPG045	6 stations XC-601 Outdoor programmer	242,19
OPG046	8 stations XC-801 Outdoor programmer	290,58

> X2 Programmiers



	mm
Hei.	230
Wid.	190
Dep.	100

DESCRIPTION

Application

- Outdoor programmer for residential systems

Specifics

- 3 independent daily programs
- 4 departures day per program
- Hydrowise management module
- Max station irrig. time: 6 hours
- External sensor port
- Amazon Alexa compatible

Code	Description	€
OPG364	X2 programmer - 4 sectors	218,97
OPG365	X2 programmer - 6 sectors	254,01
OPG366	X2 programmer - 8 sectors	301,53
OPG367	X2 programmer - 12 sectors	525,35
OPG368	Wi-Fi Wand module	243,32

> Pro-C Programmiers



	mm
Hei.	226
Wid.	251
Dep.	109

DESCRIPTION

Application

- Modular expandable outdoor programmer for residential irrigation systems

Specifics

- 3 independent daily programs
- 4 daily starts per program
- Expandable up to 16 outputs
- External sensor port
- Irrigation max time per station: 6 hours
- Main valve/pump command
- SolarSync function

Code	Description	€
OPG043	Pro-C 4 stations programmer	366,03
OPG117	3 stations expansion increases the number of sectors from 4 to 7, from 7 to 10 and from 10 to 13	109,43
OPG113	9 stations expansion can be used to increase the number of sectors only from 7 to 16	405,30



> HC Programmers



	mm
Hei.	152
Wid.	178
Dep.	33

DESCRIPTION

Application

- Indoor programmer for residential systems

Specifics

- 6 independent daily programs
- 6 departures day per program
- Hydrawise management module
- Max station irrigation time: 24 hours
- External sensor port

Code	Description	€
OPG582	Prog. HC Hydrawise ID - 6 sectors	618,62
OPG159	Prog. HC Hydrawise ID - 12 sectors	720,57

> HCC Programmers



Plastic	mm	Metal	mm
Hei.	305	Hei.	406
Wid.	350	Wid.	330
Dep.	127	Dep.	127

DESCRIPTION

Application

- Programmer for residential, corporate and municipal systems

Specifics

- 6 independent daily programs
- 6 departures day per program
- Hydrawise management module
- EZDS single cable system
- Max station irrig. time: 24 hours
- External sensor port
- Base outputs: 8
- Max 38 plastic boxes / 54 metal boxes

Code	Description	€
OPG369	Prog. HCC plastic - 8 sectors	1.233,09
OPG370	Prog. Metal HCC - 8 sectors	1.893,89

> Programmer Accessories

Code	Description	€
OSN202	Mini Klik rain sensor	70,90
OSN206	Wireless Solar Sync sensor, receiver, and gutter mount	450,38
OPG373	Remote control system Roam Kit 300 mt	546,35
OPG374	Roamr receiver 300 mt	288,20
OPG375	Roam xl Kit 3 km remote control system	1.751,20
OPG376	Roamr xlr receiver 3 km	904,20

> Electrovalves

PGV SERIES 24 V AC

Code	Article	Ø	PN	Q _{max} m³/h	Box	€/each	
OVA132	FF-PGV-101G-B	1"	10	9,0	20	37,02	
OVA139	MM-PGV-101MM-B	1"	10	9,0	20	39,19	
OVA134	FF-PGV-151-B	1 1/2"	10	27,0	8	127,84	
OVA135	FF-PGV-201-B	2"	10	34,0	8	156,44	

PGV SERIES 9 V DC

Code	Article	Ø	PN	Q _{max} m³/h	Box	€/each	
OVA136	FF-PGV-101G-B-DC	1"	10	9,0	24	61,11	
OVA137	FF-PGV-151-B-DC	1 1/2"	10	27,0	8	161,17	
OVA138	FF-PGV-201-B-DC	2"	10	34,0	8	191,27	

ICV SERIES 24 V AC

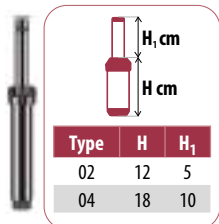
Code	Article	Ø	PN	Q _{max} m³/h	Box	€/each	
OVA150	ICV-101G-B	1"	15	9,0	12	125,00	
OVA151	ICV-151G-B	1 1/2"	15	34,0	8	163,42	
OVA152	ICV-201G-B	2"	15	45,0	8	211,60	
OVA153	ICV-301-B	3"	15	68,0	1	692,21	

PGV mm			
Ø	Hei.	Len.	Wid.
1"	130	110	60
1 1/2"	190	150	110
2"	200	170	130

ICV mm			
Ø	Hei.	Len.	Wid.
1"	140	120	100
1 1/2"	180	170	140
2"	180	170	140
3"	270	220	190



> PS Ultra



DESCRIPTION

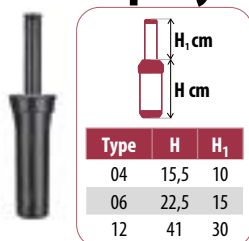
Specifics

- Pressure: 1,4 ÷ 4,8 bar
- Compatible with all 0 1/2" female heads
- 0 1/2" female threaded connection

Code	Description	B.	€
OIS254	PS Ultra 02 Without/Nozzle	50	4,55
OIS250	PS Ultra 02 10 A	50	4,91
OIS251	PS Ultra 02 12 A	50	4,91
OIS252	PS Ultra 02 15 A	50	4,91
OIS253	PS Ultra 02 17 A	50	4,91

Code	Description	B.	€
OIS255	PS Ultra 04 10 A	50	4,46
OIS256	PS Ultra 04 12 A	50	4,46
OIS257	PS Ultra 04 15 A	50	4,46
OIS258	PS Ultra 04 17 A	50	4,46
OIS261	PS Ultra 04 REG 55S	50	4,90

> Pro-Spray 04



DESCRIPTION

Specifics

- Pressure: 1,0 ÷ 7,0 bar
- Compatible with all 1/2" female heads
- Fitting: 1/2" female threaded

Features

- Innovative purge cap
- High-performing return spring
- Innovative form seal
- Option: anti-draining valve

Code	Model	Box	€/each
OIS219	Pro-Spray 04	50	4,08
OIS241	Pro-Spray 06	50	21,78
OIS214	Pro-Spray 12	50	30,76

> Pro-Spray Pro Fixed Nozzles

Models							
	5	8	10	12	15	17	
Color	blue	brown	red	green	black	grey	
mt radius	1,5	2,4	3,0	3,7	4,6	5,2	
	Code						Box € /each
Q 90°	U444	U441	U437	U433	U427	U421	10 2,89
H 180°	U443	U439	U435	U431	U425	U420	10 2,89
F 360°	U442	U438	U434	U428	U422		10 2,89

> Pro-Spray Pro Adjustable Nozzles

Models						
	8A	10A	12A	15A	17A	
Color	brown	red	green	black	grey	
mt radius	2,4	3,0	3,7	4,6	5,2	
						Box € /each
	U355	U356	U357	U358	U359	10 2,34

> MP Rotator Nozzles



DESCRIPTION

Application

- Can be used on any static sprinkler (male coupling)
- Considerable throw-ranges by very low water consumption, thus allowing to solve problems related to scarce flow-rates, rotating movement allows moreover a better water distribution

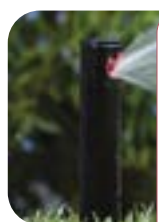
Specifics

- Multiple jets
- Multiple jets with wind-resistance throw-range
- Mountable intake filter
- Adjustable arc
- Radius reduction up to 25%

Code	Description	Model	Angle	Throw range mt	Box	€/each
U159	Adjustable MP Rotator nozzle	MP800	90 - 210	1,8 ÷ 3,5	10	16,28
U160	MP Rotator nozzle	MP800	360	1,8 ÷ 3,5	10	16,28
U156	Adjustable MP Rotator nozzle	MP815	90 - 210	2,5 ÷ 4,9	10	16,28
U157	Adjustable MP Rotator nozzle	MP815	210 - 270	2,5 ÷ 4,9	10	16,28
U158	MP Rotator nozzle	MP815	360	2,5 ÷ 4,9	10	16,28
U161	Adjustable MP Rotator nozzle	MP1000	90 - 210	2,5 ÷ 4,5	10	16,28
U162	Adjustable MP Rotator nozzle	MP1000	210 - 270	2,5 ÷ 4,5	10	16,28
U163	MP Rotator nozzle	MP1000	360	2,5 ÷ 4,5	10	16,28
U164	Adjustable MP Rotator nozzle	MP2000	90 - 210	4,0 ÷ 6,4	10	16,28
U165	Adjustable MP Rotator nozzle	MP2000	210 - 270	4,0 ÷ 6,4	10	16,28
U166	MP Rotator nozzle	MP2000	360	4,0 ÷ 6,4	10	16,28
U167	Adjustable MP Rotator nozzle	MP3000	90 - 210	6,7 ÷ 9,1	10	16,28
U168	Adjustable MP Rotator nozzle	MP3000	210 - 270	6,7 ÷ 9,1	10	16,28
U169	MP Rotator nozzle	MP3000	360	6,7 ÷ 9,1	10	16,28
U172	MP Rotator nozzle left corner strip	MP-LCS515	-	1,5 ÷ 4,6	10	16,28
U173	MP Rotator nozzle right corner strip	MP-RCS515	-	1,5 ÷ 4,6	10	16,28
U171	MP Rotator Side Strip Nozzle	MP-SS530	-	1,5 ÷ 9,1	10	16,28
U170	MP Rotator Corner Nozzle	MP-CORNER	45 - 105	2,5 ÷ 4,5	10	16,28

> Medium Throw-Range Rotors

> PGJ



Type	H	H ₁
04	18	10
06	23	15
12	41	30

DESCRIPTION

Specifics

- Throw range: 4,3 ÷ 11,6 m
- Pressure: 1,7 ÷ 3,8 bar
- Nozzles flow-rate: 0,13 ÷ 1,23 m³/h
- Fitting: 1/2" female threaded
- Adjustable angle: 40° ÷ 360°
- Lifting height: 10,0 cm

Features

- Interchangeable mouthpiece set - 8 pcs
- Nozzles angle: 14°
- Adjustment screw
- Arc adjustment by head

Code	Model	Box	€/each
OID630	PGJ 04	25	25,63
OID628	PGJ 06	25	52,91
OID639	PGJ 12	25	75,49

> SRM



Type	H	H ₁
04	18	10
06	23	15
12	41	30

DESCRIPTION

Specifics

- Throw range: 4,0 ÷ 9,4 m
- Pressure: 1,7 ÷ 3,8 bar
- Nozzles flow-rate: 0,08 ÷ 0,82 m³/h
- Fitting: 1/2" female threaded
- Adjustable angle: 40° ÷ 360°

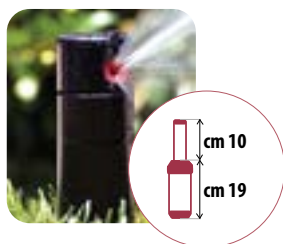
Features

- Interchangeable mouthpiece set - 6 pcs
- Nozzles angle: 15°
- Adjustment screw
- Arc adjustment by head

Code	Box	€/each
OID632	25	19,57



> PGP-ADJ



DESCRIPTION

Specifics

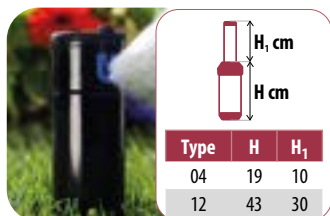
- Throw range: $6,4 \div 15,8$ m
- Pressure: $1,7 \div 4,5$ bar
- Nozzles flow-rate: $0,10 \div 3,22$ m³/h
- $\frac{3}{4}$ " female threaded fitting
- Adjustable angle: $40^\circ \div 360^\circ$

Features

- Interchangeable mouthpiece set - 16 pcs
- Rubber cap
- Nozzles angle: 25° (red) - 13° (grey)
- Adjustment screw
- Arc adjustment by head

Code	Box	€/each
OID631	25	23,39

> PGP-ULTRA



DESCRIPTION

Specifics

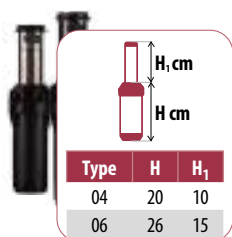
- Throw range: $4,9 \div 14,0$ m
- Pressure: $1,7 \div 4,5$ bar
- Nozzles flow-rate: $0,07 \div 3,23$ m³/h
- $\frac{3}{4}$ " female threaded fitting
- Adjustable angle: $40^\circ \div 360^\circ$

Features

- Interchangeable mouthpiece set - 2 pcs
- Rubber cap
- Nozzles angle: 25° (red) - 13° (grey)
- Adjustment screw
- Arc adjustment by head

Code	Model	Box	€/each
OID633	PGP 04 Ultra	20	27,92
OID647	PGP 12 Ultra	20	87,37

> I25



DESCRIPTION

Specifics

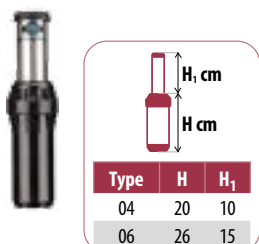
- Throw range: $11,96 \div 21,6$ m
- Pressure: $2,5 \div 7,0$ bar
- Nozzles flow-rate: $0,82 \div 7,24$ m³/h
- 1" female threaded fitting
- Adjustable angle: $50^\circ \div 360^\circ$

Features

- Interchangeable mouthpiece set - 5 pcs
- Nozzles angle: 25°
- Adjustment screw
- **OID634 plastic body**
- **OID635 stainless steel body**
- Arc adjustment by head

Code	Model	Box	€/each
OID634	I25 - 04 B	25	106,11
OID635	I25 - 04 SST	25	139,98
OID638	I25 - 06 SST	25	171,05

> I40



DESCRIPTION

Specifics

- Throw range: $13,1 \div 23,2$ m
- Pressure: $2,5 \div 7,0$ bar
- Nozzles flow-rate: $1,63 \div 6,84$ m³/h
- 1" female threaded fitting
- Adjustable angle: $50^\circ \div 360^\circ$

Features

- Interchangeable mouthpiece set - 6 pcs
- Nozzles angle: 25°
- Adjustment screw
- Stainless steel piston body
- Arc adjustment by head

Code	Model	Box	€/each
OID640	I40 - 04 SSB	25	202,68
OID642	I40 - 06 SSB	25	242,83



> Sprays

Code	Description	Pop-up height cm	Tvan nozzle	Throw mt	Coupling F	Box	€/each	
OIS149	LPS fixed sprinklers	5,0	8	2,4	½"	100	5,50	
OIS150	LPS fixed sprinklers	5,0	10	3,0	½"	100	5,50	
OIS152	LPS fixed sprinklers	5,0	12	3,6	½"	100	5,50	
OIS155	LPS fixed sprinklers	5,0	15	4,5	½"	100	5,50	
OIS157	LPS fixed sprinklers	5,0	17	5,2	½"	100	5,50	
OIS179	LPS fixed sprinklers	10,0	8	2,4	½"	50	5,50	
OIS180	LPS fixed sprinklers	10,0	10	3,0	½"	50	5,50	
OIS182	LPS fixed sprinklers	10,0	12	3,6	½"	50	5,50	
OIS185	LPS fixed sprinklers	10,0	15	4,5	½"	50	5,50	
OIS187	LPS fixed sprinklers	10,0	17	5,2	½"	50	5,50	

Code	Description	Pop-up height cm	570 model	Coupling F	Box	€/each	
OIS011	570 fixed sprinklers only body	5,0	2P	½"	100	7,50	
OIS001	570 fixed sprinklers only body	7,5	3P	½"	100	7,40	
OIS002	570 fixed sprinklers only body	10,0	4P	½"	50	7,20	
OIS013	570 fixed sprinklers only body With check valve		4P COM	½"	1	14,80	
OIS003	570 fixed sprinklers only body	15,0	6P	½"	1	22,10	
OIS021	570 fixed sprinklers only body Base and side coupling		6 PSI	½"	1	28,50	
OIS004	570 fixed sprinklers only body	30,0	12P	½"	1	34,20	
OIS010	570 fixed sprinklers only body Base and side coupling		12 PSI	½"	1	37,90	
OIS040	570 fixed sprinklers only body	10,0	4P XF	½"	1	12,60	
OIS041	570 fixed sprinklers only body	15,0	6P- XF	½"	1	30,50	
OIS042	570 fixed sprinklers only body	30,0	12P XF	½"	1	43,20	

> Sprays Nozzles



Code	Model	B.	€/ea.	Code	Model	B.	€/ea.	Code	Model	B.	€/ea.	
U106	570 5-Q-pc 90° - 89-1488	25	4,25	U082	570 10-TQ-pc 270° - 89-1440	25	4,25	U124	570 TVAN nozzle - 8 A.R.30 - 360° 2,4 m	25	4,25	
U107	570 5-T-pc 120° - 89-1485	25	4,25	U015	570 10-F-pc 360° - 89-1437	25	4,25	U120	570 TVAN nozzle - 10 A.R.30 - 360° 3,0 m	25	4,25	
U108	570 5-H-pc 180° - 89-1482	25	4,25	U023	570 10-SSH-pc 180° - 89-1521	25	4,25	U121	570 TVAN nozzle - 12 A.R.30 - 360° 3,7 m	25	4,25	
U109	570 5-TT-pc 240° - 89-1479	25	4,25	U007	570 12-Q-pc 90° - 89-1434	25	4,25	U122	570 TVAN nozzle - 15 A.R.30 - 360° 4,6 m	25	4,25	
U110	570 5-TQ-pc 270° - 89-1476	25	4,25	U008	570 12-T-pc 120° - 89-1431	25	4,25	U123	570 TVAN nozzle - 17 A.R.30 - 360° 5,2 m	25	4,25	
U111	570 5-F-pc 360° - 89-1473	25	4,25	U009	570 12-H-pc 180° - 89-1428	25	4,25					
U100	570 8-Q-pc 90° - 89-1470	25	4,25	U010	570 12-TT-pc 240° - 89-1425	25	4,25	U183	Precision Rotating M 360° - PRN-TF	20	21,40	
U101	570 8-T-pc 120° - 89-1467	25	4,25	U011	570 12-TQ-pc 270° - 89-1422	25	4,25	U182	Precision Rotating M 45°-270° - PRN-TA	20	21,40	
U102	570 8-H-pc 180° - 89-1464	25	4,25	U012	570 12-F-pc 360° - 89-1419	25	4,25	U187	Precision Rotating F 360° - PRN-F	20	21,40	
U103	570 8-TT-pc 240° - 89-1461	25	4,25	U001	570 15-Q-pc 90° - 89-1416	25	4,25	U186	Precision Rotating F 45°-270° - PRN-A	20	21,40	
U104	570 8-TQ-pc 270° - 89-1458	25	4,25	U002	570 15-T-pc 120° - 89-1413	25	4,25					
U105	570 8-F-pc 360° - 89-1455	25	4,25	U003	570 15-H-pc 180° - 89-1410	25	4,25					
U013	570 10-Q-pc 90° - 89-1452	25	4,25	U004	570 15-TT-pc 240° - 89-1407	25	4,25					
U080	570 10-T-pc 120° - 89-1449	25	4,25	U005	570 15-TQ-pc 270° - 89-1404	25	4,25					
U014	570 10-H-pc 180° - 89-1446	25	4,25	U006	570 15-F-pc 360° - 89-1401	25	4,25					
U081	570 10-TT-pc 240° - 89-1443	25	4,25									



> Medium Throw-Range Rotors

Code	Description	Pop-up height cm	Cou. F	B.	€/each	
OID193	MINI8 sprinkler series with 5 nozzles set	9,5	½"	25	24,30	
OID001	300 sprinkler series no nozzle and shutter system	7,0	¾"	25	51,90	
OID002	300 sprinkler series no nozzle and shutter system	30,0	¾"	1	117,50	
U041	01-02-03-63 OMNI nozzle*			1	12,40	
P001	90°-180°-270°-360° shutter system*			1	5,00	

*When ordering, please specify model, angle type, range and thread - can also be used for super 700 series

Code	Description	Pop-up height cm	Cou. F	B.	€/each	
OID607	T5P-RS sprinkler series	12,3	¾"	20	30,00	
OID611	T7 sprinkler series with 7 nozzles set**	14,6	1"	1	138,00	

**Orderable version with stainless steel turret and locking screw as vandal-proof device

> Electrovalves

Code	Description	Command	Coup.	Regulator	Q _{max} m³/h	Box	€/each	
OVA001	264 Valves	24 V 50 Hz	¾" M/M	No	4,5	1	66,10	
OVA042	EZ-FLO Plus Valves	24 V 50 Hz	1" M/M	No	6,8	10	41,90	
OVA043	EZ-FLO Plus Valves	24 V 50 Hz	1" M/M	Yes	6,8	10	55,10	
OVA044	EZ-FLO Plus Valves	24 V 50 Hz	1" F/F	No	6,8	20	41,90	
OVA045	EZ-FLO Plus Valves	24 V 50 Hz	1" F/F	Yes	6,8	20	55,10	
OVA048	EZ-FLO Plus Valves	Preinstalled latch solenoid DC	1" M/M	Yes	6,8	10	78,90	
OVA046	EZ-FLO Plus Valves	Preinstalled latch solenoid DC	1" F/F	Yes	6,8	20	79,90	
OVA091	TPV Valves	24 V 50 Hz	1" M/M	Yes	11,3	20	76,50	
OVA093	TPV Valves	24 V 50 Hz	1" F/F	Yes	11,3	20	76,50	
OVA095	TPV Valves	Preinstalled latch solenoid DC	1" M/M	Yes	11,3	20	99,90	
OVA097	TPV Valves	Preinstalled latch solenoid DC	1" F/F	Yes	11,3	20	114,40	
OVA070	P220 Valves	24 V 50 Hz	1" F/F	Yes	12,0	24	195,80	
OVA073	P220 Valves	24 V 50 Hz	1½" F/F	Yes	24,0	12	313,30	
OVA075	P220 Valves	24 V 50 Hz	2" F/F	Yes	36,0	4	469,90	
OVA078	P220 Valves	24 V 50 Hz	3" F/F	Yes	66,0	4	966,00	
OVA272	P220 Valves	Preinstalled latch solenoid DC	1" F/F	Yes	12,0	24	231,00	
OVA273	P220 Valves	Preinstalled latch solenoid DC	1½" F/F	Yes	24,0	12	351,00	
OVA274	P220 Valves	Preinstalled latch solenoid DC	2" F/F	Yes	36,0	4	513,00	
OVA275	P220 Valves	Preinstalled latch solenoid DC	3" F/F	Yes	66,0	4	1.026,00	



> Programmers

Code	Description	Stat.	€	
OPG015	EVO base indoor programmer, 4 sector expandable up to 16 stations	4	366,00	
OPG016	EVO base outdoor programmer, 4 sectors expandable up to 16 stations	4	395,00	
OPG018	EVO 4 sectors expansion module	4	89,00	
OPG017	EVO 12 sectors expansion module	12	350,00	
OPG555	TEMP-4 220V CA external transformer	4	172,00	
OPG556	TEMP-6 220V CA external transformer	6	192,00	
OPG557	TEMP-8 220V CA external transformer	8	242,00	
OPG558	TEMP-WF Wi-Fi module		168,00	
OPG590	TEMP-1-DC	1	154,00	
OPG591	TEMP-2-DC	2	202,00	
OPG592	TEMP-4-DC	4	235,00	
OPG593	TEMP-6-DC	6	265,00	
OPG560	TEMP-1-DC-L	1	186,00	
OPG561	TEMP-2-DC-L	2	290,00	
OPG562	TEMP-4-DC-L	4	320,00	
OPG563	TEMP-6-DC-L	6	358,00	

Code	Description	Stat.	€	
OPG082	TMC 424 DD programmer with 4 sectors TSM-4 module, expandable up to 24 stations for outdoors	4	666,00	
OPG073	Standard module	4	131,00	
OPG092	Over voltage high-resistance module	4	164,30	
OPG187	Over voltage high-resistance and flow sensor module	4	283,00	
OPG074	Standard module	8	264,00	
OPG093	Over voltage high-resistance module	8	329,00	
OPG188	Over voltage high-resistance and flow sensor module	8	418,00	
ORV251	Latch solenoid for 9V DC valves		34,74	

> Control and Pres. Measurement > Rain Sensors

Code	Description	Bar	€	
FRP550	Modular pressure reducer for outcoming pressure regulation (in valves P220 series)	0,3 ÷ 7	119,50	
Code	Description		€	
OAC070	Pressure detecting kit		264,00	

Code	Description	€	
OSN009	Rain sensor with preinstalled cable L= 8 m	83,40	
OSN012	Rain/ice sensor kit (transmitter/receiver)	REQ.	
OSN011	Humidity sensor wireless kit and precision soil sensor control system	411,00	

> Toro Flag

Code	Description	Color	Dimensions cm	Height cm	Box	€/each	
OBA001	Sprinkler positioning flags	Red	10 x 12 cm	50	100	0,88	
OBA006	Sprinkler positioning flags	White	10 x 12 cm	50	100	0,88	
OBA007	Sprinkler positioning flags	Yellow	10 x 12 cm	50	100	0,88	



> 9000 Series Battery Programmiers



DESCRIPTION

- Control unit power supply: 9 V battery
- Protection degree: IP65
- ON/OFF built-in valve
- Threading: in/out 3/4" f/m

Specifics

- Maximum working pressure: 8 bar
- Maximum flow rate: 1200 l/h
- Versions: digital, bluetooth

Features

Digital version

- LCD display for parameters visualizing
- "Soft-touch" keyboard
- Programming by irrigation days and watering duration

Bluetooth version

- "Soft-touch" keyboard
- LCD display for parameters visualizing
- Programming by irrigation days and watering duration
- Parameters setting by APP

Code	Model	Programming	Ø valves	€
OPG248	9001D	digital	3/4"	129,60
OPG239	9001BT	smartphone bluetooth	3/4"	158,00

> 11000 Series Battery Programmiers



DESCRIPTION

- Control unit power supply: 9 V battery
- Protection degree: IP65
- ON/OFF built-in valve
- Threading: in/out 3/4" f/m

Specifics

- Maximum working pressure: 8 bar
- Maximum flow rate: 1200 l/h
- Versions: digital, bluetooth

Features

On all models

- LCD display for parameters visualizing
- "Soft-touch" keyboard

Digital version

- Programming by irrigation days and watering duration, 4 daily starts

Bluetooth version

- Programming by irrigation days and watering duration, 4 daily starts
- Parameters setting by APP

Simplified version

- Settable: interval and watering duration - delayed start

Code	Model	Programming	Ø valves	€
OPG214	11000L	digital	3/4"	129,30
OPG237	11000BT	smartphone bluetooth	3/4"	157,60

> 7100 Series Programmiers (Battery Kit)



DESCRIPTION

- Control unit power supply: 9 V battery
- Protection degree: IP68
- ON/OFF built-in valve
- Threading: in/out 3/4" F/M - 1" F/M

Specifics

- Maximum working pressure: 8 bar
- Maximum flow rate: 1200 l/h
- Versions: digital, bluetooth

Features

On all models

- LCD display for parameters displaying
- "Soft-touch" keyboard

- Can be set by: starting time, irrigation days and watering duration - 8 daily starts

Bluetooth version

- Parameters programming by APP

Code	Model	Programming	Ø valves	€
OPG217	7101D	digital	1"	181,40
OPG232	7101BT	smartphone bluetooth	1"	225,30

> YL-21055 Programmer



Code	Model	Ø valves	€
OPG500	YL21055	¾"	50,80

DESCRIPTION

Application

- Single output tap controller

Specifics

- Control unit power supply: 3V battery (2x1,5AA)
- Protection degree: IP65
- Built-in on/off valve
- Threading: ¾" M/M in/out
- Maximum working pressure: 6 bar
- Maximum flow-rate: 1.000 l/h

Features

- Visualizing LCD display
- Selection key function
- Command keys
- Irrigation runtime: from 5 sec to 360 minutes
- Frequency: from 10 sec to 7 days
- Adjustable rain sensor
- Ready for rain sensor or humidity sensor

> YL-21068 Programmer



Code	Model	Ø valves	€
OPG501	YL21068	¾"	65,60

DESCRIPTION

Application

- Double output tap controller

Specifics

- Control unit power supply: 3V battery (2 x 1,5 AA)
- Protection degree: IP65
- Built-in on/off valve
- Threading: ¾" M/M in/out
- Maximum working pressure: 6 bar
- Maximum flow-rate: 1.000 l/h

Features

- Visualizing LCD display
- Selection key function
- Command keys
- Irrigation runtime: from 5 sec to 360 minutes
- Frequency: from 10 sec to 7 days
- Adjustable rain sensor
- Ready for rain sensor or humidity sensor

> Sensors

Code	Model	Description	€	
OPG504	YL21103	Rain sensor - 5 mt cable	20,80	
OPG505	YL21106	Moisture sensor - 5 mt cable	51,07	



> Infinite Remote Control



DESCRIPTION

Application

- In residential areas, apartment-buildings, parks or wherever remote control of the irrigation system is required

Specifics

- BLE (Bluetooth Low Energy) architecture for local management without Wi-Fi connection and remote interface
- HUB architecture for the creation of a network of remotely manageable devices with creation of chains to manage different modules as if they were a single control unit
- Communication of the single unit via BT in local mode or via radio in network mode
- Concentrator hub with communication via Wi-Fi, Ethernet
- App for management in Bluetooth mode
- Webserver for management via PC, Tablet, smartphone
- Control of both DC and AC utilities
- Maximum covered distance 600 meters (repeaters 6 x 600 meters)

Features

- Plug & Play installation of devices
- Wide range of control and detection units
- Unlimited number of units that can be connected to a single Hub
- Modules with unique burglar alarm serial number
- App available for Android and Apple
- Two-way communications
- Switching from BLE to HUB architecture possible at any time

> HUB Network



DESCRIPTION

Application

- HUB for Network mode

Specifics

- Power supply: 220V AC / 5V DC
- Degree of protection: IP2X
- RF coverage: 600m open field
- RF band: 868 MHz
- Ethernet: 10/100 Ethernet (RJ45) - only OPG530
- Wi-Fi: 2,4 GHz/802,11 bgn
- Bluetooth: 4,1

Features

- Secure communication connection
- Internal clock regulated by the internet connection
- RF functionality guaranteed even in the absence of internet
- The sensors are automatically reloaded on the Samcla platform when the connection is restored

Code	HUB Model	€
OPG530	HUB no limited	1.250,87
OPG531	HUB lite 26 device	630,63
OPG532	Router 10 years	2.300,76

> SBP unit Battery



DESCRIPTION

Application

- Stand-alone battery-powered SBP unit with Infinite BLE architecture or remote with HUB architecture

Specifics

- Control unit power supply: 3 V battery (2 x 1,5 AA)
- Degree of protection: IP68
- Local interrupt sensor (Infinite BLE only): dry contact
- RF coverage: 600m open field
- RF band: 868 MHz
- Bluetooth: 4,1
- Output command: 12 V DCL Bistable

Features

- User Programs: 8 (Infinite HUB only)
- Resident programs: 4
- Departure times per program: 6
- Maximum irrigation cycle duration: 23Hh 30 min
- Maximum number of stations activated simultaneously: 4
- Local cut-off sensors: max 5 per station (Infinite HUB only)
- Water budget: 0% ÷ 200%
- On / off / pause mode

Code	Outputs	€
OPG535	1 st 9 V DCL	478,17
OPG536	2 st 9 V DCL	533,61
OPG537	4 st 9 V DCL	578,66
OPG538	6 st 9 V DCL	606,38

> SBP Unit 220 V AC



Code	Outputs	€
OPG540	4 st 24 V AC	575,19
OPG541	8 st 24 V AC	644,49
OPG542	12 st 24 V AC	696,47

DESCRIPTION

Application

- SBP 220 V AC stand alone unit with Infinite BLE architecture or remote with HUB architecture

Specifics

- Control unit power supply: battery 220/24 V AC (1A)
- Degree of protection: IP2X
- Local break sensor (Infinite BLE only): dry contact
- RF coverage: 600 m open field
- RF band: 868 MHz
- Bluetooth: 4,1
- Command output: 24 V AC

Features

- User Programs 8 (Infinite HUB only)
- Resident programs: 4
- Departure times per program: 6
- Maximum irrigation cycle duration: 23 h 30 min
- Maximum number of stations activated simultaneously: 4
- Local cut-off sensors: max 5 per station (Infinite HUB only)
- Water budget: 0% ÷ 200%
- On / off / pause mode
- Rechargeable backup battery
- Master valve

> SBP units 220 V AC / 9 V DC + Counter



Code	Outputs	€
OPG511	2 st 9 V DC	610,50
OPG512	4 st 9 V DC	660,00
OPG546	4 st 24 V AC	635,00
OPG548	10 st 24 V AC	732,00

DESCRIPTION

Application

- SBP units 220 V AC - 9 V DC stand alone with Infinite BLE architecture or remote with HUB architecture

Specifics

- Unit power supply
- 220/24 V AC (1A)
- 9 V DC battery
- Degree of protection: IP2X
- Local interruption sensor (Infinite BLE only): dry contact
- RF coverage: 600 mt open field
- RF band: 868 MHz
- Bluetooth: 4.1
- Control output: 24 V AC - 9 V DCL
- Reed contact counter input

Features

- User programmes 8 (Infinite HUB only)
- Resident programmes: 4
- Start times per programme: 6
- Maximum watering cycle duration: 23 h 30 min
- Maximum number of stations activated simultaneously: 4
- Local interruption sensors: max 5 per station (Infinite HUB only)
- Water budget: 0% ÷ 200%.
- On/off/pause mode
- Rechargeable backup battery
- Master valve

> REP Unit



Code	Description	€
OPG533	Repeater	467,78

DESCRIPTION

Application

- REP unit - solar repeater applicable in the HUB architecture

Specifics

- Control unit power supply: integrated solar panel
- Degree of protection: IP66
- RF coverage: 600 m open field
- RF band: 868 MHz

Features

- Up to 6 REP units can be placed in sequence between HUB and SBP units
- Unlimited SBP units per repeater REP
- Integrated antenna
- Two-way communication
- Ultra low sleep mode power consumption - this allows devices to be stored for a long time

> SBD Unit Level Ultrasound



DESCRIPTION

Application

- SBD unit - ultrasonic level sensor

Specifics

- Unit power supply: 3V (2 x 1.5 AA)
- Degree of protection: IP66
- Sensor: ultrasonic
- RF coverage: 600 m open field
- RF band: 868 MHz
- Max depth: 2,5 mt
- Resolution: 4 cm
- Non-reading area: 40 cm

Features

- Applicable for Infinite HUB only
- Integrated antenna
- Two-way communication
- Ultra low sleep mode power consumption - this allows devices to be stored for a long time

Code	Description	€
OPG544	Ultrasound sensor	478,17



> SBS Unit Sensor



DESCRIPTION

Application

- SBS unit - digital sensor input unit applicable in HUB architecture

Specifics

- Control unit power supply: integrated solar panel
- Degree of protection: IP66
- RF coverage: 600 m open field
- RF band: 868 MHz

Features

- 1 digital sensor
- Programmable recovery time
- Integrated antenna
- Two-way communication
- Ultra low sleep mode power consumption - this allows devices to be stored for a long time

Code	Description	€
OPG543	Sensor unit	474,71

> SBH unit Humidity sensor



DESCRIPTION

Application

- SBH unit - humidity with sensor reading unit applicable in hub architecture

Specifics

- Unit power supply: integrated solar panel
- Degree of protection: IP66
- RF coverage: 600 mt open field
- RF bandwidth: 868 MHz

Features

- 1 pre-installed tensiometric sensor
- Programmable recovery time
- Integrated antenna
- Two-way communication
- Ultra-low power consumption in sleep mode - allowing devices to be stored for a long time

Code	Description	€
OPG545	Humidity sensor	630,00

> SBP units Counter



DESCRIPTION

Application

- SBH unit - water meter reading unit applicable in hub architecture

Specifics

- Unit power supply: integrated solar panel
- Degree of protection: IP66
- RF coverage: 600 mt open field
- RF bandwidth: 868 MHz

Features

- 1 counter input Reed contact
- Programmable recovery time
- Integrated antenna
- Two-way communication
- Ultra-low power consumption in sleep mode - allowing devices to be stored for a long time

Code	Description	€
OPG539	Water meter reading and master valve	547,47

> SmartPro Remote Control



Code	Description
OPG435	Wi-Fi/Rf Hub Concentrator
OPG437	Radio Repeater b
OPG438	SamclaBox 1 station
OPG439	SamclaBox 2 stations
OPG440	SamclaBox 4 stations
OPG441	SamclaBox 4 + 1 stazioni AC

Code	Description
OPG442	SamclaBox RELE
OPG443	SamclaBox Volume
OPG436	Weather Station
OPG434	Annual connection fee x Hub - CON020
OPG444	Sprinter - SamclaPro field management console

Nota

- Spare parts and upgrades available for existing systems only
- Prices on request
- Not compatible with Samcla infinite system



> BL-NR - 9 V Bluetooth



	mm
Hei.	145
Wid.	115
Dep.	60

Code	Description	Model	Box	€/each
OPG604	Timer BL-NR ¾"	BL-NR1	20	94,30

DESCRIPTION

Application

- Bluetooth irrigation programmer
- Terraces, small yard, garden or fogging systems
- Management by smartphone or tablet (iOS/Android)

Specifics

- Bluetooth communication by MySolem App
- Protection degree: IP64
- 9V DC latch one output model
- Power supply: 9V DC battery (Type 6LR61)
- Coupling: in - female/out - BSP ¾" male
- Working pressure 1 ÷ 6 bar
- Flow-rate: 32 l/h ÷ 38 l/m
- Maximum temperature: 50 °C

Features

- 1 program with 8 daily starts
- Station runtime: 1 minute ÷ 12 hours
- Calendar: weekly personalized, odd/even days, odd 31, periodical: 31gg
- Fogging: 5 sec ÷ 24 hours
- Starts interval: 30 sec ÷ 31 days
- Fogging runtime: 4 max per day
- Manual control

> BT Programmer with Display

> BT-WB - 9 V Bluetooth



	mm
Hei.	155
Wid.	110
Dep.	65

Code	Description	St.	€/each
OPG725	Programmer IP68 Woo-Bee 9V - WB1	1	144,90
OPG726	Programmer IP68 Woo-Bee 9V - WB2	2	225,40
OPG727	Programmer IP68 Woo-Bee 9V - WB4	4	244,95
OPG728	Programmer IP68 Woo-Bee 9V - WB6	6	276,00

DESCRIPTION

Application

- Bluetooth irrigation programmer
- Terraces, small yard, garden or fogging systems
- Management by smartphone or tablet (iOS/Android)

Specifics

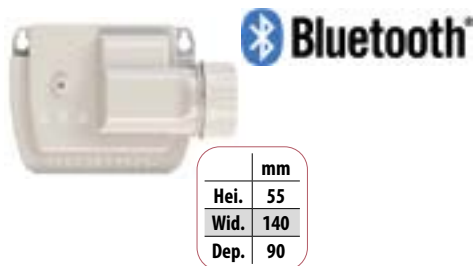
- Bluetooth communication by MySolem App
- Protection degree: IP68
- Model: 1, 2, 4, 8 outputs, 9V DC latch
- Power supply: 9V DC battery (Type 6LR61)
- Prepared for connection to volumetric meter or rain sensor

Features

- 12 programs with 8 daily starts
- Station runtime: 1 minute ÷ 12 hours
- Calendar: weekly personalized, odd/even days, odd 31, periodical: 31 gg
- Manual control
- Solenoid max distance: 30 mt

> Bluetooth Programmiers

> BL-IP - 9 V Bluetooth



	mm
Hei.	55
Wid.	140
Dep.	90

Code	Description	Mod.	Box	€/each
OPG055	BL-IP 1 sector 9V	BL-IP1	6	125,40
OPG056	BL-IP 2 sectors 9V	BL-IP2	6	166,80
OPG057	BL-IP 4 sectors 9V	BL-IP4	6	193,20
OPG058	BL-IP 6 sectors 9V	BL-IP6	6	220,80

DESCRIPTION

Application

- Bluetooth irrigation programmer
- Private and public gardens, sport fields
- Management by smartphone or tablet (iOS/Android)

Specifics

- Bluetooth communication by MySolem App
- Protection degree: IP68
- Model: 1, 2, 4 and 6 outputs, 9V DC latch
- 9V DC latch master valve or pump relay output
- Rain sensor connection
- Power supply: 9V DC battery (Type 6AM6 or Type 6LR61)

Features

- 3 programs with 8 daily starts per program
- Station runtime: from 1 minute to 12 hours
- Calendar: weekly personalized, odd/even days, odd 3, periodical
- Water budget: 0 ÷ 200%
- Irrigation break from 1 to 15 days with automatic re-start
- Manual command
- Solenoid max distance: 30 mt

> BL-AG - 9 V Bluetooth



	mm
Hei.	55
Wid.	140
Dep.	90

Code	Description	Model	Box	€/each
OPG147	BL-AG1 1 sector 9 V	BL-AG1	6	207,00
OPG148	BL-AG1 2 sectors 9 V	BL-AG2	6	238,90
OPG149	BL-AG1 4 sectors 9 V	BL-AG4	6	270,40

DESCRIPTION

Application

- Bluetooth irrigation programmer
- Private and public gardens, sport fields
- Management by smartphone or tablet (iOS/Android)

Specifics

- Bluetooth communication by MySolem App
- Protection degree: IP68
- Model: 1, 2, 4 and 6 outputs, 9V DC latch
- 9V DC latch master valve or pump relay output
- Rain sensor connection
- Power supply: 9V DC battery (Type 6AM6 or Type 6LR61)

Features

- Independent programming for each station
- 4 timeframe windows for cyclic programming
- Station runtime: from 1 sec. to 59 minutes
- Pause time: from 30 sec. to 59 minutes
- Calendar: weekly personalized, odd/even days, odd 3, periodical
- Water budget: 0 ÷ 200%
- Irrigation break from 1 to 15 days with automatic re-start
- Manual command
- Solenoid max distance: 30 mt

> LR-MB LoRa 230 V



Code	Description	Model	Box	€/each
OPG731	LoRa router + Wi-Fi - 230 V 10 modules	LR-MB-10	1	270,25
OPG730	LoRa router + Wi-Fi - 230 V 30 modules	LR-MB-30	1	361,10
OPG717	5 m antenna extension	LR-EXT-SMT	1	278,30
OPG718	10 m antenna extension	LR-EXT-10MT	1	228,90

DESCRIPTION

Application

- LoRa management interface for programmers and modules
- Management network creation from 10 up to 25 units with programmers and modules

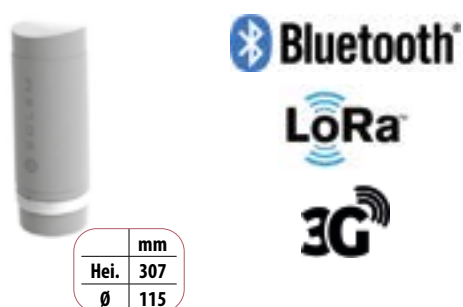
Specifics

- Bluetooth local communication or remote by LoRa radio communication
- Local Wi-Fi router connection
- Managing by MySolem app
- Installation in covered space
- 230V power supply by external transformer
- Antenna extension cables
- Compatible with Wi-Fi 802.11 b/g/n, WPA2-PSK, WPA, WEP

Features

- Connection distance: 250 mt if programmers and modules are housed 800 mt if placed in open field
- Connection to the network by local bluetooth or via internet by remote mode

> LR-BST-25 LoRa - 3G



Code	Description	Model	Box	€/each
OPG707*	LR-MB Bluetooth - LoRa 3g 25 MOD	LR-BST-25	1	1.165,00
OPG723	Solar panel 20 W 12 V	SOL-PACK-20	1	498,00

*While stocks last

DESCRIPTION

Application

- LoRa management interface for programmers and modules with programmers and modules
- Management network creation up to 25 units
- Internet connection by **3G integrated modem**

Specifics

- Bluetooth local communication or remote by LoRa radio communication
- 3G network connection
- Managing by MySolem app
- Installation in covered space
- 230 V power supply by external transformer or 20 W solar panel
- Integrated buffer battery
- IP64 protection degree

Features

- Connection distance: 250 mt if programmers and modules are housed in valve box 800 mt if placed in open field
- Connection to the network by local bluetooth or via internet by remote mode

> LoRa interfaces

> LR-BST-REACT-25 LoRa - 4G



Code	Description	Mod.	C.	€/each
OPG755	LR-MB Bluetooth-LoRa 3g 25 MOD	LR-BST-25	1	2.205,00
OPG723	Solar panel 20 W 12 V	SOL-PACK-20	1	498,00

DESCRIPTION

Application

- Programmer and module management interface LoRa
- Creation of management networks of up to 25 programmers and modules
- Internet connection via integrated 3g modem

Specifics

- Local Bluetooth communication
- Remote via LoRa radio
- Connection to 3G - 4G NETWORK
- Management via MySolem App
- Indoor or outdoor installation
- 230 V power supply with external transformer or 20 W solar panel
- Integrated buffer battery
- Degree of protection IP 64

Features

- Connection distance
- 250 m if controllers and modules are in a pit
- 800 m if positioned in an open field
- Possibility of connecting to the network via Bluetooth locally or remotely via the Internet

> METEO SMART



Code	Description	Model	B.	€/cad
OPG756	Control station + LBS-react	Meteo Smart	1	3.492,00

DESCRIPTION

Application

- SMART LORA control station
- Management by smartphone or tablet (iOS/Android)

Specifics

- LR-BST-REACT interface for managing 25 programmers or LR modules included
- Programming via MySolem app
- IP64 degree of protection
- 4 pre-installed sensors: Thermometer - Anemometer - Rain gauge - Hygrometer
- Complete with 12 V solar panel (230 V power supply optional)
- Built-in lithium backup battery

Features

- Immediate reaction on sensor notifications
- Connection distance: cockpit - 800 m if positioned in the open field
- 250 m if controllers and modules are in the
- Possibility to connect to the network via Bluetooth locally or remotely via the Internet

> Subscriptions for LR-BST-25 / LR-BST-REACT-25 / METEO SMART

SIM subscriptions			€
SOLEM-PL1	SIM 1 year 10 conn./day	SIM-1Y-50M	210,50
SOLEM-PL2	SIM 1 year 24 conn./day	SIM-1Y-100M	425,50
SOLEM-PL3	SIM 3 years 2 conn./day	SIM-3Y-5M	281,80

> LR-IP - 9 V DC Latch LoRa Bluetooth



Code	Description	Model	Box	€/each
OPG143	LR-IP 1 sector 9 V	LR-IP1	6	223,10
OPG144	LR-IP 2 sectors 9 V	LR-IP2	6	265,70
OPG145	LR-IP 4 sectors 9 V	LR-IP4	6	293,30
OPG146	LR-IP 6 sectors 9 V	LR-IP6	6	308,20

DESCRIPTION

Application

- Bluetooth irrigation programmer
- Private and public gardens, sport fields
- Management by smartphone or tablet (iOS/Android)

Specifics

- Bluetooth local communication or remote by LoRa radio communication
- Wi-Fi connection by specific interface
- Programming by MySolem App
- Protection degree: IP68
- Model: 1, 2, 4 and 6 outputs, 9V DC latch
- 24V AC master valve or pump relay output
- Rain sensor connection
- Power supply: 9V DC battery
- IP 68 degree of protection

Features

- 3 programs with 8 daily starts per program
- Station runtime: from 1 minute to 12 hours
- Calendar: weekly personalized, odd/even days, odd 3, periodical
- Water budget: 0 ÷ 200% or automatic managing by meteo
- Irrigation break from 1 to 15 days with automatic re-start
- Manual command
- Solenoid max distance: 30 mt

> LR-IP-FL Bluetooth LoRa 9 V DC



Code	Description	Model	Box	€/each
OPG143	LR-IP 1 sector 9 V	LR-IP1	6	223,10
OPG144	LR-IP 2 sectors 9 V	LR-IP2	6	265,65
OPG145	LR-IP 4 sectors 9 V	LR-IP4	6	293,25
OPG146	LR-IP 6 sectors 9 V	LR-IP6	6	308,20

DESCRIPTION

Application

- Bluetooth watering controller
- For private and public gardens, sports fields
- Management by smartphone or tablet (iOS/Android)

Specifics

- Local Bluetooth or remote communication via LoRa radio communication
- Connection to Wi-Fi network via specific interface
- Programming via MySolem app
- Model with 1, 2, 4 and 6 outputs 9 V DC Latch
- Output for master valve or pump relay 24 V AC
- Connection for rain sensor
- Connection for water meter
- 9 V DC battery power supply
- IP 68 degree of protection

Features

- 3 programmes with 8 daily starts per programme
- Times per station: from 1 minute to 12 hours
- Calendar: customised weekly, even/odd/odd days 3, periodic
- Water budget 0 ÷ 200
- Watering interruption from 1 to 15 days with automatic restart
- Manual control
- Max solenoid distance: 30 mt

> LoRa Modules

> LR-IS-FL

Bluetooth LoRa 230 V



	mm
Hei.	145
Wid.	110 - 160
Dep.	42

Code	Description	Model	B.	€/each
OPG740	LR-IS-FL 2 sectors 24 V	LR-IS-FL2	6	256,80
OPG741	LR-IS-FL 4 sectors 24 V	LR-IS-FL4	6	285,80
OPG742	LR-IS-FL 6 sectors 24 V	LR-IS-FL6	6	300,10
OPG743	LR-IS-FL 9 sectors 24 V	LR-IS-FL9	6	372,40
OPG744	LR-IS-FL 12 sectors 24 V	LR-IS-FL12	6	402,20

> LR-AG - LoRa 9 V



	mm
Hei.	55
Wid.	140
Dep.	90

Code	Description	Mod.	Box	€/cad
OPG750	LR-AG 1 sector 9 V	LR-AG1	6	370,60
OPG751	LR-AG 2 sectors 9 V	LR-AG2	6	418,50
OPG752	LR-AG 4 sectors 9 V	LR-AG4	6	449,00
OPG753	LR-AG 6 sectors 9 V	LR-AG6	6	465,20

> LR-FL - 1 Counter Master Valve 9 V



	mm
Hei.	55
Wid.	140
Dep.	90

Code	Description	Mod.	Box	€/cad
OPG705	Flow meter module master valve	LR-FL-1	1	217,40

DESCRIPTION

Application

- Bluetooth watering controller to weather conditions
- For private and public gardens, sports fields
- Automatically changes watering times according to weather conditions
- Management by smartphone or tablet (iOS/Android)

Specifics

- Bluetooth or Wi-Fi communication via MySolem App
- IP 68 degree of protection
- Model with 2, 4, 6, 9 and 12 24 V AC outputs
- Output for master valve or pump relay 24 V AC
- Connection for rain sensor
- Connection for volumetric meter
- 230/24 V AC transformer power supply

Features

- 12 programmes with 8 daily starts per programme
- Times per station: from 1 minute to 12 hours
- Calendar: customised weekly, even/odd/odd days 3, periodic
- Water budget 0 ÷ 200%.
- Watering interruption from 1 to 15 days with automatic restart
- Manual control
- Max solenoid distance: 30 mt

DESCRIPTION

Application

- Bluetooth watering controller
- For private and public gardens, sports fields
- Management by smartphone or tablet (iOS/Android)

Specifics

- Local Bluetooth or remote communication via LoRa radio communication
- Connection to Wi-Fi network via specific interface
- IP 68 degree of protection
- Model with 1, 2, 4 and 6 outputs 9 V DC Latch
- Output for master valve or pump relay 9 V DC Latch
- 9 V DC battery power supply (type 6AM6 or type 6LR61)

Features

- Independent programming per station
- 4 time windows for cyclical programming
- Times per station from 10 sec. to 11 hours 59 minutes
- Pause times from 30 sec. to 11 hours 59 minutes
- Calendar: customised weekly, even/odd/odd days 3, periodic
- Water budget 0 ÷ 200
- Irrigation interruption from 1 to 15 days with automatic restart
- Manual control
- Fertigation management
- Pressure sensor input
- Max solenoid distance: 30 mt

DESCRIPTION

Application

- Module for reading volumetric meter and master valve/pump management
- Management by smartphone or tablet (iOS/Android)

Specifics

- Local Bluetooth or remote communication via LoRa radio communication
- Connection to Wi-Fi network via specific interface
- Programming via MySolem app
- IP 68 degree of protection
- 1 input/1 output model
- 9 V battery power supply
- System stop action on alarm settable by user
- Maximum distance: 100 mt
- 9V Solem relay required for pump management

Features

- Settable minimum and maximum range threshold
- Alarm (SMS or e-mail notification) in the event of range being exceeded
- Up to 200 programming windows
- Interacts with all modules connected to the same network

> LR-MS - 4 Sensors



	mm
Hei.	55
Wid.	140
Dep.	90

Code	Description	Model	Box	€/each
OPG706	Sensors reading module – 4 inputs	LR-MS-4	1	302,50

DESCRIPTION

Application

- Reading module (digital/analog sensors)
- Management by smartphone or tablet (iOS/Android)

Specifics

- Bluetooth local communication or remote by LoRa radio
- Programming by MySolem app
- Input 1 - 3: dry contact sensors, pulse, an analogic
- Input 4: PT100 sensor
- 9V DC battery power supply

Features

- Each input is individually settable by app
- Input 1 - 3: moisture sensor, rain sensor, meter counter
- Input 4: temperature sensor (PT100)
- Minimum and maximum flow settable threshold
- High flow alarm (SMS or e-mail)
- System stop when in alarm can be set by user
- Maximum distance: 100 mt

> LR-PR Sensore Pressione



	mm
Hei.	55
Wid.	140
Dep.	90

Code	Description	Model	Box	€/each
OPG759	Pressure sensor module 1 input	LR-PR-1	1	472,00

DESCRIPTION

Application

- Pressure sensor reading module
- Management by smartphone or tablet (iOS/Android)

Specifics

- Local Bluetooth or remote communication via LoRa radio communication
- Programming via MySolem app
- IP 68 degree of protection
- 1 input model
- 9V battery power supply

Features

- Adjustable minimum and maximum flow rate threshold
- Alarm (SMS or e-mail notification) in case of flow
- rate out of threshold
- System stop action on alarm settable by the user
- Maximum distance: 100 mt

> Wi-Fi Modules

> SMART - IS Bluetooth Wi-Fi 230 V



	mm
Hei.	145
Wid.	110 - 160
Dep.	42

Code	Description	Model	C.	€/each
OPG700	SMART-IS 2 sect. 24 V	SMART-IS2	6	195,50
OPG701	SMART-IS 4 sect. 24 V	SMART-IS4	6	223,10
OPG702	SMART-IS 6 sect. 24 V	SMART-IS6	6	236,90
OPG703	SMART-IS 9 sect. 24 V	SMART-IS9	6	308,20
OPG704	SMART-IS 12 sect. 24 V	SMART-IS12	6	337,00

DESCRIPTION

Application

- Bluetooth watering controller to weather conditions
- For private and public gardens, sports fields
- Automatically changes watering times according to weather conditions
- Management by smartphone or tablet (iOS/Android)

Specifics

- Bluetooth or Wi-Fi communication via MySolem App
- IP 68 degree of protection
- Model with 2, 4, 6, 9 and 12 24 V AC outputs
- Output for master valve or pump relay 24 V AC
- Connection for rain sensor
- Connection for volumetric meter
- 230/24 V AC transformer power supply

Features

- 12 programmes with 8 daily starts per programme
- Times per station: from 1 minute to 12 hours
- Calendar: customised weekly, even/odd/odd days 3, periodic
- Water budget 0 ÷ 200%.
- Watering interruption from 1 to 15 days with automatic restart
- Manual control
- Max solenoid distance: 30 mt

> Accessories

> SENS-UMID Humidity Sensor



DESCRIPTION

Application

- Soil moisture detecting

Specifics

- Compatible with LR-MS4 module

Features

- 2 mt connection cable included

Code	Description	Model	Box	€/each
OPG722	Soil moisture sensor	Sens-humid	1	232,30

> SENS-TEMP Temperature Sensor



DESCRIPTION

Application

- Soil temperature detecting

Specifics

- Compatible with LR-MS4 module

Features

- 2 mt connection cable included

Code	Description	Model	Box	€/each
OPG721	Soil temperature sensor	Sens-temp	1	88,60

> 9 V relay



DESCRIPTION

Application

- Pumps command

Specifics

- Compatible with 9V DC powered modules

Features

- 9V relays for contactor interface
- Protection class IP 65

Code	Description	Model	Box	€/each
OPG720	9V pump command relay	9 V relay	1	169,10



> Standard Pipe



Description (standard and long term hose):

Application

- Hobby and professional systems

Specifics

- No heavy metals like cadmium and barium

Features

- Anti-frost
- Anti-twisting

Code	Description	Hose Ø mm	Hose mt	€ _{coil}
OTG032	PVC 3 layers standard hose	15 (5/8")	15	30,80
OTG033	PVC 3 layers standard hose	15 (5/8")	25	51,80
OTG034	PVC 3 layers standard hose	15 (5/8")	50	102,20
OTG036	PVC 3 layers standard hose	19 (3/4")	50	134,40
OTG038	PVC 3 layers standard hose	25 (1")	50	213,80

> Long Term Hose



Code	Description	Hose Ø mm	Hose mt	€ _{coil}
OTG053	PVC 5 layers long term hose	15 (5/8")	15	43,40
OTG054	PVC 5 layers long term hose	15 (5/8")	25	72,80
OTG055	PVC 5 layers long term hose	15 (5/8")	50	144,20
OTG057	PVC 5 layers long term hose	19 (3/4")	50	210,00
OTG059	PVC 5 layers long term hose	25 (1")	50	309,40

> Metal Emitters



Code	Description	Ø mm	Material	€	
OPI002	Emitters without fitting		Alluminium	40,60	
OPI003	Comfort emitters with 7 functions		Metal	34,30	
FPS001	Male threaded quick coupling	3/4"	Brass	4,70	
FPS002	Hose fitting	16/19	Brass	14,30	



> Hansen Turbo Twist Wash Nozzle



DESCRIPTION

Application

- High-flow cleaning pistol
- Industry, building sites, farm

Specifics

- Powerful and concentrated flow for a more effective cleaning
- Easyturn system for flow handling avoids accidental supply
- Solid structure, anti-shock, fall protection
- Ergonomic grip, efficient by wet hands as well
- Safe and versatile water supply connection
- Flexible hose adapter (32 and 40 mm Ø included in package)

Code	Description	€
OHV020	Turbo Twist wash nozzle with fittings	107,80

> Irrigation



> Extensible Hose

Code	Description	€	
OTG001	Extensible hose SUPERHOZE 7,5 mt with connectors	50,40	
OTG002	Extensible hose SUPERHOZE 15 mt with connectors	71,40	
OTG003	Extensible hose SUPERHOZE 30 mt with connectors	102,20	
OTG004	Extensible hose SUPERHOZE 40 mt with connectors	124,60	

> Hose Reels and Carts

Code	Description	€	
OAV005	Autoreel automatic wall hose reel 20 mt	229,60	
OAV006	Autoreel automatic wall hose reel 30 mt	348,60	
OAV007	Hose reel cart (20 mt Ø 12,5)	96,60	
OAV008	Hose reel cart (50 mt Ø 15)	72,80	
OAV009	Metal hose reel cart (75 mt Ø 15)	198,80	

> Hose Connectors And Accessories

Code	Description	€	
OGA001	Ø ¾" e Ø ½" fitting	4,80	
OGA003	Outdoor tap 1"Ø connector	4,00	
OGA004	3 ways basic tap connector	23,80	
OGA005	2 way tap connector	40,60	
OGA006	Soft Grip quick coupling (Ø 12,5 mm and Ø 15 mm)	5,10	
OGA007	Soft Grip quick coupling (Ø 19 mm)	6,30	
OGA008	Aquastop Soft Grip coupling (Ø 12,5 mm and Ø 15 mm)	6,50	
OGA009	Aquastop Soft Grip coupling (Ø 19 mm)	7,60	
OGA010	Y connector - loose	7,20	
OGA011	Hose reparative coupling (Ø 12,5 mm and Ø 15 mm)	4,90	
OGA012	Hose reparative coupling (Ø 19 mm)	6,10	
OGA013	Adjustable hose nozzle	7,60	
OGA015	Gun Jet Spray Plus	30,80	
OGA016	Gun "Multi Spray"	23,80	
OGA017*	Ultra Twist	46,20	

*While stocks last

> Rapid bracket



DESCRIPTION

Application

- Quick connection of pop-up and spray head branches

Specifics

- Can be used with low density and high density PN4 and PN6 piping
- No tools required for installation
- Installation 6 times faster than standard bracket

Features

- Maximum pressure: 10 bar
- Burst pressure 27 bar
- Flow rate: 57 l/m at 27 mH2O

Code	Description	Ø mm	Box	€/each	
RPS980	Bracket with easy pipe straight output	25	10	5,85	
RPS981	Bracket with easy pipe straight output	32	10	5,94	
RPS990	Bracket with easy pipe elbow output	25	10	5,85	
RPS991	Bracket with easy pipe elbow output	32	10	5,94	
RPS994	Bracket	25 x 1/2"	10	5,30	
RPS993	Bracket	25 x 3/4"	10	5,30	
RPS995	Bracket	32 x 1/2"	10	5,39	
RPS996	Bracket	32 x 3/4"	10	5,39	
SOAC100	Elbow	1/2" M x 16	10	0,55	
SOAC101	Straight fitting adapter	1/2" M x 16	10	0,55	
SOAC102	Elbow	3/4" M x 16	10	0,55	
SOAC103	Straight fitting adapter	3/4" M x 16	10	0,55	

> Sprinklers Accessories

Code	Description	Ø mm	Box	€/each	
OBA015	Scarabelli flag cm 10 x 12	White	100	0,65	
OBA016	Scarabelli flag cm 10 x 12	Silver	100	0,65	
OBA017	Scarabelli flag cm 10 x 12	Yellow	100	0,65	
OAC013	Cut-off fitting (15 cm)	1/2" M x 1/2" - 3/4" M	25	0,87	
OAC014	Cut-off fitting (15 cm)	3/4" M x 3/4" M	25	1,00	
SOAC026	Straight fitting	16/17 x 1/2" M	1	0,33	
SOAC027	Straight fitting	16/17 x 3/4" M	1	0,33	
SOAC024	90° M elbow	16/17 x 1/2" M	1	0,33	
SOAC025	90° M elbow	16/17 x 3/4" M	1	0,33	
OAC149*	Super Funny Pipe		30 mt	54,22	

*See Rain Bird terms of discount



> Accessories

Code	Description	Ø	Size cm	€	
ACL005	F threaded column riser with fixed tips	½"	H 50-70	29,63	
ACL003	F threaded column riser with fixed tips	¾"	H 50-70	31,05	
ACL004	M threaded column riser with adjustable tips	1"	H 100	61,02	
OST049	F threaded riser	1"		60,12	

> Various Accessories

Code	Description	Height cm	Couplings	€	
OCL020	Green painted column in aluminium with tap	130	½" fil. M	295,00	
OPZ400	Valve box with tap			22,00	

Note: Taps not included

> Swift



DESCRIPTION

Application

- Bayonet quick coupling

Specifics

- Thread in compliance with: UNI EN 12165/EN 12164/ EN 10226-1 UNI ISO 228.1
- Made from extruded bars or hot moulding
- Hydraulic seal by Teflon tape

Materials

- Brass - lead < 1,8%
- Hydraulic seal: NBR

Female quick coupling				Male quick coupling				Quick hose connection				F/M/M 3 ways fitting				Quick coupling plug		
																		
Ø	Code	B.	€/ea.	Ø	Code	B.	€/ea.	Ø	Code	B.	€/ea.	Ø	Code	B.	€/ea.	Code	B.	€/ea.
½"	FAR002	10	6,83	½"	FAR012	10	6,63	DN13	FAR021	10	7,10	¾"	FAR041	10	8,88	FAR031	10	6,67
¾"	FAR003	10	6,98	¾"	FAR013	10	6,75	DN15	FAR022	10	6,90							
1"	FAR004	10	7,83	1"	FAR014	10	6,94	DN18	FAR029	10	7,52							
1¼"	FAR005	10	10,78	1¼"	FAR015	10	9,97	DN20	FAR023	10	7,64							
1½"	FAR006	10	11,71	1½"	FAR016	10	11,48	DN25	FAR026	10	8,65							
								DN32	FAR027	10	10,90							
								DN38	FAR028	10	16,05							

Code	Description	Box	€/ea.
FGN001	Quick coupling seal	100	0,90

> Hydrants and Clapet Valves

Code	Description	Ø	Coupling	Box	€/each	
FIP001	Demountable threaded hydrant*	¾"	M	5	20,45	
FIP002	Demountable threaded hydrant*	1"	M	5	20,45	
FCH010	Hydrant key	¾"		5	8,42	
*Purple cap for waste water on request						

Code	Description	Ø	Coupling	€	
OAC130	Swing checkhose hydrant SV ¾"	¾"	F	28,83	
OAC131	Swing checkhose hydrant SV 1"•	1"	F	54,26	
OAC134	Swing checkhose hydrant SV 1"½	1"½	F	149,03	
OCH010	SV and BT key ¾"	¾"	F/M	13,62	
OCH011	SV key 1"•	1"	F/M	24,17	
OCH014	SV key 1"½	1"½	F/M	87,70	
OAC127	Hydrant valve BT lock cap	¾"	F	33,35	
OAC128	Hydrant valve BT lock cap	1"	F	63,67	
OAC135	Hydrant valve BT	1"	F	50,75	
OCH017	BT key	1"		24,17	
OCH020	Cap closing key BT lock			8,09	
OAC132	Pivoting elbow to be placed on the key	¾"	F	18,19	
OAC133	Pivoting elbow to be placed on the key	1"	F	25,27	
OAC136	Pivoting elbow to be placed on the key	1"½	F	79,09	
•While stocks last					

> Set Green Wall

NEW



Code	Description	Panel W x H (cm)	Pots W x D x H (cm)	€	
OKTLE020	set 5 pots 5" x wall green	16 x 80	20 x 15 x 11	39,70	
OKTLE021	set 3 vases 8" x wall green	26 x 80	30 x 24 x 21	48,60	
OKTLE022	set 5 vases 5" x hydroculture	16 x 80	20 x 15 x 11	50,70	

> Accessories

> Swivel Valves

Code	Description	Ø	€	
FVB002	F/F PN16	1"	15,04	
FVB005	M/F PN16	¾"	10,89	
FVB006	M/F PN16	1"	13,97	
FVB007	M/F PN16	1½"	49,53	
FVB008	M/F PN16	2"	59,70	

Code	Description	N. valves	B.	€/each	
FVB009	Ø 1" manifold with swivel ball valves	1	10	17,52	
FVB010	Ø 1" manifold with swivel ball valves	2	40	36,23	
FVB011	Ø 1" manifold with swivel ball valves	3	20	54,35	
FVB012	Ø 1" manifold with swivel ball valves	4	10	72,46	

> PVC and PP Swivel Fittings

Code	Description	Ø	Coupling	Box	€/each	
SRTF001	PP black Tee	1"	F/F/M	1	3,86	
SRTF010	PP black Tee	1½"	F/F/M	1	12,28	
SRTF011	PP black Tee	2"	F/F/M	1	17,42	
SRCR001	PP black cross	1"	F/F/F/M	1	5,41	
SRG0004	PP black elbow	1"	M/F	1	2,53	
SRG0005	PP black elbow	1½"	M/F	1	9,30	
SRG0006	PP black elbow	2"	M/F	1	12,66	
SRG0001	PP black elbow	1"	F/F	1	3,32	
SRG0002	PP black elbow	1½"	F/F	1	12,28	
SRG0003	PP black elbow	2"	F/F	1	17,42	
SRMF003	PP black coupling	1"	F/F	1	3,22	
SRMF004	PP black coupling	1"	M/F	1	2,20	
SRMF005	PP black coupling	1½"	M/F	1	8,33	
SRMF006	PP black coupling	2"	M/F	1	11,30	
SRNP002	PP reduced nipple with o-ring	1" x ¾"	M	1	1,32	
SRNP003	PP nipple with o-ring	1"	M	1	1,32	
SRNP004	PP nipple with o-ring	1½"	M	1	1,84	
SRNP005	PP nipple with o-ring	2"	M	1	2,73	
SRTF002	2 outputs PP black manifold	1"	F	5	8,25	
SRTF003	3 outputs PP black manifold	1"	F	5	12,21	
SRTF004	4 outputs PP black manifold	1"	F	5	16,23	

> Dura Series Swivel Fittings

Code	Description	Ø	Coupling	Box	€/each	
OAC050	Tee	1"	F/F/M	25	16,20	
OAC054	Cross	1"	F/F/F/M	15	21,50	
OAC051	Elbow	1"	M/F	25	13,85	
OAC053	Elbow	1"	F/F	25	15,27	
OAC052	Sleeve	1"	F/F	50	11,49	
OAC055	Cap	1"	F	25	3,55	
OAC056	Nipple	1"	M/M	25	3,75	
OAC057	Reduced nipple	1" x ¾"	M/M	25	4,19	
OAC062	2 outputs swivel manifold	1"	F/F/F/M	1	31,63	
OAC061	3 outputs swivel manifold	1"	F/F/F/F/M	1	47,43	
OAC060	4 outputs swivel manifold	1"	F/F/F/F/F/M	1	63,11	
OAC058	Union	1"	M/F	25	10,16	

> Dura Series Coupling

Code	Description	Couplings	Leng. cm	€	
OAC035	Vandal-proof coup.	½"		36,93	
OAC036	Vandal-proof coup.	¾"		56,37	
OAC085	Vandal-proof coup.	1"		103,01	
OAC042	Flexible straight coup.	½" M x elb. ½" M	45	14,06	
OAC041	Flexible straight coup.	½" M x elb. ¾" M	45	13,91	
OAC040	Flexible straight coup.	¾" M x elb. ¾" M	45	13,91	
OAC096	4 pieces coupling	1"	30	116,43	
OAC098	4 pieces coupling	1"	45	129,05	
OAC097	4 pieces coupling	1½"	30	187,81	
OAC038	4 pieces coupling	1½"	45	200,46	

> Accessories

> Fittings and Blu-Flex Hose Scarabelli



DESCRIPTION

Application

- Quick coupling for sprinklers installation

Specifics

- Blu-lock is a fitting system to connect sprinklers to the main ducts (by saddle) allowing to save time
- The system consists in a peculiar plug-in fitting, with metal ring seal, which does not require locking and leave fittings and sprinklers free to rotate around the hose
- Coupling is easy to remove by a simple pressure
- It is used with its specific hose, particularly flexible, designed for this kind of application

Code	Description	Couplings	Box	€/each	
OAC109	Blu - Lock hose		1 (30 mt)	49,81	
OAC101	Blu - Lock elbow	½"M	25	1,78	
OAC102	Blu - Lock elbow	¾"M	25	1,78	
OAC103	Blu - Lock adapter	½"M	25	1,78	
OAC104	Blu - Lock adapter	¾"M	25	1,78	
OAC105	Blu - Lock coupling		25	1,83	

> Aluminium Curb

Code	Description	Color	Size mt	Box	€	
OKTLE003	Aluminium curb - 3 mm thickness	Natural aluminum	10,2 cm x 2,44	14	46,95	
OKTLE004	Aluminium curb - 3 mm thickness	Brown	10,2 cm x 2,44	14	56,25	
OKTLE005	Aluminium curb - 3 mm thickness	Green	10,2 cm x 2,44	14	56,25	
OKTLE006	Aluminium curb - 3 mm thickness	Black	10,2 cm x 2,44	14	56,25	
OKTLE008	Reinforced aluminium curb, 4,5 mm thickness	Natural aluminum	14,0 cm x 2,44	10	88,75	
Note: the price of each slab includes two pegs						

Code	Description	Box mt	Lenght mt	Height cm	Box	€/each	
OKTLE012	Stable Edge aluminium curb - 5 mm thickness	68,26	2,438	2,5	30	42,50	
OKTLE013	Stable Edge aluminium curb - 5 mm thickness	53,64	2,438	3,8	20	52,87	
OKTLE014	Stable Edge aluminium curb - 5 mm thickness	46,32	2,438	5,0	20	51,44	
OKTLE015	Stable Edge aluminium curb - 5 mm thickness	41,45	2,438	6,4	20	56,25	
OKTLE016	Stable Edge aluminium curb - 5 mm thickness	31,69	2,438	7,5	15	72,50	
OKTLE017	Stable Edge aluminium curb - 5 mm thickness	24,38	2,438	10,0	10	86,25	
OKTLE018	Pegs		0,255	25,0	1/250	1,89	

> Practicable Grating for Decking

Code	Description	Color	Dimens. m ²	Box	€/each	
GCR001	Grating	Green*	1	3	34,23	
ABS001	Locking ring upper side	Green*	1	1	1,42	
ABI001	Locking ring lower side	Green*	1	1	1,42	
TGS001	Sign cap upper side	White**	1	1	1,42	
TGI001	Sign cap lower side	White**	1	1	1,42	

*Colours available on request: grey and beige **Colours available on request: grey and blue

> Oxygenators

> Oxygenators and Floating Water Games for Ponds and Fish-Farming

Code	Type	Supply	Hp	l/m	€	
OKT027	Splash Series	Single-phase	0,5	2.000	1.893,10	
OKT024	Splash Series	Three-phase	0,5	2.000	1.893,10	
OKT028	Splash Series	Single-phase	1,0	3.200	2.118,60	
OKT025	Splash Series	Three-phase	1,0	3.200	2.118,60	
OKT040	Splash Series	Single-phase	1,5	3.100	2.262,10	
OKT045	Splash Series	Three-phase	1,5	3.100	2.262,10	
OKT070	Closed Splash protection				979,20	
OKT071	Open Splash protection				979,20	

Code	Type	Supply	Hp	€	
OKT263	Sprint series	Single-phase	1,5	2.612,90	
OKT265	Sprint series	Three-phase	1,5	2.612,90	
OKT266	Lighting set with timer for Sprint 220V only	Single-phase		3.306,60	

Note: for fish-farming and fishing other models available



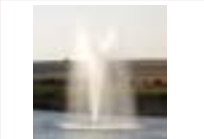
> Oxygenators



> Surface Oxygenators Otterbine Series

Note: for price settlement please specify diffuser model and add the specific engine cost

DIFFUSERS

Code	Description	Funzione	Engine	Height mt	Ø mt	Flow-rate m³/h	Mod.	€	
OKT795	Sunburst	Ventilation	1 ÷ 3 Hp	1,2 ÷ 2,9	5 ÷ 8,6	114,4 ÷ 167,2	18-0038-50	1.080,00	
OKT7955	Sunburst (only 5 HP)	Ventilation	5 Hp	3,2	11,6	237,3	18-0081-50	1.764,00	
OKT796	Gemini	Ventilation	1 ÷ 3 Hp	2 ÷ 3,5	4 ÷ 6,9	119,7 ÷ 172,6	18-0039-50	817,00	
OKT7965	Gemini (only 5 HP)	Ventilation	5 Hp	4,4	9,5	242,7	18-0082-50	1.669,00	
OKT797	Saturn	Ventilation	1 ÷ 3 Hp	0,5 ÷ 1,4	2,1 ÷ 6,1	86,3 ÷ 125,1	18-0040-50	956,00	
OKT7975	Saturn (only 5 HP)	Ventilation	5 Hp	1,5	7	178	18-0083-50	1.616,00	
OKT798	Phoenix	Decorative	1 Hp 2 Hp 3 Hp 5 Hp	H 3,0 - L 1,2 H 4,0 - L 1,8 H 4,2 - L 2 H 4,2 - L 2	H 0,6 - L 5,5 H 0,6 - L 6,4 H 0,9 - L 7,2 H 0,9 - L 7,2	32,4 45,3 59,3 59,3	18-0041-50	3.933,00	
OKT799	Rocket	Decorative	1 Hp 2 Hp 3 Hp 5 Hp	3,8 ÷ 4,4 4,9 ÷ 5,5 5,6 ÷ 6,2 5,6 ÷ 6,2	1,5 1,5 2,4 2,4	23,7 33,4 43,2 43,2	18-0042-50	2.982,00	
OKT800	Tri-star	Decorative	1 Hp 2 Hp 3 Hp 5 Hp	H 3,0 - M 1,8 - L 0,9 H 4,0 - M 2,4 - L 1,2 H 4,6 - M 3,2 - L 2,0 H 4,6 - M 3,2 - L 2,0	H 0,6 M 2,7 L 4,0 H 0,6 M 3,0 L 5,2 H 0,9 M 3,8 L 6,1 H 0,9 M 3,8 L 6,1	32,4 45,3 59,3 59,3	18-0043-50	4.019,00	
OKT801	Comet	Decorative	1 Hp 2 Hp 3 Hp 5 Hp	2,8 ÷ 3,4 4,4 ÷ 5,0 5,2 ÷ 6,8 5,2 ÷ 6,8	1,5 1,5 2,4 2,4	28,0 39,9 51,8 51,8	18-0044-50	3.421,00	
OKT802	Genesis	Decorative	1 Hp 2 Hp 3 Hp 5 Hp	H 2,1 - L 1,2 H 3,4 - L 1,5 H 4,2 - L 1,7 H 4,2 - L 1,7	H 3,0 - L 7,6 H 4,0 - L 10,7 H 5,0 - L 13,7 H 5,0 - L 13,7	32,4 45,3 59,3 59,3	18-0045-50	4.238,00	
OKT803	Constellation	Decorative	1 Hp 2 Hp 3 Hp 5 Hp	H 1,2 - L 0,6 H 1,8 - L 0,6 H 2,4 - L 0,9 H 2,4 - L 0,9	H 2,7 - L 5,4 H 3,7 - L 7,6 H 4,6 - L 9,6 H 4,6 - L 9,6	32,4 45,3 59,3 59,3	18-0046-50	4.284,00	

Note: H high jet - M medium jet - L low jet

ENGINES TO COMBINE

Code	Description	Mod.	€
OKT790	Fractional HP 0,5 - 230 V	04-0014-220	6.030,00
OKT791	HP 1 - 230 V	01-0111-215	10.976,00
OKT792	HP 2 - 230 V	01-0112-215	12.819,00
OKT793	HP 3 - 380 V	01-0113-335	14.697,00
OKT794	HP 5 - 380 V	01-0115-335	17.968,00

LIGHTNING KIT

Code	Description	Mod.	€
OKT804	4 headlights 300 W 12 V with 4 mt cable	GL03	4.967,00

> POLARIS HT pump



DESCRIPTION

Application

- Professional pump for misting and humidification

Specifics

- 3 pistons, high-strength ceramic coating
- Control manometer
- Metal casing with vibration dampeners and plastic cover
- Low noise level 60 dB(A)
- CE certified
- On/Off switch
- Dry running protection
- 40 bar safety control system (SSC) against high pressure rupture
- Thermal protection

Features

- Working pressure: 70 bar
- Brass head
- 2 solenoid valves 230V in line
- 220 V - 2Hp self-ventilated motor
- Integrated digital timer (on/off cycles - time)
- RH% and T probe input (probes not included)
- Integrated digital hygostat (range 5÷95% sensitivity 1%)
- Integrated digital thermostat PT100 probes
- BSP internal drain with pump cooling by-pass

Code	Description	Bar	l/m	Nozzles	Power		€
					W	A (50 Hz)	
ONF556	POLARIS-HT 230V 50 Hz Pump	70	1	8 - 22	550	2,8	3.260,40
ONF553	POLARIS-HT 230V 50 Hz pump	70	2	23 - 44	680	3,1	3.260,40
ONF557	Pump POLARIS-HT 230V 50 Hz	70	3	45 - 66	815	3,7	3.260,40
ONF554	Pump POLARIS-HT 230V 50 Hz	70	4	67 - 88	900	4,1	3.260,40
ONF555	Pump POLARIS-HT 230V 50 Hz	70	6	89 - 130	1.250	5,7	3.260,40

Code	Description	€	
ONF175	Hose adapter - Nozzle 3/8" x 1/24"	12,60	
ONF150	TCN 1/24" Noxide Economy cleanable nozzle 0.15	16,40	
ONF151	TCN 1/24" Noxide Economy Cleanable Nozzle 0.20	11,10	
ONF152	TCN 1/24" Noxide Economy cleaning nozzle 0.30	9,00	
ONF154	Nozzle head rose brass 5x1/24unc	59,40	
ONF155	Nipple M 1/8" G x 1/24"	9,00	
ONF156	Plug-in nozzle union 3/8" with 1 hole 1/24"	14,60	
ONF165	Socket union plug 3/8"	13,10	
ONF166	"T" plug-in 3/8"	27,90	
ONF168	90° elbow, plug-in 3/8"	23,80	

Code	Description	€	
ONF164	3/8" end cap	4,80	
ONF158	Nozzle connector for 2 nozzles 1/24" 3/8" connection	17,20	
ONF161	End-of-line plug-in nozzle fitting	11,40	
ONF570	Shut-off ball valve	52,20	
ONF223	with 3/8" plug-in fittings	156,00	
ONF227	High pressure hose PA12PHL 3/8" in roll mt 25 mt black	168,30	
ONF224	High pressure hose PA12PHL 3/8" in roll mt 25 mt white	10,40	
ONF228	High pressure hose 3/8" in pre-cut rod cm 80 black	11,40	
ONF184	High pressure hose 3/8" in pre-cut rod cm 80 white	1,60	
ONF187	3/8" steel hose clamp with black gasket	1,60	
ONF231	3/8" steel hose clamp with white gasket	17,20	
ONF148	Extension hose 10 cm MF 1/24" thread	21,30	
ONF149	Extension hose 20 cm thread MF 1/24"	26,30	

> Cooling and Humidification

> Premium Kit Polyamide line

DESCRIPTION

Application

- For professional high-pressure spraying systems

Code	Components no.									€
										
ONF578	10	11	1	1	1	10	20	1	10	920,70
ONF579	20	21	2	2	2	20	40	2	20	1.432,20
ONF580	30	31	3	3	3	30	60	3	30	1.940,40
ONF581	50	51	5	5	5	50	100	5	50	2.963,40
ONF582	70	71	7	7	7	70	140	7	70	4.016,10

Each kit also comes with n°1

			
Filtration 2 x 9"½ 5 + 1 micron accessories	Automatic drain valve with plug- in connection	Metal pipe cutter for pipes up to ½".	Polyamide 3/8" A.P. tube in 25 m reel

> Vento Pro kit

DESCRIPTION

Application

- For systems that combine misting with air power for greater effectiveness outdoors or in large indoor spaces

Specifics

- Each oscillating fan covers an area of approximately 50 m²
- 60 cm axial fans with 3 speeds for wall mounting and 90° pivoting fixing bracket

Code	Components no.										€
											
	Polyamide 3/8" A.P. tube in 25 m reel	Axial fan for wall mounting	Nozzle holder ring nut 5 holes	Tee brass quick coupler 3/8"	Start connection 3/8" pipe x 1/4" Npt	Non-drip spray nozzle 0.20 mm hole	Rubberized stainless steel cable gland for 3/8" pipe fixing	Brass nozzle exclusion cap 10/24"	Shut-off ball valve 3/8" plug-in connections	25 micron water filter for nozzle	
ONF598	1	2	2	2	2	10	20	2	2	10	2.785,20
ONF599	2	4	4	4	4	20	40	4	4	20	5.326,20
ONF600	3	6	6	6	6	30	60	6	6	30	7.863,90
ONF601	5	8	8	8	8	40	80	8	8	40	10.391,70
ONF602	7	10	10	10	10	50	100	10	10	50	12.949,20

Each kit also comes with n°1

			
Filtration 2 x 9"½ 5 + 1 micron accessories	Automatic drain valve with plug- in connection	Nozzle connector 1 hole brass threaded 1/24".	Metal pipe cutter for pipes up to ½".



> Economy Filter Kit



Code	Description	€
ONF317	Filter system 1 x 5" - 5 micron with accessories	102,30

DESCRIPTION

Application

- For small installations, residential or Moskito

Specifics

- 5" filter
- 5 micron filtration grade
- Complete with:
 - filter body
 - filter wall bracket

- 5 micron filter cartridge

- inlet connection 3/4" M

- outlet connection: 10 mm pipe coupling

- inlet pipe 3/4" F/F

> Standard Filter Kit



Code	Description	€
ONF318	Filter system 2 x 9" - 5 + 1 micron with accessories and pressure gauge	229,40

DESCRIPTION

Application

- Universal for all types of application

Specifics

- Filter 2 x 9"
- Filtration grade 5 + 1 micron
- Complete with:
 - filter body
 - filter wall bracket

- 5 micron filter cartridge

- 1 micron filter cartridge

- inlet connection 3/4" M

- outlet connection: pipe coupling 10 mm

- inlet pipe 3/4" F/F

> Professional Filter Kit



Code	Description	€
ONF319	Filter system 2 x 20" - 5 + 1 micron with accessories and pressure gauge	427,40

DESCRIPTION

Application

- For large installations, residential or Moskito

Specifics

- Filter 2 x 20"
- Filtration grade 5 + 1 micron
- Complete with:
 - filter body
 - filter wall bracket

- 5 micron filter cartridge

- 1 micron filter cartridge

- inlet connection 3/4" M

- outlet connection: 3/4" F

- inlet pipe 3/4" F/F



> Filters Kit and Accessories

> Accessories and Spare Parts Filters

Code	Description	€	
ONF303	Filter cartridge tightening spanner 9"-20"	13,20	
ONF312	Filter cartridge 5 micron 5"	11,60	
ONF316	Filter cartridge 5 micron 9"	18,20	
ONF315	Filter cartridge 1 micron 9"	18,20	
ONF310	Filter cartridge 5 micron 20"	24,80	
ONF313	Filter cartridge 1 micron 20"	24,80	
ONF314	Compact antibacterial filter 0.005 micron - 1/2" MM connections	260,70	

> Control Tools and Accessories

Code	Description	€	
ONF128	Professional PT-100 temperature probe	105,60	
ONF129	Professional RH humidity probe 4-20mA PRO-2	356,40	
ONF617	ETH-MODBUS interface RS-485 Serial 12-48V	534,60	

> Dosing pump



Code	Description	€
ONF153	Easy 230-50/60 dosing pump + external timer	534,60

DESCRIPTION

Application

- Low flow peristaltic dosing pump for pre-mixing of water-soluble additives

Specifics

- Power supply 230 V 50 Hz
- Fixed flow rate adjustable by programmable cyclic timer
- IP65 protection
- Pressure 0.1 bar
- Flow rate 1.54 l/h

> Fan Nebulizer Autonomous



Code	Description	€
ONF616	Mobile fan ICOOLER 4 nozzles 0.15 mm 230-50	4.933,50
ONF615	Mobile fan ICOOLER 4 nozzles 0.20 mm 230-50	4.933,50

DESCRIPTION

Application

- I-cooler self-contained portable fan

Specifics

- Pump unit with aluminium head
- Stainless steel 3 piston pump
- Variable flow system with internal bypass
- Safety valve
- Noise emission: 50 dB (A)
- Digital timer for hour/minute timing
- Motor thermal protection
- 3 ventilation speeds
- Water shortage alarm
- Wheels and handle for movement
- Daily, weekly time programming (optional)
- Area coverage: 50 m²

Features

- Working pressure 70 bar
- Water tank 7 litres
- OFF switch / Ventilation/ Vent. + Mist switch
- Power supply 220 V 50 HzP
- Weight: 70 kg dry
- Dimensions H x D x L cm: 205 x 58 x 58
- BSP internal drain with pump cooling by-pass

> Industrial fans



Code	Description	€
ONF618	140 x140 box fan 500 RPM 400V-50Hz	2.059,20

DESCRIPTION

Application

- High flow industrial fan and extractor

Specifics

- Front and rear mesh doors
- Suspended mounting
- Wall mounting with brackets (not included)
- Noise emission: 61 dB (A)
- Galvanised sheet metal construction
- Stainless steel blade propeller
- Belt transmission

Features

- Flow rate per hour 38,000 m³/h
- Power supply: 400 V 50 Hz
- Dimensions L x H x D cm: 138 x 138 x 33
- Power 745 W - 1.0 HP
- Weight: 52 kg

> Anti-Mosquito Systems

> Moskito Terminator



Code	Description	€
ONF569	Fog Moskito pump -T 6/70 230-50	3.102,00

DESCRIPTION

• Perimeter mosquito defence system

- Anodised aluminium pump head
- High-strength three-piston pump
- Pressure regulating valve
- Inlet solenoid valve
- Non-return valve
- Area coverage up to 200 m²
- Motor thermal protection

- Pressure 50 bar
- Motor 220 V 50 Hz 2 Hp self-ventilated
- Product capacity 5 litres
- Inlet connection: 10 mm
- High pressure hose connection ¼" PA

Application

Specifics

- On/off switch
- Professional dosing pump
- TIME 2.0 digital timer
- 9 daily/weekly programs
- Stainless steel casing with vibration dampers
- Noise level: 60 dB (A)
- CE conformity

Features

- Weight: 33 kg
- Dimensions L x W x H cm: 41.5 x 29.5 x 49
- Max. line length: 200 mt
- Max nozzles: 55 (nozzle 0,30 mm)

> Moskito line KIT

Code	Components no.								€
ONF571	2	12	6	2	2	12	20	12	818,40
ONF572	4	24	6	2	2	24	40	24	1.498,20
ONF573	6	36	6	2	2	36	60	36	2.178,00
ONF574	8	48	6	2	2	48	80	48	2.854,50

Each kit also comes with n°1

Pump connection hose 10 x 8 150 cm	Straight fitting ½" M - 10 mm brass	Tee brass quick coupler ¼"	Metal pipe cutter for pipes up to ½"

> Insecticide and Repellent Products

> Pyrethrum Safe EC



DESCRIPTION

Application

- For general pest control against flies, mosquitoes, cockroaches and all domestic insects in homes, hospitals, clinics, schools, public buildings, communities, industries and food industries, as well as in rural environments

Features

- Tested Concentrated insecticide based on natural Pyrethrum extract, odourless, non-flammable, with rapid knock-down and slimming action and insect-repellent effect
- Water-based

Code	Description	€
ONF236	Pyrethrum Safe EC concentrate / 1 litre	227,70

> Pertrin S



DESCRIPTION

Application

- Effective against all flying and crawling insects in domestic, civil and industrial environments (excluding the food industry).

Characteristics

- Odourless, non-flammable, concentrated insecticide based on permethrin and tetramethrin, with abatement and residual action.
- Water based

Code	Description	€
ONF235	Pertrin S concentrate / 1 litre	125,40



> Anti-mosquito systems and fertilisation



> Injection Kit



DESCRIPTION

Application

- System for biological contrast products injection like Bacillus Thuringiensis Israelensis

Features

Dosing pump is equipped with 2 adjustment knobs:

- The bigger one, placed in the centre, adjusts the injected quantity at each piston stroke
- The smaller one, on the right, adjusts the strokes frequency

Code	Description	Serbatoio lt	€
OKTS102	Anti-mosquito kit	100	1.576,30
OKTS100	Anti-mosquito kit	300	1.778,70
OKTS101	Anti-mosquito kit	500	1.862,30
MVR014	Vectobak formula 12as - 10 lt		490,90





SPORT

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> Long Range Dynamic Sprinklers

> 8005 Series

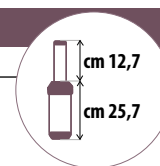


DESCRIPTION

- Sport areas
- Throw range: 17,4 ÷ 24,7 m
- Pressure: 3,5 ÷ 6,9 bar

Specifics

- Flow-rate: 2,54 ÷ 8,24 m³/h
- 1" BSP female threaded fitting



Features

- Rain curtain interchangeable mouthpieces set
- Arc adjustment by head
- Angle: 25°
- Seal-A-Matic check valve. 3,1 mH₂O max
- Plastic, brass and stainless steel body and internal parts
- LND certificate

NOZZLES FEATURES

Nozzle N.	Color	Q m ³ /h	Nozzle N.	Color	Q m ³ /h
4	black	1,06	16	brown	3,99
6	light blue	1,54	18	blue	4,47
8	green	2,09	20	red	5,11
10	grey	2,5	22	yellow	5,84
12	beige	3,05	24	orange	6,26
14	light green	3,54	26	white	6,8

Flow-rate value by 5 bar

Code	Description	€
OID814	8005 with plastic sleeve	150,16
OID815	8005 with stainless steel coating, plastic sleeve	189,04
OAA102	8005 series sprinkler sodcup	102,95

> 552 Series Block Rotors

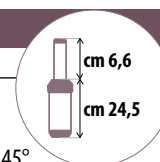


DESCRIPTION

- For sporting areas
- Range: 10,1 ÷ 16,8 m
- Pressure: 3,4 ÷ 6,9 bar

Specifics

- Flow rate: 1,54 ÷ 3,18 m³/h
- Connection 1" ACME female threaded
- Models Full turn 360° and adjustable 30°÷345°



Features

- Set of interchangeable nozzles
- Working arc adjustment from the head
- Mouthpiece trajectory: #51 12° - other 25°
- Body and internal parts made of plastic, brass and stainless steel
- Model B: Seal-A-Matic check valve. Max. 3.1 m.w.a.
- Rotation time: 180° < 90 sec
- Max. jet height: #51 1,5 mt - others 4,0 mt

NOZZLES FEATURES

Nozzle N.	Color	Q m ³ /h	Radius mt
#51	blue	1,93	11,0
#52	beige	1,87	11,3
#53	grey	2,65	15,5
#54	red	2,82	16,5

Flow-rate value by 5,5 bar

Code	Description	€
OID852	552B Sector sprinkler	189,61

> 702 Series

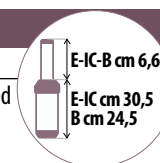


DESCRIPTION

- For sporting areas
- Range: 18,0 ÷ 23,5 mt
- Pressure: 3,4 ÷ 6,9 bar
- Model: E electric - IC integrated control - B retained Seal-A-Matic
- Flow rate: 3,83 ÷ 9,73 m³/h

Specifics

- Connection mod. B 1" ACME female threaded
- Connection mod. E, IC: 1 1/4" ACME
- Models Full turn 360°
- Compatible with SodCup kit



Features

- Set of interchangeable nozzles
- Working arc adjustment from the head
- Mouthpiece trajectory: 25
- Plastic, brass and stainless steel body and internals
- Solenoid 24 V 0.32 Amp - 7.7 VA
- Rotation time: 360° < 180 sec
- Maximum jet height: 5.2 mt

NOZZLES FEATURES

Nozzle N.	Color	Q m ³ /h	Radius mt
#28	white	4,88	18,9
#32	blue	5,67	20,4
#36	yellow	6,42	21,3
#40	orange	6,95	22,0
#44	green	7,71	22,9
#48	black	8,51	22,6

Flow-rate value by 5,5 bar

Code	Description	€
OID820	Sprinkler 702 B full turn with Seal-A-Matic device	306,59
OID843	Sprinkler 702 E full turn 24 V	601,15
OID848	Sprinkler 702 IC full turn integrated control	875,01



> 752 Series

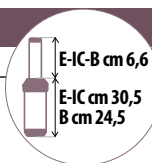


DESCRIPTION

- For sporting areas
- Range: 5,8 ÷ 25,6 mt
- Max pressure 10 bar - Mod. B 6,9 bar
- Model: E electric - IC integrated control - B retained Seal-A-Matic
- Flow rate: 1,51 ÷ 10,57 m³/h

Specifics

- Connection mod. B 1" ACME female threaded
- Connection mod. E, IC: 1"¼ ACME
- Models adjustable 30° ÷ 345°
- Compatible with SodCup kit
- Turret diameter E IC cm15,9 - B cm 10,8



Features

- Set of interchangeable nozzles
- Working arc adjustment from the head
- Nozzle trajectory: 25° standard 12° Low angle
- Plastic, brass and stainless steel body and internal parts
- Solenoid 24 V 0.410 Amp - 9.8 VA (0.32 Amp 7.7 VA)
- Rotation time: 180° < 90 sec
- Maximum jet height:
 - standard (25°) 5,2 mt
 - low angle (12°) 3,7 mt

NOZZLES FEATURES

Nozzle N.	Color	Q m³/h	Radius mt	
			Standard	Low angle
#18	beige	1,84	9,5	6,4
#20	grey	2,06	11,6	10,7
#22	red	2,31	13,4	12,8
#24	plum	2,45	14,6	13,4
#26	light green	2,64	15,5	14,9
#28	white	4,27	17,7	17,4

Nozzle N.	Color	Q m³/h	Radius mt	
			Standard	Low angle
#32	blue	4,94	19,2	18,6
#36	yellow	5,61	20,7	19,8
#40	orange	6,34	20,7	20,4
#44	green	6,95	21,6	21,3
#48	black	7,71	23,2	22,0
#50	brown	9,52	24,7	21,3

Flow-rate value by 5,5 bar

Code	Description	€
OID849	752 B hydraulic sector sprinkler with Seal-A-Matic device	338,35
OID844	Sprinkler 752 E sectors 24 V	680,12
OID855	Sprinkler 752 IC sectors integrated control	921,25

> Eagle 900/950 Series

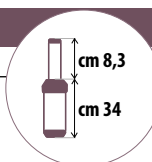


DESCRIPTION

- Sport areas
- Working pressure 4,1 ÷ 6,9 bar
- Flow-rate 4,43 ÷ 13,49 m³/h
- Throw range: EAGLE™ 900 19,2 ÷ 29,6 m
- Throw range EAGLE™ 950 21,3 ÷ 28 m

Specifics

- Angle: 25°
- Maximum jet height: 6,1 m
- 1"½ ACME female threaded fitting
- Built-in valve
- 24VCA solenoid - 50 Hz - starting point 0,41A - regime 0,30°



Code	Description	€
OID816	Full circle eagle 900	610,84
OID818	Variable sector eagle 950	690,88
OAA105	Artificial grass cover for Eagle series sprinkler	333,73

Code	Description	Box	€
UR030	Blue mouthp. 44 x Eagle 900-213900-44	10	11,13
UR031	Yellow mouthp. 48 x Eagle 900-213900-48	10	11,13
UR032	Orange mouthp. 52 x Eagle 900-213900-52	10	11,13
UR034	Black mouthp. 60 x Eagle 900-213900-60	10	11,13
UR035	Red mouthp. 64 x Eagle 900-213900-64	10	11,13
UR036	White mouthp. 18 x Eagle 950-213950-18	10	11,13
UR038	Blue mouthp. 22 x Eagle 950-213950-22	10	11,13
UR039	Yellow mouthp. 24 x Eagle 950-213950-24	10	11,13
UR040	Orange mouthp. 26 x Eagle 950-213950-26	10	11,13
UR043	Brown mouthp. 32 x Eagle 950-213950-32	10	11,13



> Swivel joint



DESCRIPTION

Specifics

- For sprinkler connection
- Pressure: 21.7 bar at 22.8 °C
- Arm length: 20 - 30 - 45 cm
- Connectors BSP/BSP M/M 1" 1¼ and 1½

Features

- Double o-ring seal
- Reduced pressure drop

Code	Description	€
OAC031	Swivel joint BSP/BSP 1" cm 30	60,08
OAC032	Swivel joint BSP/BSP 1" cm 45	49,47

Code	Description	€
OAC043	Swivel joint BSP/ACME 1" cm 40	64,01
OAC044	Swivel joint BSP/ACME 1" ¼ cm 30	67,74
OAC046	Swivel joint BSP/ACME 1" ½ cm 30	88,22
OAC047	Swivel joint BSP/ACME 1" ½ cm 45	95,56

ADAPTERS

Code	Description	€
OAC079	Adapter bsp 1" F x ACME 1" m	16,78
OAC081	Adapter BSP 1" F x ACME 1" ¼ M	16,26
OAC082	Adapter bsp 1" ¼ f x ACME 1" ¼ m	18,36
OAC078	Adapter bsp 1" ½ f x ACME 1" ½ m	18,45

> Tools and Accessories

Code	Description	€	
OAA102	RB spring holder for sprinkler 8005- B80000 Sodcup	102,95	
OAA029	Eagle snap ring pliers 900/950 - D02203	170,05	
OAC213	RB screwdriver for sprinkler 5000 - Y05100	6,55	
OAA027	RB sprinkler maintenance spanner with solenoid valve EGL SVK-B41720	31,60	
OAA033	Eagle 500/700 spring ring pliers - D02236	145,22	
OAC083	Mounting bushing for TSRS/Eagle-D02237	37,51	
OAC148	Universal adapter UHA for pipe - D05205	197,61	
OAA028	Valve insertion tool for Eagle 900/950 series - B41730	211,00	
OAA099	Multifunction spanner for Eagle - DR-SVK-7 D02215	65,22	
OAA030	Valve insertion key for Eagle 500/550-700/750 - B41710	205,02	
OAA098	Valve selector key for Eagle DRSVK18 - D02221	137,26	



> ESP-LX IVM Monocable



	mm
Hei.	322
Wid.	364
Dep.	140

DESCRIPTION

Model

- ESP-LXivm MONOCABLE DECODER - (with IQ remote control option)

Specifics

- Power supply: 230 V 50 Hz
- Output voltage: 24 V 50 Hz monocable
- Backup battery: 1.5 V Lithium integrated
- Degree of protection: IPX4
- Valve control IVM SOL, IVM OUT, IVM

Features

- No. of zones: basic 60 - max 240 with LX-IVM Pro
- Large LCD display
- Rotor for defining the primary functions
- Soft-touch keys for changing parameters
- Programming per station 0 minutes ÷ 96 hours
- 10 independent watering programs
- 8 starts per programme
- 5 flow sensors
- 4 sensor inputs (1 wired - 3 on single wire)
- Watering cycles: customised weekly, cyclic, odd/even day.
- Water budget: 0% ÷ 300%.
- Manual start
- Management of 5 master valves/pumps

Code	Description	€
OPG405	ESP-LX-IVM single-cable controller with Smart Valve technology - 60 stations	1.993,12
OPG406	ESP-LX-IVM PRO single-cable controller with Smart Valve technology - 240 stations	3.697,47

ACCESSORIES ESP-LX IVM PROGRAMMER

Code	Description	€	
OSN004	Solenoid for LX IVM-SOL controller	157,40	
OAC232	LX IVM-SEN device for controlling weather or flow rate sensors	1.008,20	
OAC233	LX IVM-OUT device for managing valves or third-party components	380,88	
OAC231	LX IVM-SD protection against line overvoltage	168,56	

> PGA - IVM Series



DESCRIPTION

Application

- Glass-fibre reinforced polypropylene solenoid valve

Specifics

- Flow rate: 0,45 ÷ 34,5 m³/h
- Operating pressure: 1 Pressure regulator 10.4 bar
- Solenoid 24 V AC/9 V DC Latch
- Manual on/off control
- In-line and corner connection configuration
- Can be used with decoder system

Code	Description	€
OVA170	100PGA-IVM valve, 1" BSP female connections, with IVM solenoid	231,70
OVA171	150PGA-IVM valve, 1" ½ BSP female connections, with IVM solenoid	266,15
OVA172	200PGA-IVM valve, 2" BSP female connections, with IVM solenoid	310,40

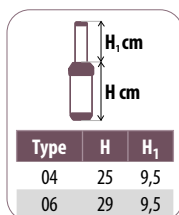


See specific cable for single-cable control unit on page108



> Large Throw-Range Rotors

> I80



DESCRIPTION

- Throw range: 19,2 ÷ 29,5m
- Pressure: 3,4 ÷ 6,9 bar
- Nozzles flow-rate: 2 ÷ 13,5 m³/h

Features

- Interchangeable mouthpiece set - 10 pcs
- Nozzles angle: 22,5°
- Adjustment screw
- OID643: 360° arc, actual partial adjustable 60° 360°
- OID644: opposed nozzles 360°
- Stainless steel piston body

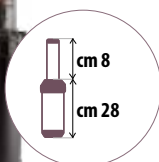
Specifics

- 1" ½ female threaded fitting
- Adjustable angle: 60° ÷ 360°

- Arc adjustment by head

Code	Model	Box	€/each
OID643	I80 - 04 SSB	25	377,16
OID644	I80 - 06 SSB	25	406,18
OAA019	I80 patch holder kit		198,00

> I90



DESCRIPTION

- Throw range: 22,3 ÷ 31,4m
- Pressure: 5,0 ÷ 8,0 bar
- Nozzles flow-rate: 6,7 ÷ 19,04 m³/h

Features

- Interchangeable mouthpiece set - 8 pcs
- Rubber cap
- Nozzles angle: 22,5°
- **OID645 360° fixed, double nozzle**
- **OID646 adjustable angle**
- Arc adjustment by head

Specifics

- 1" ½ female threaded fitting
- Adjustable angle: 40° ÷ 360°

Code	Box	€/each
OID645	20	378,31
OID646	20	378,44

Code	Description	€
OAA011	Sod cup kit	115,96

Toro >

Code	Description	€
OID045	TS90 sprinkler with 9 nozzles set 1" female coupling	269,90
OAC011	Stabilizer to be used with TS90 sprinklers placed outside the natural grass field	60,80
OID046	MiniGRILLO for artificial grass or live system (artificial special turf for natural grassing to be placed to TS90 sprinklers, all positioned inside the field)	658,00

Code	Description	€
OID054	690 sprinkler series - 90° - N.O. hydr. valve	1.665,00
OID055	690 sprinkler series - 90° Check valve	1.665,00
OID056	690 sprinkler series - 90° 24V electric valve	1.830,00
OID057	690 sprinkler series - 180° N.O. hydr. valve	1.665,00
OID058	690 sprinkler series - 180° Check valve	1.665,00
OID059	690 sprinkler series - 180° 24V electric valve	1.830,00
OID060	690 sprinkler series - 360° N.O. hydr. valve	1.560,00
OID061	690 sprinkler series - 360° Check valve	1.560,00
OID062	690 sprinkler series - 360° 24V electric valve	1.720,00
FLX34-3537	360° kit nozzle series 35/37-23/28 cm	320,00
FLX35-3537	Partial kit nozzle series 35/37-22/25 cm	430,00
FLX30-46-1	Sprinkler body 1" 24V el. valve with solenoid	325,00
FLX30-42	Sprinkler body 1" with Check or Matic Valve	310,00
FLX54-5558	360° kit, nozzles series 55/58-22/29m	370,00
FLX55-5558	Partial kit, nozzles series 55/58-22/27m	455,00
FLX50-46-1	1"½ sprinkler body, 24V el. valve with solenoid	365,00
FLX50-41	1" sprinkler body with N.O. hydraulic valve	346,00
OGR003	SC690 Toro sprinklers for sport areas N.O. hydraulic valve 1"½ female thread	3.550,00
OGR004	SC690 Toro sprinklers for sport areas 1"½ female thread	3.680,00

> Irriwalker Self-Propelled Cart



DESCRIPTION

Application

- Suitable for large green areas or sport areas

Specifics

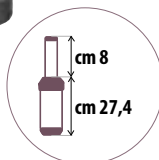
- Working speed: 10 ÷ 20 m/h
- Minimum working pressure: 3,5 bar
- Flow-rate: 3,0 m³/h
- Covered width: 28 ÷ 36 m
- Covered length: 120 m
- Dimensions: 77 x 47 x 40 cm
- Total weight: 33 kg
- Impact sprinkler, 7 mm nozzle
- 19 m throw-range at 4 bar to the sprinkler
- Rainfall: 6,5 ÷ 9 l/m, depending on the speed

Features

- Sector sprinkler allows to define the area to be irrigated
- Water flow can be adjusted for any application
- The precise sprinkler distribution and the constant speed of Irriwalker ensures a perfect irrigation
- Internal gears ensures minimum load losses and maintenance thank to a very low friction coefficient

Code	Description	€
OIR002	Irriwalker Self moving cart with sprinkler for sport areas with ZE-30w	2.992,00

> Hydra-2-XS Series Gear Drive Pop-up Sprinkler



DESCRIPTION

Application

- Sport areas, golf courses

Specifics

- Nozzle: 4 – 5 – 6 mm (4 mm standard)
- Nozzles: 1
- Working pressure: 3,0 ÷ 6,0 bar
- Throw-range: 13 ÷ 19 mt
- Hourly flow-rate: 1,0 ÷ 3,2 m³/h
- Angle: 25°
- Coupling: 1" female - brass bush

Features

- Central flow system reduces the hydraulic friction and improves performances
- Both sectors, left (+/- 90°) and right (30°/360°) are adjustable
- Closed cage rotor
- Adjustable rotation speed (100 – 150 sec/360°)
- High-resistance ball bearings
- Maintenance by sprinkler upper part

Code	Model	Coverage	Throw _{max} mt	€
OID720	hydraulic	full circle	19,0	206,00
OID721	hydraulic	sector	19,0	248,00

> Hydra-2-M Series Gear Drive Pop-up Sprinkler



		H ₁ cm	H cm
Code	H	H ₁	
OID724-5	35	8	
OID728-9	35	8	
OID726-7	42,7	12,6	
OID728S-9S	35	8	

DESCRIPTION

Application

- Sport areas, golf courses

Specifics

- Nozzle: 7 – 8 – 9 – 10 – 11 (10 mm standard)
- Nozzles: 3,4
- Working pressure: 4,0 ÷ 7,0 bar
- Throw-range: 20 ÷ 29 mt
- Hourly flow-rate: 4,2 ÷ 12,8 m³/h
- Angle: 25°
- Coupling: 1" ½ female - brass bush

Features

- Central flow system reduces the hydraulic friction and improves performances
- Both sectors, left (+/- 90°) and right (30°/360°) are adjustable
- Closed cage rotor
- Adjustable rotation speed (100 – 150 sec/360°)
- High-resistance ball bearings
- Maintenance by sprinkler upper part
- Manual control and pressure regulation can be carried out from the top of the sprinkler (ON-OFF-AUTO)

Code	Model	Coverage	Throw _{max} mt	€
OID724	hydraulic	full circle	29	465,00
OID725	hydraulic	sector	29	530,00
OID728	24V AC	full circle	29	568,00
OID729	24V AC	sector	29	610,00
OID726	hydraulic, sode cup	full circle	29	604,00
OID727	hydraulic, sode cup	sector	29	650,00
OID728S	24V AC for synthetic	full circle	29	742,00
OID729S	24V AC for synthetic	sector	29	758,00

> Triton-L Series Impact Pop-Up Sprinkler



		H ₁ cm	H cm
Code	H	H ₁	
OID029-30	37,7	10,7	
OID032	58,4	20,5	
OID028	45,3	10,7	
OID036	66,2	20,5	

DESCRIPTION

Application

- Natural and synthetic sport areas

Specifics

- Nozzle: 10 available nozzles - 7 ÷ 17,5 mm (9 mm standard)
- Nozzles: full circle with 3 nozzles - sector with 2 nozzles
- Working pressure: 3,0 ÷ 8,0 bar
- Throw-range: 19 ÷ 38 mt
- Hourly flow-rate: 4,6 ÷ 28,6 m³/h
- Angle: 22°
- Coupling: 1" ½ female - brass bush

Features

- High rotating speed < 1min/360°
- Easily adjustable sector, no tools
- Water jet high stability in windy area as well
- Greater safety thanks to the stainless steel upright
- Cap assembling/disassembling, no tools needed
- Maintenance by the sprinkler upper side
- Manual control from the top
- Excellent watering uniformity
- Standard cover or with sode cup

Code	Model	Coverage	Throw _{max} mt	€
OID029*	hydraulic	full circle	38	605,00
OID030*	hydraulic	sector	38	710,00
OID032*	hydraulic, sode cup	full circle	38	1.001,00
OID028	24 V AC	sector	38	920,00
OID036	24 V AC, sode cup	full circle	38	1.257,00

*Available while stocks last



> VP3 Series Piston Drive Pop-up Sprinkler



Code	H	H ₁
OGR157	52,8	12
OGR154	68,6	12
OGR154S	68,6	12
OGR155	68,6	12

DESCRIPTION

Application

- Synthetic sport areas

Specifics

- Nozzle: 16 – 20 – 24 mm
- Working pressure: 4,0 ÷ 8,0 bar
- Throw-range: 34 ÷ 54 mt
- Hourly flow-rate: 26 ÷ 69 m³/h
- Angle: 25°
- Coupling: 2" female - brass mouthpiece

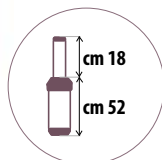
Features

- Sport fields total cover from outside with no sprinkler inside the play area
- Driving by closed piston for a precise watering
- Optional: coupling solenoid for single control, by quick and cost-effective installation - optimized flow valve with very low load losses
- The "sector scout" function (optional) defines the start/stop point, identical for each head
- Maintenance by the upper part of the sprinkle

Code	Model	Coverage	Throw _{max} mt	€
OGR157	hydraulic	sector	54,0	2.685,00
OGR154	24V AC	sector	54,0	2.946,00
OGR154S	9 V latch	sector	54,0	3.545,00
OGR155	24V AC scout	sector	54,0	3.605,00



> Pop-Up Sprinkler Sportgun



Code	Body cm	€
AIR091	52	639,00

DESCRIPTION

Application

- Synthetic sport areas sprinklers

Specifics

- Throw range: 29 ÷ 38 m
- Pressure: 3,0 ÷ 6,0 bar
- Nozzles flow-rate: 21,0 ÷ 29,8 m³/h
- 1"½ female threaded fitting
- Sector: 0 ÷ 360°
- Lifting height: 18 cm

Features

- Interchangeable standard mouthpiece: 18 - 4
- High resistance to sand and pressure by built in seal
- Easy maintenance
- Plastic and stainless steel body and internal part
- Rubber cap

> Pop-Up Sprinkler Playgroud/Flexy



AIR093 AIR094



Flexy

Code	Body cm	€
AIR093	57	1.211,00
AIR094	55	2.386,00

Flexy		
AIR105	57	516,00

	H, cm	H ₁ , cm
AIR093	57	14
AIR094	55	13

DESCRIPTION

Application

- Synthetic sport areas sprinklers

Specifics

- Throw range: 36 ÷ 48 m
- Pressure: 4,0 ÷ 8,0 bar
- Flow-rate: 38,9 ÷ 55,2 m³/h
- 2" female threaded fitting
- Sector: 0 ÷ 360°
- Lifting height: 14 cm

Features

- Interchangeable standard mouthpiece: 22 - 6
- An internal rubber folding top, avoids the passage of sand
- Easy maintenance
- **AIR093: POP UP**
- **AIR094: POP UP with 24V electrovalve**
- **AIR105 FLWXY: shrubbler**
- Plastic and stainless steel body and internal part

> Self Moving Carts with Sprinkler



Turbine

Piston

DESCRIPTION

Application

- Irrigating cart for parks and sport fields

Specifics

- Driving by working pressure at sprinkler input, 1,5/6,2 bar
- Adjustable rewind speed for a correct watering
- Mechanical rewind stop
- Towing bar with hook for lawn mower
- Pressure gauge
- Sector adjustable sprinkler with spare nozzles
- PE PN6 BD hose
- Endless-screw hoseguide for a perfect hose rewinding, rail-chair mounted sprinkler
- On request: variable track wheel cart and water stop by irrigation end

Code	Description	Model	Ø mm	Hose mt	€
OIR045	By piston with accessories	SR S300	32	90	4.134,90
OIR046	By piston with accessories	SR S404	40	130	6.692,70
OIR047	By turbine with accessories	SR 405	40	130	8.327,50
OIR048	By turbine with accessories	SR 505	50	170	10.924,90

NOTES



TECHNICAL APPENDIX

■ Drip irrigation

> FLOW-TAPE

RECOMMENDED MAXIMUM LENGTH - IN MT - ON FLAT (FIELD) – AT 0,7 BAR

Dripline Ø mm	Emitter flow-rate l/h	Flow-rate variation	Emitters spacing (cm)			
			10	20	30	40
16	0,6	10%	97	151	202	242
16	0,6	15%	112	175	228	276
16	1,0	10%	71	111	144	172
16	1,0	15%	81	126	164	198
16	1,8	10%	48	74	97	115
16	1,8	15%	55	86	113	132
22	0,6	10%	165	256	342	413
22	0,6	15%	192	298	391	471
22	1,0	10%	121	191	241	294
22	1,0	15%	138	214	282	337
22	1,8	10%	81	127	168	201
22	1,8	15%	93	148	192	228
25	0,6	10%	205	312	424	503
25	0,6	15%	237	370	486	586
25	1,0	10%	145	231	304	362
25	1,0	15%	172	265	345	415
25	1,5	10%	110	175	226	273
25	1,5	15%	128	203	261	316
25	1,8	10%	99	158	211	254
25	1,8	15%	116	184	243	287

Dripline Ø mm	Emitter flow-rate l/h	EU	Emitters spacing (cm)			
			10	20	30	40
16	0,6	90%	135	210	280	329
16	0,6	85%	176	272	349	420
16	1,0	90%	99	158	194	247
16	1,0	85%	125	196	251	299
16	1,8	90%	67	104	138	158
16	1,8	85%	87	132	172	207
22	0,6	90%	229	355	470	562
22	0,6	85%	-	460	597	719
22	1,0	90%	168	259	335	421
22	1,0	85%	215	331	425	518
22	1,8	90%	111	177	233	274
22	1,8	85%	142	231	298	359
25	0,6	90%	-	453	580	728
25	0,6	85%	-	-	737	895
25	1,0	90%	199	322	417	498
25	1,0	85%	-	408	534	650
25	1,5	90%	162	254	315	378
25	1,5	EU 85%	197	312	405	497
25	1,8	EU 90%	139	219	287	353
25	1,8	EU 85%	181	285	367	458

> T-SAL S1

RECOMMENDED MAXIMUM LENGTH - IN MT - ON FLAT (FIELD) - 8 MIL THICK

Dripline Ø mm	Emitter flow-rate l/h	Flow-rate variation	Emitters spacing (cm)						
			15	20	25	30	40	50	60
16	0,60	10%	128	156	181	218	248	288	324
16	0,60	15%	149	182	212	254	289	336	378
16	1,00	10%	99	120	140	168	191	222	250
16	1,00	15%	115	140	163	196	222	258	291
16	1,40	10%	78	94	110	131	149	173	194
16	1,40	15%	91	110	127	153	173	201	226
16	2,20	10%	57	69	80	91	110	125	143
16	2,20	15%	66	80	92	120	126	144	165
22	0,60	10%	219	267	312	353	428	496	560
22	0,60	15%	255	311	363	411	498	578	652
22	1,00	10%	166	202	236	266	323	375	424
22	1,00	15%	193	235	274	310	376	437	493
22	1,40	10%	133	161	187	211	255	295	332
22	1,40	15%	155	188	218	245	296	343	386
22	2,20	10%	96	116	138	156	186	218	247
22	2,20	15%	110	136	158	179	217	251	284

Dripline Ø mm	Emitter flow-rate l/h	EU	Emitters spacing (cm)						
			15	20	25	30	40	50	60
16	0,60	90%	172	208	242	274	332	384	434
16	0,60	85%	198	239	278	315	382	442	499
16	1,00	90%	148	180	209	236	286	332	374
16	1,00	85%	169	205	239	270	327	379	427
16	1,40	90%	105	123	146	164	199	230	259
16	1,40	85%	120	142	167	189	229	264	298
16	2,20	90%	75	91	110	124	149	170	185
16	2,20	85%	98	120	139	158	190	220	245
22	0,60	90%	277	338	394	446	541	627	708
22	0,60	85%	318	389	453	513	622	721	815
22	1,00	90%	220	270	314	355	431	500	565
22	1,00	85%	253	310	361	408	495	575	649
22	1,40	90%	164	199	231	258	314	364	409
22	1,40	85%	189	229	265	282	361	418	470
22	2,20	90%	131	152	179	208	245	294	323
22	2,20	85%	165	204	238	271	325	376	422

> T-SAL L

RECOMMENDED MAXIMUM LENGTH - IN MT - ON FLAT (FIELD) - 8 MIL THICK

Dripline Ø mm	Emitter flow-rate l/h	Flow-rate variation	Emitters spacing (cm)						
			15	20	25	30	40	50	60
16	0,80	10%	100	124	146	166	203	237	268
16	0,80	15%	117	144	170	193	236	275	311
16	1,15	10%	76	94	110	125	153	179	202
16	1,15	15%	89	109	129	146	179	209	236
16	1,50	10%	64	79	93	106	129	151	170
16	1,50	15%	74	92	108	123	150	176	199
16	2,30	10%	51	62	73	83	101	118	133
16	2,30	15%	59	72	85	97	118	137	155
16	3,80	10%	36	44	52	59	72	85	95
16	3,80	15%	41	51	60	69	84	98	111
22	0,80	10%	170	211	249	284	349	408	463
22	0,80	15%	197	245	290	331	406	475	539
22	1,15	10%	127	158	186	212	261	305	346
22	1,15	15%	147	184	217	248	304	356	404
22	1,50	10%	111	139	164	187	230	269	305
22	1,50	15%	130	161	191	218	268	313	360
22	2,30	10%	84	104	123	140	172	201	227
22	2,30	15%	98	122	143	163	200	234	264
22	3,80	10%	59	74	87	100	122	143	163
22	3,80	15%	69	86	101	116	142	167	190

Dripline Ø mm	Emitter flow-rate l/h	EU	Emitters spacing (cm)						
			15	20	25	30	40	50	60
16	0,80	90%	143	170	209	220	260	301	342
16	0,80	85%	172	195	234	270	325	376	427
16	1,15	90%	117	140	167	180	219	250	280
16	1,15	85%	145	173	205	220	270	310	351
16	1,50	90%	96	110	138	145	175	204	228
16	1,50	85%	116	141	155	181	218	252	282
16	2,30	90%	70	91	107	125	146	173	195
16	2,30	85%	87	114	134	152	184	213	240
16	3,80	90%	52	61	76	82	97	115	129
16	3,80	85%	66	79	97	102	122	141	160
22	0,80	90%	243	298	365	375	462	531	600
22	0,80	85%	272	365	400	477	571	659	744
22	1,15	90%	200	249	294	320	385	443	501
22	1,15	85%	213	298	314	399	476	552	620
22	1,50	90%	173	196	245	259	309	359	402
22	1,50	85%	187	234	266	315	380	442	499
22	2,30	90%	123	153	180	205	251	289	327
22	2,30	85%	137	178	200	254	305	355	392
22	3,80	90%	88	109	129	145	174	201	228
22	3,80	85%	96	135	141	181	193	248	278

> T-SAL DL

RECOMMENDED MAXIMUM LENGTH - IN MT - ON FLAT (FIELD) - 36 MIL THICK

Dripline Ø mm	Emitter flow-rate l/h	Flow-rate variation	Emitters spacing (cm)	
			30	40
16	1,15	10%	120	147
16	1,15	15%	140	171
16	1,5	10%	102	124
16	1,5	15%	117	145
16	2	10%	87	104
16	2	15%	98	121
16	2,3	10%	77	96
16	2,3	15%	91	110
16	3,8	10%	57	69
16	3,8	15%	65	80

Dripline Ø mm	Emitter flow-rate l/h	Flow-rate variation	Emitters spacing (cm)	
			30	40
20	1,15	10%	140	170
20	1,15	15%	160	195
20	1,5	10%	120	147
20	1,5	15%	134	164
20	2	10%	99	119
20	2	15%	114	139
20	2,3	10%	89	112
20	2,3	15%	105	128
20	3,8	10%	66	81
20	3,8	15%	75	91

> NEW GR

RECOMMENDED MAXIMUM LENGTH - IN MT - ON FLAT (FIELD) (MAX 10% DIFFERENCE OF FLOW RATE)

Dripline Ø mm	Inlet pressure bar	Emitter flow-rate l/h	Emitters spacing (cm)				
			30	40	50	60	80
16	1,0	1,0	91	113	133	151	186
16	1,0	2,0	62	77	91	104	127
16	1,0	4,0	41	51	61	69	85
20	1,0	2,0	95	117	138	157	191
20	1,0	4,0	72	90	105	119	146

■ Drip irrigation

> PC2

RECOMMENDED MAXIMUM LENGTH - IN MT - ON FLAT (FIELD)

Dripline Ø mm	Emitters spacing (cm)		30	40	50	60	80	30	40	50	60	80	30	40	50	60	80
	Emitter flow-rate l/h		1,3					2,2					3,8				
16	Inlet pressure bar	1	95	120	145	169	218	69	88	105	123	154	50	63	77	90	112
16		2	115	148	179	209	270	84	108	130	152	191	61	78	95	111	139
16		3	136	176	214	248	321	103	132	160	187	235	75	96	117	137	171
16		4	156	202	246	286	368	118	151	183	214	268	85	110	132	154	195

Dripline Ø mm	Emitter flow-rate l/h		1,5					2,2					3,8				
20	Inlet pressure bar	1	156	196	236	268	316	122	154	185	209	259	81	102	123	140	173
20		2	195	246	294	337	397	153	193	230	263	326	102	128	153	175	218
20		3	240	302	360	415	490	188	237	282	324	402	125	158	188	216	268
20		4	273	343	410	474	558	214	269	321	370	458	143	180	215	248	305

> SuperDrip RC e SuperDrip PC AS

RECOMMENDED MAXIMUM LENGTH - IN MT - ON FLAT (FIELD)

RECOMMENDED MAXIMUM LENGTH IN M - ON FEAT (FEET)																										
Dripline Ø mm	Emitters spacing (cm)		20	30	40	50	60	80	100	20	30	40	50	60	80	100	20	30	40	50	60	80	100			
	Emitter flow-rate l/h		1,0								1,6								2,0							
	Inlet pressure bar	2	130	184	234	280	323	383	476	83	118	149	179	207	246	305	63	85	104	122	139	162	196			
		3	154	218	277	332	383	455	566	98	139	178	213	246	293	363	78	105	130	152	172	201	244			
16		4	163	232	194	353	407	485	602	110	156	199	238	276	328	407	89	120	148	174	197	230	279			

Dripline Ø mm	Emitter flow-rate l/h		1,0								1,6								2,0							
20	Inlet pressure bar	2	215	297	370	437	499	585	717	138	190	237	280	320	376	461	104	136	165	191	215	249	299			
20		3	255	352	439	519	593	696	853	164	226	282	334	381	448	549	129	170	205	238	268	309	373			
20		4	271	374	467	552	631	741	908	183	253	316	374	427	502	615	147	194	235	272	306	354	427			

Dripline Ø mm	Emitter flow-rate l/h		1,0								1,6							
	Inlet pressure bar	1	197	272	336	393	446	551	643	129	173	214	255	293	361	418		
2		283	387	483	569	651	797	922	186	251	313	368	419	515	602			
3		344	470	582	683	778	908	1106	219	300	372	438	499	582	710			
4		405	552	688	817	938	1106	1299	1518	303	405	507	609	711	843	1000		

> PC2 ND (No-Drain)

RECOMMENDED MAXIMUM LENGTH - IN MT - ON FLAT (FIELD)

Dripline Ø mm	Emitters spacing (cm)		30	40	50	60	30	40	50	60	20	30	40	50	60	30	40	50	60
	Emitter flow-rate l/h		1,6				2,0				2,35				4,0				
	Inlet pressure bar	1	95	120	145	169	69	88	105	123	36	51	64	77	88	50	63	77	90
2		115	148	179	209	84	108	130	152	62	89	112	138	156	61	78	95	111	
3		136	176	214	248	103	132	160	187	76	108	138	166	191	75	96	117	137	

Dripline Ø mm	Emitter flow-rate l/h		1,6				2,0				2,35				4,0				
20	Inlet pressure bar	1	156	196	236	268	122	154	185	209	54	76	95	113	129	81	102	123	140
20		2	195	246	294	337	153	193	230	263	101	141	178	212	244	102	128	153	175
20		3	240	302	360	415	188	237	282	324	124	175	220	263	302	125	158	188	216

> Rondo Fogger

POSITIONING AND CU % UNIFORMITY

mt among emitters	mt among rows	fogger	
		47 l/h	61 l/h
0,5	0,5	■	■
0,7	0,7	■	■
0,8	0,8	■	■
0,9	0,9	■	■
1	1	■	■
1,2	1,2	■	■
1,4	1,4	■	■

100 cm height - upside down positioning - 3 bar pressure

> Rondo Mini Sprinklers

BLACK SPINNER - CU%

BLACK SPINNER - CU%																					
Positioning mt	Height from ground cm	Black		Blue		Green		Red		White		Violet		Yellow		Brown		Orange			
		I/h																			
		39		51		75		102		132		174		205		254		298			
		CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h		
2 x 2	25	■	9,8	■	12,8	■	18,8	■	25,5	■	33,0	■	43,5	■	51,3	■	63,5	■	74,5		
2 x 2	80	■	9,8	■	12,8	■	18,8	■	25,5	■	33,0	■	43,5	■	51,3	■	63,5	■	74,5		
2,5 x 2,5	25	■	6,2	■	8,2	■	12,0	■	16,3	■	21,1	■	27,8	■	32,8	■	40,6	■	47,7		
2,5 x 2,5	80	■	6,2	■	8,2	■	12,0	■	16,3	■	21,1	■	27,8	■	32,8	■	40,6	■	47,7		
3 x 3	25	■	4,3	■	5,7	■	8,3	■	11,3	■	14,7	■	19,3	■	22,8	■	28,2	■	33,1		
3 x 3	80	■	4,3	■	5,7	■	8,3	■	11,3	■	14,7	■	19,3	■	22,8	■	28,2	■	33,1		
3,5 x 3,5	25	■	3,2	■	4,2	■	6,1	■	8,3	■	10,8	■	14,2	■	16,7	■	20,7	■	24,3		
3,5 x 3,5	80	■	3,2	■	4,2	■	6,1	■	8,3	■	10,8	■	14,2	■	16,7	■	20,7	■	24,3		
4 x 4	25	■	2,4	■	3,2	■	4,7	■	6,4	■	8,3	■	10,9	■	12,8	■	15,9	■	18,6		
4 x 4	80	■	2,4	■	3,2	■	4,7	■	6,4	■	8,3	■	10,9	■	12,8	■	15,9	■	18,6		
4,5 x 4,5	25	■	1,9	■	2,5	■	3,7	■	5,0	■	6,5	■	8,6	■	10,1	■	12,5	■	14,7		
4,5 x 4,5	80	■	1,9	■	2,5	■	3,7	■	5,0	■	6,5	■	8,6	■	10,1	■	12,5	■	14,7		
5 x 5	25			■	2,0	■	3,0	■	4,1	■	5,3	■	7,0	■	8,2	■	10,2	■	11,9		
5 x 5	80	■	1,6		2,0	■	3,0	■	4,1	■	5,3	■	7,0	■	8,2	■	10,2	■	11,9		
5,5 x 5,5	25			■	1,7	■	2,5	■	3,4	■	4,4	■	5,8	■	6,8	■	8,4	■	9,9		
5,5 x 5,5	80			■	1,7	■	2,5	■	3,4	■	4,4	■	5,8	■	6,8	■	8,4	■	9,9		
6 x 6	25					■	2,1	■	2,8	■	3,7	■	4,8	■	5,7	■	7,1	■	8,3		
6 x 6	80				1,4	■	2,1	■	2,8	■	3,7	■	4,8	■	5,7	■	7,1	■	8,3		
6,5 x 6,5	25							■	2,4	■	3,1	■	4,1	■	4,9	■	6,0	■	7,1		
6,5 x 6,5	80						1,8	■	2,4	■	3,1	■	4,1	■	4,9	■	6,0	■	7,1		
7 x 7	25							■	2,1	■	2,7	■	3,6	■	4,2	■	5,2	■	6,1		
7 x 7	80						1,5	■	2,1	■	2,7	■	3,6	■	4,2	■	5,2	■	6,1		
7,5 x 7,5	25							■	1,8	■	2,3	■	3,1	■	3,6	■	4,5	■	5,3		
7,5 x 7,5	80							■	1,8	■	2,3	■	3,1	■	3,6	■	4,5	■	5,3		
8 x 8	25									■	2,7	■	3,2	■	3,2	■	4,0	■	4,7		
8 x 8	80									■	2,1	■	2,7	■	3,2	■	4,0	■	4,7		

Upwards positioning - 2 bar pressure

VIOLET SPINNER - CU%

Posit. mt	Height from ground cm	WOLFF SPINNER 30%									
		Black		Blue		Green		Red		White	
		I/h									
		39		51		75		102		132	
		CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h
2 x 2	25		9,8		12,8		18,8		25,5		33,0
2,5 x 2,5	25		6,2		8,2		12,0		16,3		21,1
3 x 3	25		4,3		5,7		8,3		11,3		14,7
3,5 x 3,5	25		3,2		4,2		6,1		8,3		10,8
4 x 4	25		2,4		3,2		4,7		6,4		8,3
4,5 x 4,5	25				2,5		3,7		5,0		6,5
5 x 5	25						3,0		4,1		5,3
5,5 x 5,5	25										4,4

Upwards positioning - 2 bar pressure

BLUE SPINNER - CU%

Height from ground	Black		Blue		Green		Red		White	
	I/h									
	39		51		75		102		132	
cm	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h
100		9,8		12,8		18,8		25,5		33,0
100		6,2		8,2		12,0		16,3		21,1
100		4,3		5,7		8,3		11,3		14,7
100		3,2		4,2		6,1		8,3		10,8
100		2,4		3,2		4,7		6,4		8,3
100				2,5		3,7		5,0		6,5
100						3,0		4,1		5,3
100										4,4

Upside down positioning - 2 bar pressure

Legend

■ > 95% ■ ≤ 95% ÷ > 90% ■ ≤ 90% ÷ > 85% ■ ≤ 85%

Micro Irrigation

GREEN SPINNER RONDO - CU%

Positioning mt	Height from ground cm	GREEN SPINNER ROLLS - 65%																	
		Black		Blue		Green		Red		White		Violet		Yellow		Brown		Orange	
		l/h																	
		39		51		75		102		132		174		205		254		298	
		CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h
2 x 2	100	■	9,8	■	12,8	■	18,8	■	25,5	■	33,0	■	33,0	■	51,3	■	63,5	■	74,5
2 x 2	200	■	9,8	■	12,8	■	18,8	■	25,5	■	33,0	■	33,0	■	51,3	■	63,5	■	74,5
2,5 x 2,5	100	■	6,2	■	8,2	■	12,0	■	16,3	■	21,1	■	21,1	■	32,8	■	40,6	■	47,7
2,5 x 2,5	200	■	6,2	■	8,2	■	12,0	■	16,3	■	21,1	■	21,1	■	32,8	■	40,6	■	47,7
3 x 3	100	■	4,3	■	5,7	■	8,3	■	11,3	■	14,7	■	14,7	■	22,8	■	28,2	■	33,1
3 x 3	200	■	4,3	■	5,7	■	8,3	■	11,3	■	14,7	■	14,7	■	22,8	■	28,2	■	33,1
3,5 x 3,5	100	■	3,2	■	4,2	■	6,1	■	8,3	■	10,8	■	10,8	■	16,7	■	20,7	■	24,3
3,5 x 3,5	200	■	3,2	■	4,2	■	6,1	■	8,3	■	10,8	■	10,8	■	16,7	■	20,7	■	24,3
4 x 4	100	■	2,4	■	3,2	■	4,7	■	6,4	■	8,3	■	8,3	■	12,8	■	15,9	■	18,6
4 x 4	200	■	2,4	■	3,2	■	4,7	■	6,4	■	8,3	■	8,3	■	12,8	■	15,9	■	18,6
4,5 x 4,5	100	■	1,9	■	2,5	■	3,7	■	5,0	■	6,5	■	6,5	■	10,1	■	12,5	■	14,7
4,5 x 4,5	200	■	1,9	■	2,5	■	3,7	■	5,0	■	6,5	■	6,5	■	10,1	■	12,5	■	14,7
5 x 5	100	■	1,6	■	2,0	■	3,0	■	4,1	■	5,3	■	5,3	■	8,2	■	10,2	■	11,9
5 x 5	200	■	1,6	■	2,0	■	3,0	■	4,1	■	5,3	■	5,3	■	8,2	■	10,2	■	11,9
5,5 x 5,5	100					■	2,5	■	3,4	■	4,4	■	4,4	■	6,8	■	8,4	■	9,9
5,5 x 5,5	200	■	1,3	■	1,7	■	2,5	■	3,4	■	4,4	■	4,4	■	6,8	■	8,4	■	9,9
6 x 6	100					■	2,1	■	2,8	■	3,7	■	3,7	■	5,7	■	7,1	■	8,3
6 x 6	200			■	1,4	■	2,1	■	2,8	■	3,7	■	3,7	■	5,7	■	7,1	■	8,3
6,5 x 6,5	100													■	4,9	■	6,0	■	7,1
6,5 x 6,5	200							■	2,4	■	3,1	■	3,1	■	4,9	■	6,0	■	7,1
7 x 7	100													■	4,2	■	5,2	■	6,1
7 x 7	200							■	2,1	■	2,7	■	2,7	■	4,2	■	5,2	■	6,1
7,5 x 7,5	100													■	3,6	■	4,5	■	5,3
7,5 x 7,5	200											■	3,1	■	3,6	■	4,5	■	5,3
8 x 8	200											■	2,7	■	3,2	■	4,0	■	4,7
Upside down positioning - 2 bar pressure																			

Upside down positioning - 2 bar pressure

> RFR Rondo Mini Sprinklers Self-compensating

GRAY SPINNER - CU%

Positioning mt	Height from ground cm	GRAY SPINNER - 60%					
		Blue		Dark blue		Red	
		I/h					
		30		41		70	
		CU	mm/h	CU	mm/h	CU	mm/h
2 x 2	25	■	7,5	■	10,3	■	17,5
2,5 x 2,5	25	■	4,8	■	6,6	■	11,2
3 x 3	25	■	3,3	■	4,6	■	7,8
3,5 x 3,5	25	■	2,4	■	3,3	■	5,7
4 x 4	25	■	1,9	■	2,6	■	4,4
4,5 x 4,5	25				2,0	■	3,5
5 x 5	25					■	2,8

Upwards positioning - 2 bar pressure

RED SPINNER - CU%

Positioning mt	Height from ground cm	RED SPINNER - C6%					
		Blue		Dark blue		Red	
		l/h					
		30		41		70	
		CU	mm/h	CU	mm/h	CU	mm/h
2 x 2	25		7,5		10,3		17,5
2,5 x 2,5	25		4,8		6,6		11,2
3 x 3	25				4,6		7,8
3,5 x 3,5	25						5,7
4 x 4	25						4,4

Upside down positioning - 2 bar pressure

Legend

■ > 95% ■ ≤ 95% ÷ > 90% ■ ≤ 90% ÷ > 85% ■ ≤ 85%

> Super XL Mini Sprinklers

Positioning mt	Height from ground cm	Violet		Yellow		Brown		Orange	
		l/h							
		191		235		290		341	
		CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h
6 x 6	75	■	5,81	■	7,17	■	8,75	■	10,36
6 x 7	75	■	4,98	■	6,14	■	7,50	■	8,88
6 x 8	75	■	4,35	■	5,38	■	6,56	■	7,77
6 x 9	75	■	3,87	■	4,78	■	5,83	■	6,91
6 x 10	75	■	3,48	■	4,30	■	5,25	■	6,22
7 x 7	75	■	4,27	■	5,27	■	6,43	■	7,61
7 x 8	75	■	3,73	■	4,61	■	5,63	■	6,66
7 x 9	75	■	3,32	■	4,10	■	5,00	■	5,92
7 x 10	75	■	2,99	■	3,69	■	4,50	■	5,33
8 x 8	75	■	3,27	■	4,03	■	4,92	■	5,83
8 x 9	75	■	2,90	■	3,58	■	4,38	■	5,18
8 x 10	75	■	2,61	■	3,23	■	3,94	■	4,66
9 x 9	75	■	2,58	■	3,19	■	3,89	■	4,60
9 x 10	75	■	2,32	■	2,87	■	3,50	■	4,14
Upwards positioning - pressione 25 mH2O									

Upwards positioning - pressione 25 mH2O

> Xcel Wobbler Mini Sprinklers

Nozzle	Pressure bar	Distances mt	CU %	SC %	Height cm	Precipit. mm/h
Grey high	1,38	6,10 x 6,10	■	1,13	45	15,5
	1,72	7,62 x 7,62	■	1,45	45	11,2
Turquoise high	1,38	6,10 x 6,10	■	1,14	45	19,3
	1,72	7,62 x 7,62	■	1,30	45	13,7

Height 45 cm - Upwards positioning

Legend

■ > 95% ■ ≤ 95% ÷ > 90% ■ ≤ 90% ÷ > 85% ■ ≤ 85%

■ Micro Irrigation

> NaanDanJain Hammerhead Sprinklers

427 B AG - PERFORMANCE TABLE

Nozzle colour (mm)	Pressure (bar)	Flow-rate (l/h)	Diameter (m)
2.8 Orange	2,0	450	22
	3,0	550	23
	4,0	630	24
3.0 Red	2,0	510	23
	3,0	630	24
	4,0	720	25
3.2 Green	2,0	570	23
	3,0	700	24
	4,0	810	26
3.5 Blue	2,0	660	23
	3,0	810	24
	4,0	930	26
4.0* Black	2,0	850	24
	3,0	1.030	26
	4,0	1.180	26

*Standard nozzle

This table was created by measuring performance under laboratory conditions - In the event of strong winds, bring sprinklers closer together

5035 SD PC - PERFORMANCE TABLE - DOUBLE NOZZLE - SD SHORT

Nozzle colour (mm)	Pressure (bar)	Flow-rate (l/h)	Diameter (m)
3,5* Blue	2,5	720	26
	3,0	790	27
	4,0	910	27
	5,0	1.020	28
4,0 Black	2,5	950	27
	3,0	1.040	28
	4,0	1.200	28
	5,0	1.350	29
4,5 Brown	2,5	1.210	28
	3,0	1.320	30
	4,0	1.540	31
	5,0	1.710	32
5,0 Purple	2,5	1.460	30
	3,0	1.610	31
	4,0	1.870	33
	5,0	2.100	34

*Standard nozzle

This table was created by measuring performance under laboratory conditions - In the event of strong winds, bring sprinklers closer together

**5022 SD-U - PERFORMANCE TABLE - DOUBLE NOZZLE
RAINFALL (MM/H) AND UNIFORMITY (CU) AT DIFFERENT SPACINGS**

Ø nozzle mm	Pressure atm	Flow-rate l/h	Diameter m	Distances (m)									
				9 x 9		9 x 10		10 x 10		10 x 12		12 x 12	
				CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h
2,5 x 1,8 Purple	1,5	450	18,5	■	5,4	■	4,9	■	4,4	■	3,7	■	3,1
	2,0	520	19,5	■	5,9	■	5,3	■	4,8	■	4,0	■	3,3
	2,5	580	21,0	■	6,6	■	5,9	■	5,4	■	4,5	■	3,7
	3,0	630	21,5	■	7,3	■	6,6	■	5,9	■	4,9	■	4,1
	3,5	670	22,0	■	7,8	■	7,1	■	6,4	■	5,3	■	4,4
	4,0	720	21,5	■	8,5	■	7,6	■	6,9	■	5,7	■	4,8
F.R. Flow regulator	1,5	590	21,0	■	7,3	■	6,5	■	5,0	■	4,9	■	4,1
2,8 x 1,8 Orange 7	1,5	540	19,0	■	6,3	■	5,7	■	5,1	■	4,3	■	3,5
	2,0	620	20,0	■	6,9	■	6,2	■	5,6	■	4,7	■	3,9
	2,5	690	21,5	■	7,8	■	7,1	■	6,4	■	5,3	■	4,4
	3,0	760	22,0	■	8,5	■	7,7	■	6,9	■	5,8	■	4,8
	3,5	820	23,0	■	9,3	■	8,3	■	7,5	■	6,3	■	5,2
	4,0	860	22,5	■	9,9	■	8,9	■	8,0	■	6,7	■	5,6

This table was created by measuring performance under laboratory conditions - In the event of strong winds, bring sprinklers closer together

Legend

■ > 92% ■ ≤ 92% ÷ > 89% ■ ≤ 89% ÷ > 85% ■ ≤ 85%

5035 SD - PERFORMANCE TABLE - SINGLE NOZZLE - SD LONG
RAINFALL (MM/H) AND UNIFORMITY (CU) AT DIFFERENT SPACINGS

Ring colour	Nozzle colour (mm)	P (bar)	Q (l/h)	D (m)	Distances (m)											
					12 x 15		12 x 18		15 x 15		15 x 18		18 x 18		20 x 20	
					CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h
Red	3,5 Blue	2,5	720	24,0	■	4,0	■	3,3	■	3,2						
		3,0	790	24,0	■	4,4	■	3,7	■	3,5						
		4,0	910	25,0	■	5,1	■	4,2	■	4,0	■	3,4				
		5,0	1.040	25,0	■	5,8	■	4,8	■	4,6	■	3,9				
	4,0 Black	2,5	950	26,0	■	5,3	■	4,4	■	4,2	■	3,5				
		3,0	1.040	26,0	■	5,8	■	4,8	■	4,6	■	3,9				
		4,0	1.200	26,0	■	6,7	■	5,6	■	5,3	■	4,4	■	3,7		
		5,0	1.350	28,0	■	7,5	■	6,3	■	6,0	■	5,0	■	4,2		
Black	4,5 Brown	2,5	1.210	28,0	■	6,7	■	5,6	■	5,4	■	4,5				
		3,0	1.320	28,0	■	7,3	■	6,1	■	5,9	■	4,9	■	4,1		
		4,0	1.540	29,0	■	14,1	■	11,8	■	11,3	■	9,4	■	7,8		
		5,0	1.710	30,0	■	9,5	■	7,9	■	7,6	■	6,3	■	5,3		
	5,0 Purple	2,5	1.460	29,0	■	8,1	■	6,8	■	6,5	■	5,4	■	4,5		
		3,0	1.610	29,0	■	8,9	■	7,5	■	7,2	■	6,0	■	5,0	■	4,0
		4,0	1.870	31,0	■	10,4	■	8,7	■	8,3	■	6,9	■	5,8	■	4,7
		5,0	2.100	32,0	■	11,7	■	9,7	■	9,3	■	7,8	■	6,5	■	5,3
	5,5 Orange	2,5	1.760	30,0	■	9,8	■	8,1	■	7,8	■	6,5	■	5,4	■	4,4
		3,0	1.930	31,0	■	10,7	■	8,9	■	8,6	■	7,1	■	6,0	■	4,8
		4,0	2.230	34,0	■	12,4	■	10,3	■	9,9	■	8,3	■	6,9	■	5,6
		5,0	2.490	35,0	■	13,8	■	11,5	■	11,1	■	9,2	■	7,7	■	6,2
	6,0 Red	2,5	2.060	30,0	■	11,4	■	9,5	■	9,2	■	7,6	■	6,4	■	5,2
		3,0	2.260	32,0	■	12,6	■	10,5	■	10,0	■	8,4	■	7,0	■	5,7
		4,0	2.620	34,0	■	14,6	■	12,1	■	11,6	■	9,7	■	8,1	■	6,6
		5,0	2.940	36,0	■	16,3	■	13,6	■	13,1	■	10,9	■	9,1	■	7,4

5035 SD - PERFORMANCE TABLE - DOUBLE NOZZLE - SD SHORT
RAINFALL (MM/H) AND UNIFORMITY (CU) AT DIFFERENT SPACINGS

Ring colour	Nozzle colour (mm)	P (bar)	Q (l/h)	D (m)	Distances (m)											
					12 x 15		12 x 18		15 x 15		15 x 18		18 x 18		20 x 20	
					CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h
Red	3,5 x 2,5 Blue	3,0	1.240	27,2	■	6,9	■	5,7	■	5,5	■	4,6	■	3,8	■	3,1
		4,0	1.430	27,2	■	7,9	■	6,6	■	6,4	■	5,3	■	4,4	■	3,6
		5,0	1.620	27,2	■	9,0	■	7,5	■	7,2	■	6,0	■	5,0	■	4,1
	4,0 x 2,5 Black	3,0	1.490	28,0	■	8,3	■	6,9	■	6,6	■	5,5	■	4,6	■	3,7
		4,0	1.740	29,0	■	9,7	■	8,1	■	7,7	■	6,4	■	5,4	■	4,4
		5,0	1.950	29,2	■	10,8	■	9,0	■	8,7	■	7,2	■	6,0	■	4,9
Black	4,5 x 2,5 Brown	3,0	1.790	29,7	■	9,9	■	8,3	■	8,0	■	6,6	■	5,5	■	4,5
		4,0	2.070	30,2	■	11,5	■	9,6	■	9,2	■	7,7	■	6,4	■	5,2
		5,0	2.320	32,2	■	12,9	■	10,7	■	10,3	■	8,6	■	7,2	■	5,8
	5,0 x 2,5 Purple	3,0	2.110	31,5	■	11,7	■	9,8	■	9,4	■	7,8	■	6,5	■	5,3
		4,0	2.400	33,2	■	13,3	■	11,1	■	10,7	■	8,9	■	7,4	■	6,0
		5,0	2.690	35,2	■	14,9	■	12,5	■	12,0	■	10,0	■	8,3	■	6,7
	5,5 x 2,5 Orange	3,0	2.390	32,2	■	13,3	■	11,1	■	10,6	■	8,9	■	7,4	■	6,0
		4,0	2.760	34,2	■	15,3	■	12,8	■	12,3	■	10,2	■	8,5	■	6,9
		5,0	3.090	35,0	■	17,2	■	14,3	■	13,7	■	11,4	■	9,5	■	7,7
	6,0 x 2,5 Red	3,0	2.700	34,2	■	15,0	■	12,5	■	12,0	■	10,0	■	8,3	■	6,8
		4,0	3.160	36,0	■	17,6	■	14,6	■	14,0	■	11,7	■	9,8	■	7,9
		5,0	3.540	34,0	■	19,7	■	16,4	■	15,7	■	13,1	■	10,9	■	8,9

Legend

■ > 92% ■ ≤ 92% ÷ > 89% ■ ≤ 89% ÷ > 85% ■ ≤ 85%

Micro Irrigation

SUPER 10 - PERFORMANCE TABLE
RAINFALL (MM/H) AND UNIFORMITY (CU) AT DIFFERENT SPACINGS

Nozzle colour	P (bar)	Q (l/h)	D (m)	Distances (m)											
				9 x 9		9 x 10		10 x 10		9 x 12		10 x 12		12 x 12	
				CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h
Blue	2,5	360	18,0	■	4,5	■	4,0	■	3,6						
	3,0	395	17,5	■	4,9	■	4,4	■	3,9						
	3,5	425	17,0	■	5,3	■	4,8	■	4,2						
	4,0	455	17,0	■	5,6	■	5,1	■	4,6						
F.R.	3,0 ÷ 5,0	360	18,0	■	4,5	■	4,1	■	3,7						
Yellow	2,5	450	20,0	■	5,7	■	5,1	■	4,6	■	4,3	■	3,8	■	3,2
	3,0	495	20,0	■	6,1	■	5,5	■	4,9	■	4,6	■	4,1	■	3,4
	3,5	530	20,0	■	6,6	■	5,9	■	5,3	■	4,9	■	4,4	■	3,7
	4,0	570	20,0	■	7,1	■	6,4	■	5,7	■	5,3	■	4,8	■	4,0
F.R.	3,0 ÷ 5,0	450	20,0	■	5,5	■	5,0	■	4,5	■	4,2	■	3,7	■	3,1
Green	2,5	550	20,0	■	6,7	■	6,0	■	5,4	■	5,0	■	4,5	■	3,8
	3,0	600	20,0	■	7,4	■	6,7	■	6,0	■	5,5	■	5,0	■	4,2
	3,5	650	20,0	■	8,0	■	7,2	■	6,5	■	6,0	■	5,4	■	4,5
	4,0	695	20,0	■	8,6	■	7,8	■	7,0	■	6,5	■	5,8	■	4,8
F.R.	3,0 ÷ 5,0	550	20,0	■	6,9	■	6,2	■	5,6	■	5,2	■	4,3	■	3,9
Red	2,5	670	21,0	■	8,3	■	7,4	■	6,7	■	6,2	■	5,6	■	4,6
	3,0	735	21,0	■	9,0	■	8,1	■	7,3	■	6,8	■	6,1	■	5,1
	3,5	790	21,0	■	9,6	■	8,7	■	7,8	■	7,2	■	6,5	■	5,4
	4,0	850	21,0	■	10,5	■	9,4	■	8,5	■	7,9	■	7,1	■	5,9
F.R.	3,0 ÷ 5,0	670	21,0	■	8,2	■	7,5	■	6,7	■	6,2	■	5,6	■	4,7

F.R.: Flow regulator

Legend

■ > 92% ■ ≤ 92% ÷ > 89% ■ ≤ 89% ÷ > 85% ■ ≤ 85%

> Plastic Impact Sprinklers

Positioning mt	Model					
	SI 22		SI 228		SI 46F	
	CU	mm/h	CU	mm/h	CU	mm/h
9 x 9	■	7,90	■	8,56		
9 x 10	■	7,10				
10 x 10	■	6,40	■	6,93		
11 x 11			■	5,73		
9 x 12	■	5,90				
10 x 12	■	4,80	■	5,78		
12 x 12			■	4,81	■	11,13
13 x 13					■	9,48
14 x 14					■	8,17
15 x 15					■	7,12

Legend

■ > 95% ■ ≤ 95% ÷ > 90% ■ ≤ 90% ÷ > 85% ■ ≤ 85%

> AIR Series Impact Sprinklers

Code	Distances mt	CU %	Precipit. mm/h	Code	Distances mt	CU %	Precipit. mm/h	Code	Distances mt	CU %	Precipit. mm/h
AIR110	8 x 8	■	5,2	AIR114	10 x 10	■	18,3	AIR100	6 x 6	■	22,4
	9 x 9	■	4,1		11 x 11	■	15,1		7 x 7	■	16,5
	10 x 10	■	3,3		12 x 12	■	12,7		8 x 8	■	12,6
AIR111	8 x 8	■	4,7		13 x 13	■	10,8	AIR095	12 x 12	■	16,1
	9 x 9	■	3,7		14 x 14	■	9,3		13 x 13	■	13,7
	10 x 10	■	3,0		15 x 15	■	8,1		14 x 14	■	11,8
	11 x 11	■	2,5	AIR115	12 x 12	■	24,7		15 x 15	■	10,3
	12 x 12	■	2,1		13 x 13	■	21,0	AIR098	15 x 15	■	21,5
AIR112	8 x 8	■	5,6		14 x 14	■	18,1		18 x 18	■	14,9
	9 x 9	■	4,4		15 x 15	■	15,8		21 x 21	■	11,0
	10 x 10	■	3,6		16 x 16	■	13,9	AIR099	21 x 21	■	28,9
	11 x 11	■	3,0		17 x 17	■	12,3		24 x 24	■	22,1
	12 x 12	■	2,5	AIR116	18 x 18	■	11,0		27 x 27	■	17,5
					15 x 15	■	28,6		30 x 30	■	14,2
					18 x 18	■	19,8				
					21 x 21	■	14,6				

Legend

■ > 95% ■ ≤ 95% ÷ > 90% ■ ≤ 90% ÷ > 85% ■ ≤ 85%

> Funny Impact Sprinkler

Nozzle Ø mm	Pressure atm	Throw m	Flow-rate l/m	1 sprinkler		■			▲			
				S m²	I mm/h	D m	S m²	I mm/h	D m	D1 m	S m²	I mm/h
5	1,5	12,5	20	490	2,4	17	289	4,1	21	18	378	3,2
	2	13,5	22	572	2,3	19	361	3,6	23	20	460	2,8
	3	15	27	706	2,2	21	441	3,6	25	22	550	2,9
	4	16,5	32	854	2,2	23	529	3,6	28	24	672	2,8
6	1,5	13	28	530	3,0	18	324	4,9	22	19	418	3,8
	2	14,5	32	660	2,8	20	400	4,7	25	21	525	3,6
	3	16,5	39	854	2,6	23	529	4,3	28	24	672	3,4
	4	17,5	45	961	2,8	24	576	4,6	30	26	780	3,4
7	1,5	14	37	615	3,5	20	400	5,5	24	21	504	4,3
	2	15	42	706	3,6	21	441	5,8	25	22	550	4,7
	3	17	52	907	3,4	24	576	5,4	29	25	725	4,3
	4	18,5	60	1074	3,4	26	676	5,5	32	27	864	4,3
9	1,5	15	62	706	5,2	21	441	8,4	25	22	550	6,7
	2	16,5	71	855	5,0	23	529	8,0	28	24	672	6,3
	3	18,5	87	1074	4,8	26	676	7,7	32	27	864	6,0
	4	19,5	100	1193	5,1	27	729	8,3	33	29	957	6,3

> K1 Impact Sprinkler

Nozzle Ø mm	Pressure atm	Throw m	Flow-rate l/m	1 sprinkler		■			▲			
				S m²	I mm/h	D m	S m²	I mm/h	D m	D1 m	S m²	I mm/h
8	1,5	15,5	49	754	3,8	22	484	6,0	26	23	598	4,8
	2	17,0	57	908	3,7	24	576	5,9	29	25	725	4,7
	3	19,0	69	1134	3,6	26	676	6,0	32	28	896	4,6
	4	20,5	80	1319	3,6	29	841	5,7	35	30	1050	4,5
9	1,5	16,5	62	855	4,3	23	529	7,0	28	24	672	5,5
	2	17,5	71	962	4,3	24	576	7,3	30	26	780	5,4
	3	19,5	87	1194	4,3	27	729	7,1	33	29	957	5,4
	4	21,0	100	1384	4,3	29	841	7,1	36	31	1116	5,3
10	1,5	17,0	76	908	4,9	24	576	7,8	29	25	725	6,2
	2	18,0	88	1017	5,2	25	625	8,4	31	27	837	6,3
	3	20,5	107	1319	4,8	29	841	7,6	35	30	1050	6,1
	4	22,0	124	1520	4,8	31	961	7,7	38	33	1254	5,9
12	1,5	17,0	110	908	7,2	24	576	11,4	29	25	725	9,1
	2	19,0	127	1134	6,7	26	676	11,2	32	28	896	8,5
	3	21,0	155	1384	6,7	29	841	11,0	36	31	1116	8,3
	4	23,5	179	1734	6,2	33	1089	9,8	40	35	1400	7,6

Legend

S = Irrigated area

I = Hourly precipitation

D = Sprinklers distance on the pipeline

D1 = Distance between 2 contiguous pipelines

> "Y" Cyclon Effect Screen STF

REFERENCE FLOW RATES • Depending on the number of plugs used to occlude the baffle holes, to ensure the "cyclone" effect, and keep the pressure drop within 0.5 bar. In the diagrams the plugged holes are coloured red.	FY - 2" - CIC 26,8 m³/h 21,6 m³/h 18,5 m³/h 14,7 m³/h 12,0 m³/h 8,5 m³/h 6,0 m³/h 2,5 m³/h	FY - 3" - CIC 52,5 m³/h 50,5 m³/h 49,0 m³/h 46,8 m³/h 42,9 m³/h 40,3 m³/h 36,6 m³/h 34,2 m³/h 30,7 m³/h 28,5 m³/h
FY - 4" - CIC / FY 5" CIC 65,0 m³/h 63,0 m³/h 59,0 m³/h 56,5 m³/h 54,3 m³/h 50,5 m³/h 49,0 m³/h 46,5 m³/h 43,4 m³/h 41,3 m³/h 39,0 m³/h 36,0 m³/h 33,8 m³/h	FY - 6" - CIC 112,0 m³/h 107,0 m³/h 103,5 m³/h 100,0 m³/h 98,0 m³/h 94,8 m³/h 92,0 m³/h 90,0 m³/h 86,9 m³/h 83,0 m³/h 80,9 m³/h 77,3 m³/h 75,8 m³/h 74,0 m³/h 73,0 m³/h 69,9 m³/h 66,5 m³/h 63,8 m³/h 61,5 m³/h 58,5 m³/h 57,0 m³/h 54,0 m³/h 52,8 m³/h 49,0 m³/h	

> Venturi

ASPIRATION CAPACITY CHART DEPENDING ON PRESSURE

Pressure		¾"		1"		1½"		2"	
Input	Output	Flow-rate	Aspiration	Flow-rate	Aspiration	Flow-rate	Aspiration	Flow-rate	Aspiration
mH2O	mH2O	through injector	I/h	through injector	I/h	through injector	I/h	through injector	I/h
20	10,0	1.310	165	4.295	290	7.050	700	10.250	710
20	12,5	1.310	115	4.295	157	7.050	440	10.250	630
20	15,0	1.310	53	4.295	30	7.050	130	10.250	275
25	10,0	1.505	185	4.647	352	7.860	750	11.080	700
25	15,0	1.505	155	4.647	220	7.860	610	11.080	675
25	17,5	1.505	95	4.647	80	7.860	370	11.080	475
30	15,0	1.625	185	5.070	335	8.200	750	12.025	700
30	20,0	1.625	130	5.070	160	8.200	450	12.025	625
30	22,5	1.625	62	5.070	22	8.200	250	12.025	425
35	20,0	1.740	180	5.380	310	9.070	720	12.945	700
35	25,0	1.740	105	5.380	85	9.070	400	12.945	550
35	27,5	1.740	40	5.380	0	9.070	130	12.945	222
40	20,0	1.870	200	5.727	365	9.750	750	13.960	700
40	25,0	1.870	175	5.727	250	9.750	700	13.960	690
40	27,5	1.870	125	5.727	135	9.750	500	13.960	625
40	30,0	1.870	77	5.727	27	9.750	320	13.960	430

> Tefen Mixrite Proportional Dosing

LOAD LOSSES

Code	Mod.		LOAD LOSSES																	
			I/h																	
			7	20	100	200	500	1.000	1.500	2.000	2.500	3.000	4.000	5.000	6.000	8.000	10.000	15.000	20.000	25.000
FER331	TF2.5-2	bar	0,18	0,18	0,18	0,19	0,24	0,42	1,28											
FER332	TF2.5-4		0,18	0,19	0,19	0,21	0,32	0,50	1,57											
FER333	TF2.5-10		0,20	0,27	0,30	0,33	0,42	0,71	1,78											
FER334	TF5-1					0,03	0,05	0,17	0,19	0,19	0,20	0,26	0,38	0,50						
FER335	TF5-2					0,17	0,18	0,22	0,25	0,28	0,32	0,38	0,43	0,58						
FER336	TF5-5					0,41	0,42	0,43	0,46	0,48	0,51	0,53	0,57	0,71						
FER337	TF10-1						0,05	0,07	0,08	0,09	0,11	0,13	0,19	0,23	0,28	0,37	0,47			
FER338	TF10-2						0,09	0,10	0,12	0,13	0,17	0,20	0,28	0,32	0,34	0,42	0,61			
FER339	TF10-5						0,14	0,18	0,21	0,24	0,26	0,28	0,31	0,36	0,40	0,63	0,82			
FER340	TF25-2.5							0,10	0,10	0,10	0,10	0,10	0,20	0,27	0,35	0,40		0,62	0,88	1,20
FER340	TF25-5.5						0,20	0,21	0,22	0,24	0,25	0,30	0,40	0,46	0,54	0,60	0,80	1,10	1,40	

Fertigation

CHEMICAL SUBSTANCES RESISTANCE CHART

Chemical substance				Type					
				TF 2,5 Standard model	TF 2,5 By-pass model	TF 2,5 PVDF model	TF 5 Standard model	TF 10 Standard model	TF 25 Standard model
Iron chelate	MIXED	-		■	■	■	■	■	■
N.P.K. + microelements	LOW	-		■	■	■	■	■	■
N.P.K. + microelements	MEDIUM	-		■	■	■	■	■	■
N.P.K. + microelements	HIGH	<70%		■	■	■	■	■	■
Manure	NOT UNIFORM	-		■	■	■	■	■	■
Ammonium nitrate	NH ₄ NO ₃	LOW	< 10%	■	■	■	■	■	■
Ammonium nitrate	NH ₄ NO ₃	MEDIUM	<20%	■	■	■	■	■	■
Ammonium nitrate	NH ₄ NO ₃	HIGH	<50%	■	■	■	■	■	■
Natural organic fertilizer	MIXED	-		■	■	■	■	■	■
Nitric acid	HNO ₃	LOW	<10%	■	■	■	■	■	■
Nitric acid	HNO ₃	MEDIUM	<20%	■	■	■	■	■	■
Nitric acid	HNO ₃	HIGH	>20%	■	■	■	■	■	■
Phosphoric acid	H ₃ PO ₄	LOW	<10%	■	■	■	■	■	■
Phosphoric acid	H ₃ PO ₄	MEDIUM	<20%	■	■	■	■	■	■
Phosphoric acid	H ₃ PO ₄	HIGH	>20%	■	■	■	■	■	■
Sulfuric acid	H ₂ SO ₄	LOW	<10%	■	■	■	■	■	■
Sulfuric acid	H ₂ SO ₄	MEDIUM	<20%	■	■	■	■	■	■
Sulfuric acid	H ₂ SO ₄	HIGH	>20%	■	■	■	■	■	■
Sodium hypochlorite	NaClO	LOW	< 1%	■	■	■	■	■	■
Sodium hypochlorite	NaClO	MEDIUM	<5%	■	■	■	■	■	■
Sodium hypochlorite	NaClO	HIGH	>5%	■	■	■	■	■	■
Hydrogen peroxide	H ₂ O ₂	LOW	<10%	■	■	■	■	■	■
Hydrogen peroxide	H ₂ O ₂	MEDIUM	<35%	■	■	■	■	■	■
Hydrogen peroxide	H ₂ O ₂	HIGH	<50%	■	■	■	■	■	■
Sodium hydroxide	NaOH	LOW	<20%	■	■	■	■	■	■
Sodium hydroxide	NaOH	MEDIUM	<50%	■	■	■	■	■	■
Sodium hydroxide	NaOH	HIGH	<80%	■	■	■	■	■	■
Hydrochloric acid	HCL	LOW	<10%	■	■	■	■	■	■
Hydrochloric acid	HCL	MEDIUM	<31%	■	■	■	■	■	■
Hydrochloric acid	HCL	HIGH	<50%	■	■	■	■	■	■

Legend



Recommended



Eligible



Not recommended

> Grundfos SQE 3" Series Vertical Axis, Submersible

PERFORMANCE TABLE

Type	Code	Nom. power Kw	M. ph. 230 V A	FLOW-RATE																	Threaded delivery	Pump and motor unit	
				m³/h	0	0,5	1,0	1,5	2,0	2,5	3,0	3,5	4,0	5,0	6,0	7,0	8,0	9,0	H	Wei.			
				l/s	0	0,14	0,28	0,42	0,56	0,70	0,83	0,97	1,11	1,39	1,67	1,95	2,22	2,50	mm	kg			
SQE 2 - 35	PSM171	0,45	2,9	M.C.A	45	43	42	39	35	29	19									1"¼	747	4,7	
SQE 2 - 55	PSM172	0,65	4,1		68	66	63	60	54	45	32									1"¼	747	4,8	
SQE 2 - 70	PSM173	0,87	5,3		89	87	84	79	72	60	43									1"¼	774	5,4	
SQE 2 - 85	PSM174	0,98	6,0		109	108	105	99	89	74	54									1"¼	828	5,5	
SQE 2 - 100	PSM175	1,30	7,7		132	131	128	120	109	91	67									1"¼	864	6,2	
SQE 2 - 115	PSM176	1,50	8,9		155	154	150	142	129	108	79									1"¼	891	6,3	
SQE 3 - 30	PSM178	0,44	2,9		36			34	32	30	26	22								1"¼	747	4,8	
SQE 3 - 40	PSM179	0,63	4,0		56			53	50	47	42	36								1"¼	747	4,8	
SQE 3 - 55	PSM180	0,83	5,1	74			70	67	63	56	48								1"¼	774	5,4		
SQE 3 - 65	PSM185	1,02	6,2	92			87	83	78	70	60								1"¼	828	5,5		
SQE 3 - 80	PSM186	1,23	7,4	110			105	100	94	85	73								1"¼	864	6,1		
SQE 3 - 95	PSM187	1,43	8,4	129			123	117	109	99	85								1"¼	891	6,3		
SQE 3 - 105	PSM188	1,63	9,7	147			140	134	125	113	97								1"¼	945	6,4		
SQE 5 - 15	PSM159	0,26	1,9	18						15	14	13	11	7					1"½	747	4,7		
SQE 5 - 25	PSM160	0,54	3,4	36						31	29	28	24	18					1"½	747	4,8		
SQE 5 - 35	PSM161	0,80	4,9	54						46	44	42	36	28					1"½	864	5,5		
SQE 5 - 50	PSM162	1,06	6,5	71						62	59	56	49	38					1"½	864	5,5		
SQE 5 - 60	PSM165	1,33	7,9	89						77	74	70	61	48					1"½	945	6,4		
SQE 5 - 70	PSM166	1,60	9,5	106						93	89	85	73	58					1"½	945	6,4		
SQE 7 - 15	PSM167	0,42	2,8	21							17	16	14	12	9	6	2		1"½	747	4,7		
SQE 7 - 30	PSM168	0,84	5,2	42							36	35	32	29	24	18	10		1"½	747	5,2		
SQE 7 - 40	PSM169	1,27	7,6	64							56	54	50	45	38	29	19		1"½	864	6,1		

Note: the hydraulic characteristics of the SQ series pumps are identical to the SQE series and therefore can be seen from the table above

> 4 (A - B - D - E) Series Vertical Axis, Submersible

PERFORMANCE TABLE

Code			m ³ /h	0	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7	3	3,6	4,2	4,8	5,4	6	6,6
			l/m	0	10	15	20	25	30	35	40	45	50	60	70	80	90	100	110
S. phase	T. phase	Type	l/sec	0	0,17	0,25	0,33	0,42	0,50	0,58	0,67	0,75	0,83	1,00	1,17	1,33	1,50	1,67	1,83
PSSM050	PSST050	4A 005 N09	mH2O	63		55	50	43	35	26	15								
PSSM051	PSST051	4A 007 N14		90		80	72	62	51	37	20								
PSSM052	PSST052	4A 010 N18		124		109	99	86	70	50	28								
PSSM053	PSST053	4A 015 N28		181		159	144	125	101	73	41								
PSSM054	PSST054	4A 020 N38		237		209	189	163	133	96	54								
PSSM055	PSST055	4A 030 N57		356		313	283	245	199	144	81								
PSSM060	PSST060	4B 005 N07		47				39	36	33	28	23	18	12					
PSSM061	PSST061	4B 007 N11		70				59	54	49	43	35	27	17					
PSSM062	PSST062	4B 010 N15		96				80	74	67	58	48	37	24					
PSSM063	PSST063	4B 015 N22		140				117	107	96	83	68	50	30					
PSSM064	PSST064	4B 020 N30		187				155	142	126	109	87	64	38					
PSSM065	PSST065	4B 030 N44		274				227	208	185	159	128	94	56					
	PSST066	4B 040 N60		373				310	284	253	217	175	128	76					
PSSM010	PSST010	4D 005 N05		33								27	26	23	18	13			
PSSM011	PSST011	4D 007 N07		46								38	36	32	25	18			
PSSM012	PSST012	4D 010 N10		65								55	52	45	36	25			
PSSM013	PSST013	4D 015 N15		97								80	76	65	52	36			
PSSM014	PSST014	4D 020 N20		129								106	101	87	69	48			
PSSM015	PSST015	4D 030 N30		193								160	151	130	103	71			
	PSST016	4D 040 N40		257								209	198	170	134	90			
	PSST017	4D 055 N54		346								282	267	229	181	122			
PSSM030	PSST040	4E 005 N04		27										22	20	17	13	9	5
PSSM031	PSST041	4E 007 N06		41										33	30	25	20	14	8
PSSM032	PSST042	4E 010 N08		54										44	40	33	26	19	11
PSSM033	PSST043	4E 015 N12		82										67	60	50	39	28	16
PSSM034	PSST044	4E 020 N16		109										89	79	67	53	38	22
PSSM035	PSST045	4E 030 N24		163										133	119	100	79	56	32
	PSST046	4E 040 N32		218										178	159	134	105	75	43
	PSST047	4E 055 N44		299										245	218	184	145	103	59

Tolerance limits in compliance with the ISO 9906 ann.A gr.2

> 4 (F - H - L) Series Vertical Axis, Submersible

PERFORMANCE TABLE

Code			m ³ /h	0	4,8	5,4	6	6,6	7,5	9	10,5	12	13,5	15	16,5	18	19,5	21	22,5	24
			l/m	0	80	90	100	110	125	150	175	200	225	250	275	300	325	350	375	400
S. ph.	T. ph.	Type	l/sec	0	1,33	1,50	1,67	1,83	2,08	2,50	2,92	3,33	3,75	4,17	4,58	5,00	5,42	5,83	6,25	6,67
PSSM020	PSST020	4F 010 N06	mH2O	40	30	29	28	26	22	16	8									
PSSM021	PSST021	4F 015 N09		60	46	44	41	39	34	23	11									
PSSM022	PSST022	4F 020 N12		77	60	58	55	52	45	31	15									
PSSM023	PSST023	4F 030 N18		116	91	87	83	77	67	46	22									
	PSST024	4F 040 N24		154	121	115	110	103	89	62	30									
	PSST025	4F 055 N34		210	166	159	150	140	122	84	36									
	PSST026	4F 075 N45		266	215	203	190	176	152	102	43									
	PSST027	4F 100 N60		370	294	280	265	248	215	148	64									
PSSM070	PSST030	4H 015 N06		39			34	33	32	28	24	18	12							
PSSM071	PSST031	4H 020 N08		52			45	44	43	38	32	24	16							
PSSM072	PSST032	4H 030 N12		78			68	67	64	57	48	37	23							
	PSST033	4H 040 N16		104			91	89	86	76	64	49	31							
	PSST034	4H 055 N22		144			125	123	121	108	92	69	44							
	PSST035	4H 075 N30		197			171	168	164	146	124	94	60							
	PSST036	4H 100 N39		262			228	224	219	195	166	126	80							
PSSM080	PSST080	4L 020 N05		36					28	26	23	21	18	16	13	11	8	4	1	
PSSM081	PSST081	4L 030 N07		50					40	36	33	29	25	22	19	15	11	6	1	
	PSST082	4L 040 N10		72					57	51	47	42	35	32	27	21	15	9	2	
	PSST083	4L 055 N14		101					79	71	65	59	49	45	37	29	21	12	3	
	PSST084	4L 075 N19		137					107	96	88	80	67	61	50	40	29	17	4	
	PSST085	4L 100 N25		180					142	127	116	105	88	80	66	53	38	22	5	

Tolerance limits in compliance with the ISO 9906 ann.A gr.2

> Submersible electric pumps Ø 5"

PERFORMANCE TABLE

Type	Nominal power		M. ph. 230 V		T. ph. 400 V	FLOW-RATE																	Delivery Ø	Pump and motor unit		
						m³/h	0,6	1,2	1,5	1,8	2,4	3,0	3,6	4,2	4,5	4,8	6,0	7,5	9,0	10,5	12,0	H		Wei.		
	Hp	Kw	A	µF	A	l/m	10	20	25	30	40	50	60	70	75	80	100	125	150	175	200	mm		kg		
SC 007 N03	0,75	0,55	4,6	16	1,7	mH2O	35	33	32	30	26	22	18	14	12	9						1"¼	420	10,0		
SC 010 N04	1,00	0,75	5,9	20	2,4		50	45	43	41	35	30	25	18	14	11							477	11,5		
SC 015 N06	1,50	1,10	7,8	25	3,3		72	67	64	60	52	45	35	26	21	16							544	13,0		
SC 020 N08	2,00	1,50	10,7	35	4,9		96	90	88	85	70	60	47	35	28	21							640	16,1		
SF 010 N02	1,00	0,75	6,2	20	2,5	mH2O						28	27	26,5	26	25	24,5	24	23	22	20	16	13	10	520	12,1
SF 015 N03	1,50	1,10	8,1	25	3,5							40	39	38,5	38	37	36	35	33	32	28	24	20	15	580	13,5
SF 020 N04	2,00	1,50	10,8	35	4,9							55	54	52	51	50	49	48	46	44	39	34	28	20	640	16,0

> 6 (B - D - E - F) Series Vertical Axis, Submersible

PERFORMANCE TABLE

Code	Type	m³/h	0	6	7,5	9	10,5	12	13,5	15	16,5	18	21	24	27	30	33	36	39						
		l/m	0	100	125	150	175	200	225	250	275	300	350	400	450	500	550	600	650						
		l/sec	0	1,67	2,08	2,50	2,92	3,33	3,75	4,17	4,58	5,00	5,83	6,67	7,50	8,33	9,17	10,0	10,8						
PSST1000	6B 030 N05/4	mH2O	78	67	63	58	53	46	37	27	16														
PSST1001	6B 040 N06/4		94	80	76	70	63	55	44	32	19														
PSST1006	6B 040 N07/4		109	94	89	82	74	64	52	38	22														
PSST1003	6B 055 N08/4		125	107	101	93	84	73	59	43	25														
PSST1004	6B 055 N09/4		140	121	114	105	95	82	67	48	28														
PSST1005	6B 075 N12/4		196	161	152	140	127	109	89	65	37														
PSST1100	6B 075 N12		187	161	152	140	127	109	89	65	37														
PSST1101	6B 100 N16		250	214	202	187	169	146	118	86	50														
PSST1102	6B 125 N18		281	241	228	210	190	164	133	97	56														
PSST1103	6B 125 N21		328	281	266	245	222	192	155	113	65														
PSST1104	6B 150 N24		374	322	304	280	253	219	178	129	74														
PSST1106	6B 200 N32 SD		499	429	405	374	338	292	237	172	99														
PSST1107	6B 250 N40 SD		624	536	506	467	422	365	296	215	124														
PSST1108	6B 300 N48 SD		749	643	607	561	506	438	355	258	149														
PSST1011	6D 040 N05/4	mH2O	79	75	74	71	68	64	58	52	45	37	15												
PSST1012	6D 055 N06/4		94	90	88	86	81	76	70	63	54	44	17												
PSST1013	6D 075 N07/4		110	106	103	100	95	89	82	73	63	51	20												
PSST1110	6D 075 N07		126	121	118	114	109	102	93	83	72	58	23												
PSST1014	6D 075 N08/4		125				115			102			85	70	59										
PSST1111	6D 075 N08		141	136	133	128	122	115	105	94	81	66	26												
PSST1015	6D 075 N09/4		140				129			115			95	79	67										
PSST1112	6D075N09		140				134	129			115			95	80	67									
PSST1113	6D 100 N12		188	181	177	171	163	153	140	125	108	88	35												
PSST1114	6D125 N15		236	226	221	214	204	191	175	156	135	110	44												
PSST1115	6D 150 N18		283	271	265	257	244	229	210	188	162	131	52												
PSST1116	6D 175 N21		330	317	309	299	285	267	245	219	189	153	61												
PSST1117	6D 200 N24		377	362	354	342	326	306	280	250	216	175	70												
PSST1118	6D 250 N30		471	452	442	428	407	382	350	313	269	219	87												
PSST1119	6D 300 N35 SD		550	528	516	499	475	446	408	365	314	256	102												
PSST1120	6D 400 N45 SD		707	679	663	641	611	573	524	469	404	329	131												
PSST1020	6E 020 N02	mH2O	28						25	24	24	23	22	21	20	18	15	13	10	7	4				
PSST1021	6E 030 N03		42						38	37	35	34	33	32	30	27	23	19	15	10	5				
PSST1030	6F 040 N03		46						41	40	39	38	36	35	32	29	25	21	16	10	4				
PSST1031	6F 050 N04		61						54	53	52	50	49	47	43	39	33	27	21	13	5				
PSST1032	6F 075 N06/4		91						81	81		77	74	72		60		44		23					
PSST1125	6F 075 N06		92						81	79	77	75	73	70	65	58	50	41	31	20	8				
PSST1126	6F 100 N08		122						108	106	103	100	97	94	86	77	67	55	42	27	11				
PSST1127	6F 0125 N10		153						136	132	129	125	121	117	108	97	84	69	52	34	14				
PSST1128	6F 150 N12		184						163	159	155	150	146	141	129	116	100	82	63	40	16				
PSST1129	6F 175 N014		214						190	185	180	175	170	164	151	135	117	96	73	47	19				
PSST1130	6F 200 N16		245						217	212	206	200	194	187	172	154	134	110	83	54	22				
PSST1131	6F 250 N20		306						271	264	258	251	243	234	215	193	167	137	104	67	27				
PSST1132	6F 300 N024		367						325	317	309	301	291	281	258	232	200	164	125	81	32				
PSST1133	6SD 350 N28 SD		428						379	370	361	351	340	328	301	270	234	192	146	94	38				
PSST1134	6SD 400 N32 SD		490						434	423	412	401	388	375	344	309	267	219	167	108	43				
PSST1135	6D 500 N40 SD		612						542	529	515	501	486	468	430	386	334	274	208	134	54				

Tolerance limits in compliance with the ISO 9906 ann.A gr.2

> 6 (H - I - L) Series Vertical Axis, Submersible

PERFORMANCE TABLE

Code	Type	m ³ /h	0	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66
		l/m	0	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1.000	1.050	1.100
		l/sec	0	5,0	5,8	6,7	7,5	8,3	9,2	10,0	10,8	11,7	12,5	13,3	14,2	15,0	15,8	16,7	17,5	18,3
PSST1040	6H 040 N02/4	mH2O	31	28	27	26	25	23	21	19	16	13	10	7	3					
PSST1041	6H 055 N03/4		47	42	40	39	37	35	32	28	24	20	15	10	4					
PSST1042	6H 075 N04/4		63	57		53		47		40		29		14						
PSST1140	6H 075 N04/4		62	55	54	52	49	46	42	38	32	26	20	13	6					
PSST1141	6H 100 N05		78	69	67	65	62	58	53	47	40	33	25	17	7					
PSST1142	6H 125 N06		93	83	81	78	74	70	64	57	48	39	30	20	8					
PSST1143	6H 150 N08		124	111	108	104	99	93	85	76	65	53	40	26	11					
PSST1144	6H 175 N09		140	125	121	117	111	104	96	85	73	59	45	30	13					
PSST1145	6H 200 N10		155	139	135	130	124	116	106	95	81	66	50	33	14					
PSST1146	6H 255 N13		202	180	175	169	161	151	138	123	105	86	64	43	18					
PSST1147	6H 300 N16		248	222	216	208	198	186	170	151	129	105	79	53	22					
PSST1148	6H 350 N19		295	264	256	246	235	220	202	180	154	125	94	63	27					
PSST1149	6H 400 N22		341	305	296	285	272	255	234	208	178	145	109	73	31					
PSST1150	6H 500 N27 SD		419	374	364	350	334	313	287	255	218	178	134	89	38					
PSST1050	6I 030 N12		22	19	18	17	16	15	13	12	11	9	8	7	5	3				
PSST1161	6L 100 N04		52		48	47	45	42	39	36	33	31	28	26	24	21	18	14	9	4
PSST1162	6L 125 N06		77		71	70	68	63	58	54	50	46	43	39	36	32	27	21	14	6
PSST1163	6L 150 N07		90		83	82	79	74	68	63	58	54	50	46	42	37	32	25	16	7
PSST1164	6L 175 N08		103		95	93	90	84	78	72	66	61	57	53	48	43	36	28	18	8
PSST1165	6L 200 N09		116		107	105	101	95	88	81	75	69	64	59	54	48	41	32	21	9
PSST1166	6L250 N12		155		143	140	135	126	117	107	99	92	85	79	72	64	54	42	28	12
PSST1167	6L 300 N 14		181		167	163	158	147	136	125	116	108	100	92	84	74	63	49	32	14
PSST1168	6L 350 N017		219		202	198	191	179	165	152	141	131	121	112	102	90	77	60	39	17
PSST1169	6L 400 N019		245		226	221	214	200	185	170	157	146	135	125	114	101	86	67	44	19
PSST1170	6L 500 N24/S		310		286	280	270	252	234	215	199	184	171	158	144	128	108	84	55	24

Tolerance limits in compliance with the ISO 9906 ann.A gr.2

> Semi-axial Series 140

PERFORMANCE TABLE

Type	Code	Nominal power		V 400	FLOW-RATE						Delivery	Pump and motor unit		
					m³/h	0,0	36,0	48,0	60,0	72,0		84,0	Len. H	Wei.
		l/m	0	600	800	1.000	1.200	1.400						
		l/sec	0,0	10,00	13,33	16,67	20,00	23,33	mm	Kg				
140SEC66/03	PSSTG112	5,5	7,5	12,5	mH2O	42	31	28	25	21	14	DN 3" GAS	1.259	20
140SEC66/04	PSSTG100	7,5	10,0	17,5		55	41	38	34	28	18		1.369	25
140SEC66/05	PSSTG101	9,2	12,5	21,0		69	51	47	42	35	23		1.526	30
140SEC66/06	PSSTG102	11,0	15,0	24,5		83	62	57	51	42	27		1.693	35
140SEC66/07	PSSTG103	13,0	17,5	28,0		97	72	66	59	49	32		1.830	40
140SEC66/08	PSSTG104	15,0	20,0	32,0		111	82	75	67	56	37		2.027	45
140SEC66/09	PSSTG105	18,5	25,0	40,0		125	93	85	76	63	41		2.194	50
140SEC66/10	PSSTG106	18,5	25,0	40,0		139	103	94	84	70	46		2.301	55
140SEC66/11	PSSTG107	22,0	30,0	47,5		152	113	104	93	77	50		2.488	60
140SEC66/12	PSSTG108	26,0	35,0	55,0		166	123	113	101	84	55		2.705	65
140SEC66/13	PSSTG109	26,0	35,0	55,0		180	134	122	109	91	59		2.812	70
140SEC66/15	PSSTG110	30,0	40,0	62,5		208	154	141	126	105	69		3.096	80
140SEC66/18	PSSTG111	37,0	50,0	78,0		249	185	170	152	126	82		3.507	95
140SEC66/19	PSSTG113	37,0	50,0	78,0		247	186	167	148	108	38		3.667	93
140SEC66/20	PSSTG114	37,0	50,0	78,0		260	196	176	156	114	40		3.774	97
140SEC66/21	PSSTG115	37,0	50,0	78,0		273	206	185	164	120	42		3.881	102

> Semi-axial Series 180

PERFORMANCE TABLE

Type	Code	Nominal power		V 400	FLOW-RATE								Delivery	Pump and motor unit	
					m³/h	0,0	36,0	48,0	60,0	72,0	84,0	96,0		Len. H	Wei.
		kW	HP		l/m	0	600	800	1.000	1.200	1.400	1.600		mm	Kg
				A	l/sec	0,0	10,0	13,33	16,67	20,0	23,33	26,67			
180SEC78/02	PSSTG400	11,0	15,0	24,5	mH2O	53	45	43	41	37	31	25	DN 5" GAS	1.401	25
180SEC78/03	PSSTG401	15,0	20,0	32,0		80	68	65	62	56	47	38		1.646	32
180SEC78/04	PSSTG402	22,0	30,0	47,5		106	90	86	82	74	62	50		1.911	40
180SEC78/05	PSSTG403	26,0	35,0	55,0		133	113	108	103	93	78	63		2.148	47
180SEC78/06	PSSTG404	30,0	40,0	62,5		159	135	129	123	111	93	75		2.341	55
180SEC78/07	PSSTG405	37,0	50,0	78,0		186	158	151	144	130	109	88		2.556	61
180SEC78/08	PSSTG406	44,0	60,0	92,0		212	180	172	164	148	124	100		2.650	68
180SEC78/10	PSSTG408	55,0	75,0	113,5		265	225	215	205	185	155	125		3.050	85
180SEC78/13	PSSTG410	66,0	90,0	134,5		345	293	280	267	241	202	163		3.575	107
180SEC78/14	PSSTG411	75,0	100,0	149,5		371	315	301	287	259	217	175		3.800	115

PERFORMANCE TABLE

Type	Code	Nominal power		V 400	m³/h	0	48	60	72,0	84	96	10 8	120
						0	800	1.000	1.200	1.400	1.600	1.800	2.000
		kW	HP	A	l/m	0	13,33	16,67	20	23,33	26,67	30	33,33
					l/sec	0	13,33	16,67	20	23,33	26,67	30	33,33
180SEC90/1	PSSTG420	7,5	10	17,5	mH2O	28	23	22	21	19	17	15	12
180SEC90/2DR 10	PSSTG421	9	12,5	21		48	40	38	36	33	30	25	21
180SEC90/2DR 5	PSSTG422	11	15	24,5		51	43	41	38	35	32	27	22
180SEC90/2	PSSTG423	13	17,5	28		55	46	44	41	38	34	29	24
180SEC90/3DR 10	PSSTG424	15	20	32		72	60	57	53	50	44	38	31
180SEC90/3	PSSTG425	19	25	40		83	69	66	62	57	51	44	36
180SEC90/4 DR 5	PSSTG426	22	30	47,5		102	86	82	76	71	63	54	45
180SEC90/4	PSSTG427	26	35	55		110	92	88	82	76	68	58	48
180SEC90/5	PSSTG428	30	40	62,5		138	115	110	103	95	85	73	60
180SEC90/6	PSSTG429	37	50	78		165	138	132	123	114	102	87	72
180SEC90/7	PSSTG430	44	60	92		193	161	154	144	133	119	102	84
180SEC90/8	PSSTG431	55	75	113,5		220	184	176	164	152	136	116	96
180SEC90/9	PSSTG432	55	75	113,5		248	207	198	185	171	153	131	108
180SEC90/10	PSSTG433	66	90	134,5		275	230	220	205	190	170	145	120
180SEC90/11	PSSTG434	66	90	134,5		303	253	242	226	209	187	160	132
180SEC90/12	PSSTG435	75	100	149,5		330	276	264	246	228	204	174	144
180SEC90/13	PSSTG436	75	100	149,5		358	299	286	267	247	221	189	156
180SEC90/14	PSSTG437	92	125	185		385	322	308	287	266	238	203	168
180SEC90/15	PSSTG438	92	125	185		413	345	330	308	285	255	218	180

PERFORMANCE TABLE

Type	Code	Nominal power		V 400	m³/h	0	60	72	84	96	108	120	132	144
						0	1.000	1.200	1.400	1.600	1.800	2.000	2.200	2.400
		kW	HP	A	l/m	0	16,67	20	23,33	26,67	30	33,33	36,67	40
					l/sec	0	16,67	20	23,33	26,67	30	33,33	36,67	40
180SEC102/1	PSSTG440	7,50	10	17,5	mH2O	25	21	20	20	18	17	16	14	12
180SEC102/2DR10	PSSTG441	11	15	24,5		43	36	34	34	31	29	27	23	21
180SEC102/2DR5	PSSTG442	13	17,5	28		47	39	37	36	33	32	29	25	22
180SEC102/2	PSSTG443	15	20	32		50	42	40	39	36	34	31	27	24
180SEC102/3DR5	PSSTG444	18,50	25	40		70	59	56	54	50	47	43	38	34
180SEC102/3	PSSTG445	22	30	47,5		75	63	60	59	54	51	47	41	36
180SEC102/4DR5	PSSTG446	26	35	55		93	78	74	72	67	63	58	50	45
180SEC102/4	PSSTG447	30	40	62,5		100	84	80	78	72	68	62	54	48
180SEC102/5	PSSTG448	37	50	78		125	105	100	98	90	85	78	68	60
180SEC102/6	PSSTG449	44	60	92		150	126	120	117	108	102	93	81	72
180SEC102/7	PSSTG450	55	75	113,5		175	147	140	137	126	119	109	95	84
180SEC102/8	PSSTG451	55	75	113,5		200	168	160	156	144	136	124	108	96
180SEC102/9	PSSTG452	66	90	134,5		225	189	180	176	162	153	140	122	108
180SEC102/10	PSSTG453	75	100	149,5		250	210	200	195	180	170	155	135	120
180SEC102/11	PSSTG454	75	100	149,5		275	231	220	215	198	187	171	149	132
180SEC102/12	PSSTG455	92	125	185		300	252	240	234	216	204	186	162	144
180SEC102/13	PSSTG456	92	125	185		325	273	260	254	234	221	202	176	156

Pumps

> NM - Threaded

Model	P ₂		Q	m ³ /h l/m	1,0	1,2	1,5	1,9	2,4	3,0	3,6	4,2	4,8	5,4	6,0	6,6	7,5	8,4
	kW	HP			16,0	20,0	25,0	31,5	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	125,0	140,0
NM 1/A/E*	0,37	0,5	mH2O	22,0	21,6	21,3	20,9	20,3	19,4	18,1	16,3							
NM 2/A/B*	0,75	1		33,5	33,0	32,5	32,0	31,5	30,5	29,5	28,5	27,0	26,0	24,0				
NM 3/C/A	1,1	1,5		37,5	37,5	37,5	37,0	36,5	36,0	35,0	34,0	32,0	30,5	28,5				
NM 3/B/A	1,5	2		47,0	47,0	46,5	46,0	45,5	45,0	44,0	43,0	41,5	40,0	37,5	33,0	26,0		

*Also with single phase motor = NMM - P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012
Test results with cold and clean water, without gas

> NMD - Threaded

Model	P ₂		Q	m ³ /h l/m	1,0	1,2	1,5	1,9	2,4	3,0	3,6	4,2	4,8	5,4	6,0
	kW	HP			16,0	20,0	25,0	31,5	40,0	50,0	60,0	70,0	80,0	90,0	100,0
NMD 20/110A/B*	0,75	1	mH2O	43,0	42,0	40,5	39,0	36,5	33,0	29,0	25,0				
NMD 20/140B/A	1,1	1,5		53,0	52,5	52,0	51,0	50,0	48,0	46,0	43,5	40,0			
NMD 20/140A/A	1,5	2		67,0	66,5	66,0	64,5	63,0	61,5	59,0	57,0	53,5	50,0	46,0	

Model	P ₂		Q	m ³ /h l/m	7,5	8,4	9,6	10,8	12,0	13,2	15,0	16,8	18,9	21,0	24,0
	kW	HP			125	140	160	180	200	220	250	280	315	350	400
NMD 40/180D/B	4	5,5	mH2O	60,0	59,5	57,0	56,0	53,0	51,5	48,0	44,0	39,0	34,0**	25,0**	
NMD 40/180C/A	5,5	7,5		69,0	68,0	67,0	66,0	64,5	63,0	60,0	57,0	53,0	48,0**	40,0**	
NMD 40/180B/A	7,5	10		87,0	86,0	85,0	84,0	82,5	81,0	78,0	75,0	71,0	66,0**	59,0**	
NMD 40/180A/B	9,2	12,5		94,0	93,0	92,0	91,0	89,5	88,0	85,0	82,0	78,0	74,0**	67,0**	

*Also with single phase motor = NMDM - **Maximum manometric suction height 1-2 m - P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012
Test results with cold and clean water, without gas

> NM - Three Phase - Flanged

NM 32	P ₂		Q	m ³ /h l/m	6,6	7,5	8,4	9,6	10,8	12,0	13,2	15,0	16,8	18,9	21,0	24,0			
	kW	HP			110	125	140	160	180	200	220	250	280	315	350	400			
NM 32/12S/A	1,5	2	mH2O		23,5	23,5	23,0	22,5	22,0	21,5	21,0	20,5	19,0	18,5	16,5	13,0			
NM 32/16A/B	2,2	3			35,5	35,5	35,0	34,5	34,0	33,5	33,0	32,0*	30,0*						
NM 32/20C/A	3	4			45,0	44,5	44,0	43,5	42,5	41,0	40,0	38,0	36,0						
NM 32/20A/B	4	5,5			57,5	57,0	56,0	55,5	55,0	54,5	53,5	51,5	49,0						
NM 40	P ₂		Q	m ³ /h l/m	15,0	16,8	18,9	21,0	24,0	27,0	30,0	33,0	37,8	39,0	42,0	45,0	48,0		
	kW	HP			250	280	315	350	400	450	500	550	630	650	700	750	800		
NM 40/12A/C	2,2	3	mH2O		22,0	22,0	21,5	21,0	20,0	19,0	18,0	16,5	14,0	13,0	11,5				
NM 40/16C/C	2,2	3			23,0	22,5	22,0	21,5	20,0	18,5	16,5	14,5	11,0	10,0					
NM 40/16B/B	3	4			29,0	28,8	28,0	27,5	26,5	25,0	23,5	21,5	18,0	17,0	14,0				
NM 40/16A/C	4	5,5			37,0	36,5	36,5	36,0	35,0	33,5	32,0	30,5	27,0	26,0	23,5	20,0	17,0		
NM 40/20D/C	4	5,5			39,0	38,0	37,0	35,5	33,5	30,5	27,0	22,5	14,0						
NM 40/20C/C	4	5,5			41,5	40,5	39,5	38,0	36,0	33,5									
NM 40/20B/A	5,5	7,5			50,0	49,5	48,5	47,5	45,5	43,5	41,5	37,5	30,5						
NM 40/20A/A	7,5	10			57,5	57,0	56,5	55,5	54,5	52,5	50,5	48,0	42,5	40,5	35,0				
NM 50	P ₂		Q	m ³ /h l/m	24,0	27,0	30,0	33,0	37,8	42,0	48,0	54,0	60,0	66,0	69,0	72,0	75,0	78,0	81,0
	kW	HP			400	450	500	550	630	700	800	900	1.000	1.100	1.150	1.200	1.250	1.300	1.350
NM 50/16B/B	5,5	7,5	mH2O				31,0	30,5	29,5	28,0	26,0	24,0	21,5	19,0	17,5	15,5	13,5	11,5	9,5
NM 50/16A/B	7,5	10					38,5	38,0	37,5	36,5	34,5	32,5	30,0	27,0	25,5	24,0	22,5	20,5	19,0
NM 50/20B/C	9,2	12,5			48,0	47,5	47,5	47,0	45,5	44,5	42,5	40,0	37,0	33,0	30,5	28,0	25,5	23,0	
NM 50/20A/C	11	15			55,0	55,0	54,5	54,5	53,5	52,0	50,0	48,0	45,0	41,5	39,5	37,0	35,0	32,5	
NM 50/20S/C	15	20			60,0	60,0	59,5	59,5	58,5	57,5	55,5	53,5	50,5	47,0	45,0	43,0	40,5	37,0	
NM 50/25C/C	11	15			55,0	54,5	54,0	53,0	51,5	49,5	46,0	41,5	35,5	28,5	24,5				
NM 50/25B/C	15	20			69,0	68,5	68,0	67,5	66,0	64,0	61,0	57,0	52,5	46,5	43,0				
NM 50/25A/C	18,5	25			80,5	80,5	80,0	79,5	78,5	77,0	74,5	71,5	67,0	61,5	58,5				
NM 65	P ₂		Q	m ³ /h l/m	37,8	42,0	48,0	54,0	60,0	66,0	75,0	84,0	96,0	108,0	120,0	132,0	141,0		
	kW	HP			630	700	800	900	1.000	1.100	1.250	1.400	1.600	1.800	2.000	2.200	2.350		
NM 65/12E/C	4	5,5	mH2O		16,5	16,4	16,2	15,9	15,5	15,1	14,3	13,2	11,4	9,2					
NM 65/12C/B	5	7,5			21,1	21,0	20,8	20,6	20,3	19,9	19,1	18,2	16,5	14,4	11,8				
NM 65/12A/B	7,5	10			25,9	25,8	25,6	25,4	25,1	24,8	24,1	23,3	21,9	20,0	17,6				
NM 65/16D/B	7,5	10					24,3	24,1	23,9	23,6	23,1	22,3	20,8	18,8	16,3				
NM 65/16B/C	11	15					32,6	32,5	32,3	32,0	31,5	30,8	29,5	27,9	25,7	23,0			
NM 65/16A/C	15	20					40,5	40,4	40,2	40,0	39,5	38,8	37,6	36,1	34,2	31,7			
NM 65/20C/C	15	20					44,0	43,8	43,5	43,1	42,3	41,2	39,4	37,1	34,4	31,4	28,8		
NM 65/20B/C	18,5	25					50,5	50,4	50,2	49,9	49,2	48,3	46,8	44,8	42,5	39,8	37,5		

*Maximum manometric suction height 1-2 m - P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012

Test results with cold and clean water, without gas

> MXV-B - Three Phase - Threaded

MXV-B 25	A		P ₂		Q	m ³ /h l/m	0	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5		
	230V	400V	kW	HP			0	17	25	33	42	50	58	67	75		
MXV-B 25-204	4	2,3	0,75	1	mH2O		44,0	42,5	40,0	37,5	34,5	31,0	27,0	22,5	17,0		
MXV-B 25-207/A	4,7	2,7	1,1	1,5			79,5	74,0	70,5	65,5	60,0	54,5	47,5	39,5	30,0		
MXV-B 25-210/A	7,5	4,3	1,5	2			114,0	106,0	101,0	94,0	86,0	78,0	68,0	57,0	42,0		
MXV-B 32	A		P ₂		Q	m ³ /h l/m	0	2,5	3,0	3,5	4,0	4,5	5,0	6,0	7,0	8,0	
	230V	400V	kW	HP			0	42	50	58	67	75	83	100	117	133	
MXV-B 32-405/A	4,7	2,7	1,1	1,5	mH2O		56,0	51,5	50,0	48,0	46,0	43,5	41,0	34,5	27,5	18,5	
MXV-B 32-407/A	7,5	4,3	1,5	2			79,5	72,5	70,5	68,0	65,0	61,5	58,0	49,0	39,0	26,5	
MXV-B 32-410/B	9,15	5,3	2,2	3			114,0	104,0	101,0	97,5	93,0	88,0	83,0	70,0	56,0	38,0	
MXV-B 40	A		P ₂		Q	m ³ /h l/m	0	5,0	6,0	7,0	8,0	9,0	10,0	11,0	12,0	13,0	
	230V	400V	kW	HP			0	83	100	117	133	150	167	183	200	217	
MXV-B 40-803/A	4,7	2,7	1,1	1,5	mH2O		35,5	32,5	31,5	31,0	29,5	28,0	25,5	22,5	19,5	15,5	
MXV-B 40-804/A	7,5	4,3	1,5	2			47,0	43,0	42,0	41,0	40,0	37,0	34,0	30,0	26,0	21,0	
MXV-B 40-806/B	9,15	5,3	2,2	3			71,0	65,0	63,0	62,0	59,0	56,0	51,0	45,0	39,0	31,0	
MXV-B 40-808/A	11,5	6,6	3	4			95,0	87,0	85,0	82,0	79,0	75,0	69,0	60,0	51,0	42,0	
MXV-B 40-810/B		9,6	3,7	5			119,0	109,0	106,0	103,0	99,0	94,0	86,0	75,0	64,0	52,0	

P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012

Test results with cold and clean water, without gas

Pumps

> MXH - Threaded

T. phase	A		Single phase	P ₁		P ₂		Q	m ³ /h l/m	0	2,3	3,0	3,5	4,0	4,5	5,0	6,0	7,0	8,0
	230V	400V		A	kW	kW	HP			0	38	50	58	67	75	83	100	116	133
MXH 402E	2,4	1,4	MXHM 402E	3	0,65	0,45	0,6	mH20		22,5	20,0	19,0	18,5	17,5	16,0	15,0	12,5	9,5	6,0
MXH 403/A	2,8	1,6	MXHM 403/A	4,2	0,9	0,55	0,75			33,0	30,0	29,0	27,5	26,0	24,5	23,0	19,5	15,0	9,5
MXH 404/B	3,5	2	MXHM 404/A	5,4	1,2	0,75	1			44,5	40,5	38,0	36,5	35,0	33,0	31,0	26,0	20,0	12,5
MXH 405/C	4,7	2,7	MXHM 405	7,4	1,5	1,1	1,5			56,5	52,0	50,0	47,5	45,5	43,0	40,0	33,5	26,0	16,5
MXH 406/A	6,2	3,6	MXHM 406	9,2	2	1,5	2			68,5	63,0	60,0	58,0	56,0	53,5	51,0	44,0	35,0	23,0

P₁ Maximum absorbed power - P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012
Test results with cold and clean water, without gas

> MXP - Threaded

Three Phase	A		Single phase	P ₁		P ₂		Q	m ³ /h l/m	0	2,3	3,0	3,5	4,0	4,5	5,0	6,0	7,2
	230V	400V		A	kW	kW	HP			0	38	50	58	67	75	83	100	120
MXP 402	2,4	1,4	MXPM 402	3	0,61	0,45	0,6	mH20		22,0	19,0	17,5	16,5	15,0	14,0	12,5	9,5	5,0
MXP 403/A	2,8	1,6	MXPM 403/A	4,2	0,9	0,55	0,75			33,5	30,0	28,0	26,5	25,0	23,0	21,5	17,0	10,0
MXP 404/B	3,5	2	MXPM 404/A	5,4	1,2	0,75	1			46,0	40,0	38,0	36,5	34,0	32,0	29,5	24,0	16,0
MXP 405	4,5	2,6	MXPM 405	7	1,5	1,1	1,5			56,0	50,0	47,0	45,0	42,0	39,5	36,0	29,5	20,0

P₁ Maximum absorbed power - P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012
Test results with cold and clean water, without gas

> MGP - Threaded

Three Phase	A		Single phase	P ₁		P ₂		Q	m ³ /h l/m	0	2,3	3,0	3,5	4,0	4,5	5,0	6,0	7,2
	230V	400V		A	kW	kW	HP			0	38	50	58	67	75	83	100	120
MGP 402	2,4	1,4	MGPM 402	3	0,61	0,45	0,6	mH20		22	19,0	17,5	16,5	15,0	14,0	12,5	9,5	5,0
MGP 403	3	1,73	MGPM 403	3,5	0,85	0,55	0,75			32	27,5	25,5	23,7	22,0	20,0	18,0	13,3	7,0
MGP 404/A	3,5	2	MGPM 404	5,4	1,2	0,75	1			46	40,0	38,0	36,5	34,0	32,0	29,5	24,0	15,0
MGP 405	4,5	2,6	MGPM 405	7	1,5	1,1	1,5			56	50,0	47,0	45,0	42,5	39,5	36,0	29,0	19,0

P₁ Maximum absorbed power - P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012
Test results with cold and clean water, without gas

> NGX - Threaded

Three Phase	A		Single phase	P ₁		P ₂		Q	m ³ /h l/m	0	0,3	1,0	2,0	2,4	3,0	4,0	4,5			
	230V	400V		A	kW	kW	HP			0	5	17	33	40	50	67	75			
NGX 2	2,8	1,6	NGXM 2	3,3	0,7	0,45	0,6	mH20		45	40,0	30,0	20,5	18,0						
NGX 3/A	2,8	1,6	NGXM 3/A	4,2	0,9	0,55	0,75			53	48,0	39,0	30,0	27,0	22,0					
NGX 4/B	3,7	2,2	NGXM 4/A	5,4	1	0,75	1			42	40,0	36,0	30,5	28,0	25,0	21,0	19,5			
NGX 4/16	4,5	2,6	NGXM 4/16	7	1,6	1,1	1,5			57,5	54,0	47,3	40,0	37,5	34,0	28,5	26,0			

Three Phase	A		Single phase	P ₁		P ₂		Q	m ³ /h l/m	0	0,5	1,0	2,0	2,4	3,0	4,0	4,5	5,0	5,5	6,0
	230V	400V		A	kW	kW	HP			0	8	17	33	40	50	67	75	83	92	100
NGX 6/18/A	7,5	4,3	NGXM 6/18	9,2	2	1,5	2	mH20		58	54,7	51,5	46,0	44,0	41,3	37,0	34,7	32,5	30,5	28,5

P₁ Maximum absorbed power - P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012

> NGL - Threaded

Three Phase	A		Single phase	P ₁		P ₂		Q	m ³ /h l/m	0	0,3	1,0	2,0	2,3	2,8	3,5	4,0	4,5	4,8
	230V	400V		A	kW	kW	HP			0	5	17	33	38	47	58	67	75	80
NGL 2	2,8	1,6	NGLM 2	3,3	0,7	0,45	0,6	mH20		45,0	40,0	30,0	20,5	19,0					
NGL 3/A	2,8	1,6	NGLM 3/A	4,2	0,9	0,55	0,75			53,0	48,0	39,0	30,0	28,0	24,0				
NGL 3/13	3,7	2,2	NGLM 3/13	5,4	1	0,75	1			51,0	48,0	41,5	33,0	30,8	28,0	24,5			
NGL 4/B	3,7	2,2	NGLM 4/A	5,4	1	0,75	1			42,0	40,0	36,0	31,0	29,0	27,0	23,5	22,0	20,5	19,0

P₁ Maximum absorbed power - P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012

> GM10 - Submersible

Single phase	230V	Condenser		P ₁		P ₂		Q	m ³ /h l/m	0	3	6	9	12
	A	μF	V	kW	kW	HP				0	50	100	150	200
GM 10	1,75	6,3	450	0,4	0,3	0,4		mH20		7,5	6,5	5,2	3,7	2,2

P₁ Maximum absorbed power - P₂ Nominal motor power

> GXR - Submersible

Three Phase	A		Single phase	230V	Condenser		P ₁	P ₂		Q	m ³ /h	0	1,2	3,0	4,5	6,0	7,5	9,0	10,2	12,0	13,2
	230V	400V		A	μF	Vc	kW	kW	HP		l/m	0	20	50	75	100	125	150	170	200	220
GXR 9	1,6	0,9	GXR 9	2,5	8	450	0,5	0,25	0,33	mH2O	9,0	8,3	7,0	6,0	4,8	3,6	2,5	1,7			
GXR 11	2,3	1,3	GXR 11	3,5	12,5	450	0,7	0,37	0,5		11,0	10,4	9,5	8,5	7,5	6,5	5,3	4,2	2,2		
GXR 13	2,8	1,6	GXR 13	4,5	16	450	0,95	0,45	0,6		12,7	11,7	10,7	9,7	8,5	7,3	6,3	5,2	3,2	2,0	
Three Phase	A		Single phase	230V	Condenser		P ₁	P ₂		Q	m ³ /h	0,0	1,2	3,0	4,5	6,0	7,5	9,0	10,2	12,0	13,2
	230V	400V		A	μF	Vc	kW	kW	HP		l/m	0,0	20,0	50,0	75,0	100,0	125,0	150,0	170,0	200,0	220,0
GXV 25-6	1,6	0,9	GXVM 25-6	2,5	8	450	0,5	0,25	0,33	mH2O	6,0	5,7	5,2	4,5	3,8	3,0	2,2	1,5			
GXV 25-8	2,3	1,3	GXVM 25-8	3,5	12,5	450	0,7	0,37	0,5		8,2	7,8	7,2	6,7	6,1	5,4	4,5	3,6	2,2		
GXV 25-10	2,8	1,6	GXVM 25-10	4,5	16	450	0,95	0,45	0,6		10,0	9,5	8,7	8,0	7,3	6,5	5,7	4,9	3,7	2,6	

P₁ Maximum absorbed power - P₂ Nominal motor power
Density ρ = 1000 kg/m³ - Kinematic viscosity ν = max 20 mm²/sec

> GXR12 - Submersible

Three Phase	A		Single phase	230V		Condenser		P ₁	P ₂		Q	m ³ /h l/m	0	3,0	6,0	9,0	12,0	15,0	18,0	21,0	24,0	27,0	30,0
	230V	400V		A	μF	Vc	kW	kW	HP	0			50	100	150	200	250	300	350	400	450	500	
GXR 12-10	2,6	1,5	GXR 12-10	4	12,5	450	0,85	0,45	0,6	mH2O	9,3	9,0	8,3	7,5	6,3	5,0	3,3						
GXR 12-12	3,3	1,9	GXR 12-12	5,2	16	450	1,1	0,55	0,75		12,0	11,3	10,6	9,6	8,5	7,2	5,6	3,7					
GXR 12-14	3,8	2,2	GXR 12-14	6	20	450	1,3	0,75	1		13,5	13,0	12,2	11,4	10,4	9,0	7,5	5,6	3,3				
GXR 12-16	4,8	2,8	GXR 12-16	7,4	25	450	1,6	0,9	1,2		15,5	14,7	14,0	13,2	12,2	11,0	9,4	7,5	5,4	3,2			
GXR 12-18	5,8	3,3	GXR 12-18	9,5	30	450	2	1,1	1,5		17,0	16,3	15,5	14,6	13,5	12,3	10,8	9,2	7,3	5,2	3,0		
GXR 12-20	6,9	4	GXR 12-20	13	35	450	2,2	1,5	2		19,2	18,4	17,5	16,5	15,5	14,2	12,8	11,2	9,3	7,2	4,7		

P₁ Maximum absorbed power - P₂ Nominal motor power
Density ρ = 1000 kg/m³ - Kinematic viscosity ν = max 20 mm²/sec

> GQR10 - Submersible - Threaded

Three Phase	A		Q	m³/h l/m	0	3	6	9	12	15	18	21	24	27	30
	230V	400V			0	50	100	150	200	250	300	350	400	450	500
GQR 10-12	2,4	1,4	mH2O	12,0	11,6	11,0	10,2	9,0	7,5	5,5	3,2				
GQR 10-14	2,8	1,6		14,0	13,5	12,8	12,0	10,8	9,3	7,5	5,5	3,0			
GQR 10-18	4,8	2,8		18,0	17,5	17,0	16,2	15,0	13,7	11,8	9,0	7,0	4,3	1,5	
GQR 10-20	6,6	3,8		20,0	19,5	18,8	18,0	16,8	15,2	13,2	10,8	8,4	5,7	3,0	

Density ρ = 1000 kg/m³ - Kinematic viscosity ν = max 20 mm²/sec

> GQR12 - Submersible - Threaded - with Float

Single phase	230V	Condenser		P ₁	P ₂		Q	m³/h l/m	0	3	6	9	12	15	18	21	24	27	30
	A	µF	Vc	kW	kW	HP			0	50	100	150	200	250	300	350	400	450	500
GQRM 10-12	3,6	16	450	1	0,55	0,75	mH2O	12,0	11,6	11,0	10,2	9,0	7,5	5,5	3,2				
GQRM 10-14	4,6	16	450	1	0,75	1		14,0	13,5	12,8	12,0	10,8	9,3	7,5	5,5	3,0			
GQRM 10-18	8	30	450	1,7	1,1	1,5		18,0	17,5	17,0	16,2	15,0	13,7	11,8	9,0	7,0	4,3	1,5	
GQRM 10-20	13	35	450	2,2	1,5	2		20,0	19,5	18,8	18,0	16,8	15,2	13,2	10,8	8,4	5,7	3,0	

P₁ Maximum absorbed power - P₂ Nominal motor power
Density ρ = 1000 kg/m³ - Kinematic viscosity ν = max 20 mm²/sec

> GQG - Submersible Shredder

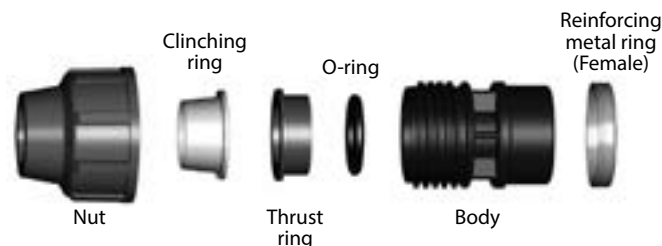
Three Phase	A		P ₁	P ₂		Q	m ³ /h	0	3,0	6,0	9,0	12,0	13,2	15,0	16,8	
	230V	400V	kW	kW	HP		l/m	0	50	100	150	200	220	250	280	
GQG 6-18	4	2,3	1,3	0,9	1,2	mH2O	18,0	16,5	14,5	11,2	6,5	4,5				
GQG 6-21	4,8	2,8	1,5	1,1	1,5		21,0	19,2	17,0	13,5	9,0	7,0	4,0			
GQG 6-25	6,6	3,8	2	1,5	2		25,0	23,0	20,5	17,0	13,0	11,0	7,8	4,0		

P₁ Maximum absorbed power - P₂ Nominal motor power
Density ρ = 1000 kg/m³ - Kinematic viscosity ν = max 20 mm²/sec

> GQG - Submersible Shredder with Float

Single phase	230V	Condenser		P ₁	P ₂		Q	m ³ /h	0	3,0	6,0	9,0	12,0	13,2	15,0	16,8	
	A	μF	Vc	kW	kW	HP		l/m	0	50	100	150	200	220	250	280	
GQGM 6-18	7	30+80	450	1,3	0,9	1,2	mH2O	18,0	16,5	14,5	11,2	6,5	4,5				
GQGM 6-21	7,5	30+80	450	1,5	1,1	1,5		21,0	19,2	17,0	13,5	9,0	7,0	4,0			
GQGM 6-25	9,5	30+80	450	2	1,5	2		25,0	23,0	20,5	17,0	13,0	11,0	7,8	4,0		

> Assembling Instruction for Fittings



Important

- The end of the pipe has to be rounded and cleaned from chip
- From diameter 20 to 40 it is enough to coil the nut by hand
- If the nut is not fixed completely, there can be dripping or flowing at the O-ring or the pressure can fire the pipe from the fitting
- The threaded end of the PP fitting has to be covered with PTFE tape or braid



Green Line PN10 Ø20 ÷ Ø63

1. Remove completely nut and clinching ring from the body of fitting
2. The nut and the clinching ring have to be pulled up on the pipe



3. Insert the pipe into the fitting. Make sure that the pipe crossed the O-ring
4. Pull back the clinching ring to it's original position
5. Pull back the nut and coil it completely up to the fitting



Azure line PN16 Ø20 ÷ Ø40 mm

1. Limber up the nut, but do not remove it completely
2. Insert the pipe into the fitting - make sure that the pipe crossed the O-ring.
3. Fully coil back the nut

Blue line Ø50 ÷ Ø110 mm

1. The nut, the clinching ring, the thrust ring and O-ring have to be pulled up on the pipe
2. Put together pipe, O-ring and thrust ring into the body - push the pipe until internal register inside fitting - make sure that O-ring and thrust ring are on their original position
3. Pull back the clinching ring to it's original position
4. Pull back the nut and completely coil it up to the fitting



> MPR Rain Bird Nozzles

Coverage	Nozzle	MPR 5				MPR 8				MPR 10				MPR 12				MPR 15			
	Press. bar	Throw mt	Flow-r. l/m	Precipitat. mm/h		Throw mt	Flow-r. l/m	Precipitat. mm/h		Throw mt	Flow-r. l/m	Precipitat. mm/h		Throw mt	Flow-r. l/m	Precipitat. mm/h		Throw mt	Flow-r. l/m	Precipitat. mm/h	
																					
 360°	1,0	1,1	1,1	79	91	1,7	2,8	72	84	2,1	4,2	58	67	2,7	6,8	55	63	3,4	9,8	52	60
	1,5	1,3	1,4	51	58	2,1	3,4	58	68	2,4	4,8	50	58	3,2	8,3	47	54	3,9	11,8	47	55
	2,0	1,5	1,6	57	65	2,4	3,9	48	55	3	6	39	45	3,6	9,7	46	53	4,5	13,7	41	48
	2,1	1,5	1,6	40	46	2,4	4	40	46	3,1	6	37	43	3,7	9,8	44	51	4,6	14	40	46
 180°	1,0	1,1	0,5	76	88	1,7	1,4	72	84	2,1	2,4	58	67	2,7	3,4	55	63	3,4	4,9	52	60
	1,5	1,3	0,7	49	56	2,1	1,7	58	68	2,4	2,4	50	58	3,2	4,2	47	54	3,9	5,9	47	55
	2,0	1,5	0,7	55	64	2,4	1,9	48	55	3	3	39	45	3,6	4,9	46	53	4,5	6,8	41	48
	2,1	1,5	0,9	39	45	2,4	2	40	46	3,1	3	37	43	3,7	4,9	44	51	4,6	7	40	46
 90°	1,0	1,1	0,4	76	88	1,7	0,7	72	84	2,1	1,2	58	67	2,7	1,7	55	63	3,4	2,5	52	60
	1,5	1,3	0,4	49	56	2,1	0,8	58	68	2,4	1,2	50	58	3,2	2,1	47	54	3,9	2,9	47	55
	2,0	1,5	0,4	55	64	2,4	1	48	55	3	1,2	39	45	3,6	2,4	46	53	4,5	3,4	41	48
	2,1	1,5	0,4	39	45	2,4	1	40	46	3,1	1,2	37	43	3,7	2,5	44	51	4,6	3,5	40	46

Coverage	Nozzle	MPR 15EST			MPR 15 CST			MPR 15 RCS			MPR 15 LCS			MPR 15 SST			MPR 9 SST		
	Press. bar	Throw mt	Flow-r. l/m	Throw mt	Flow-r. l/m	Throw mt	Flow-r. l/m	Throw mt	Flow-r. l/m	Throw mt	Flow-r. l/m	Throw mt	Flow-r. l/m	Throw mt	Flow-r. l/m	Throw mt	Flow-r. l/m		
																			
Strip	1,0	1,2 x 4	1,7	1,2 x 7,9	3,4	0,8 x 3,2	1,3	0,8 x 3,2	1,3	1,2 x 7,9	3,4	2,7 x 4,6	5,1						
	1,5	1,2 x 4,3	2	1,2 x 8,5	4	1,0 x 3,9	1,6	1,0 x 3,9	1,6	1,2 x 8,5	4	2,7 x 4,9	5,8						
	2,0	1,2 x 4,3	2,3	1,2 x 8,5	4,5	1,2 x 4,5	1,8	1,2 x 4,5	1,8	1,2 x 8,5	4,5	2,7 x 5,5	6,5						
	2,1	1,2 x 4,6	2,3	1,2 x 9,2	4,6	1,2 x 4,6	1,9	1,2 x 4,6	1,9	1,2 x 9,2	4,6	2,7 x 5,5	6,5						

> VAN Rain Bird Nozzles

Coverage	Nozzle	VAN 4				VAN 6				VAN 8				VAN 10				VAN 12				VAN 15				VAN 18			
	Press. bar	Throw mt	Flow-rate l/m	Precip. mm/h		Throw mt	Flow-rate l/m	Precip. mm/h		Throw mt	Flow-rate l/m	Precip. mm/h		Throw mt	Flow-rate l/m	Precip. mm/h		Throw mt	Flow-rate l/m	Precip. mm/h		Throw mt	Flow-rate l/m	Precip. mm/h		Throw mt	Flow-rate l/m	Precip. mm/h	
																													
 330°	1,0	0,9	2,3	189	218	1,2	3,2	144	166	1,8	4,6	91	105	2,1	7,3	96	111	2,7	5,8	48	55	3,4	9,8	52	60	4,3	15,9	52	60
	1,5	1	2,8	183	215	1,5	3,8	112	129	2,1	5,4	79	91	2,4	9	89	103	3,2	7,37	43	50	3,9	11,8	47	55	4,8	18	47	55
	2,0	1,2	3,3	152	176	1,8	4,5	91	105	2,3	6,3	78	90	2,7	9,8	76	88	3,6	8,75	41	47	4,5	13,7	41	48	5,4	19,8	41	48
	2,1	1,2	3,3	152	176	1,8	4,5	91	105	2,4	6,4	74	86	3,1	9,8	63	73	3,7	9,02	40	46	4,6	14	40	46	5,5	20,1	40	46
 270°	1	0,9	2	198	229	1,2	3	167	193	1,8	4,2	103	119	2,1	5,5	96	111	2,7	4,35	48	55	3,4	7,4	52	60	4,3	12	52	60
	1,5	1	2,3	187	216	1,5	3,5	124	143	2,1	4,9	91	105	2,4	6,8	89	103	3,2	5,53	43	50	3,9	8,8	47	55	4,8	13,5	47	55
	2	1,2	2,7	148	171	1,8	4,1	99	114	2,3	5,8	86	99	2,7	7,8	76	88	3,6	6,56	41	47	4,5	10,3	41	48	5,4	14,8	41	48
	2,1	1,2	2,8	157	181	1,8	4,2	103	119	2,4	5,9	81	94	3,1	7,9	67	79	3,7	6,76	40	46	4,6	10,5	40	46	5,5	15,1	40	46
 180°	1	0,9	1,2	173	200	1,2	1,6	139	161	1,8	3,2	117	135	2,1	3,7	96	111	2,7	2,9	48	55	3,4	4,9	52	60	4,3	8	52	60
	1,5	1	1,5	180	208	1,5	1,9	98	113	2,1	3,8	104	120	2,4	4,6	89	103	3,2	3,69	43	50	3,9	5,9	47	55	4,8	9	47	55
	2	1,2	1,7	139	161	1,8	2,2	80	92	2,3	4,4	98	113	2,7	5,3	76	88	3,6	4,37	41	47	4,5	6,9	41	48	5,4	9,9	41	48
	2,1	1,2	1,7	139	161	1,8	2,3	86	99	2,4	4,5	94	109	3,1	5,5	71	82	3,7	4,51	40	46	4,6	7	40	46	5,5	10,1	40	46
 90°	1	0,9	0,8	247	285	1,2	1	167	193	1,8	1,9	148	171	2,1	1,8	96	111	2,7	1,45	48	55	3,4	2,5	52	60	4,3	4	52	60
	1,5	1	0,9	240	277	1,5	1,2	124	143	2,1	2,3	127	147	2,4	2,3	89	103	3,2	1,84	43	50	3,9	2,9	47	55	4,8	4,5	47	55
	2	1,2	1,1	167	193	1,8	1,4	99	114	2,3	2,7	121	140	2,7	2,7	76	88	3,6	2,19	41	47	4,5	3,4	41	48	5,4	5	41	48
	2,1	1,2	1,1	194	193	1,8	1,4	99	114	2,4	2,7	111	128	3,1	2,8	73	85	3,7	2,25	40	46	4,6	3,5	40	46	5,5	5	40	46

> HE-VAN Rain Bird Nozzles

Coverage	Nozzle	HE-VAN 8					HE-VAN 10					HE-VAN 12					HE-VAN 15				
	Press. bar	Throw mt	Flow-r. l/m	Precip. mm/h		Throw mt	Flow-r. l/m	Precip. mm/h		Throw mt	Flow-r. l/m	Precip. mm/h		Throw mt	Flow-r. l/m	Precip. mm/h		Throw mt	Flow-r. l/m	Precip. mm/h	
	1,0	1,52	3,14	82	95	2,13	4,78	64	74	2,7	6,33	50,5	58,3	3,4	9,91	52,9	61,1				
	1,4	1,83	3,62	66	76	2,44	5,52	56	65	3	7,31	47,3	54,6	3,7	11,44	51,3	59,3				
	1,7	2,13	4,05	54	62	2,74	6,17	50	57	3,4	8,18	43,7	50,4	4,3	12,79	42,2	48,7				
	2,1	2,44	4,43	45	52	3,05	6,76	44	51	3,7	8,96	40,2	46,4	4,6	14,01	40,2	46,5				
	1,0	1,52	2,35	82	95	2,13	3,59	64	74	2,7	4,75	50,5	58,3	3,4	7,43	52,9	61,1				
	1,4	1,83	2,72	66	76	2,44	4,14	56	65	3	5,48	47,3	54,6	3,7	8,58	51,3	59,3				
	1,7	2,13	3,04	54	62	2,74	4,63	50	57	3,4	6,16	43,7	50,4	4,3	9,59	42,2	48,7				
	2,1	2,44	3,33	45	52	3,05	5,07	44	51	3,7	6,72	40,2	46,4	4,6	10,51	40,2	46,5				
	1,0	1,52	1,57	82	95	2,13	2,39	64	74	2,7	3,17	50,5	58,3	3,4	4,95	52,9	61,1				
	1,4	1,83	1,81	66	76	2,44	2,76	56	65	3	3,66	47,3	54,6	3,7	5,72	51,3	59,3				
	1,7	2,13	2,02	54	62	2,74	3,09	50	57	3,4	4,09	43,7	50,4	4,3	6,39	42,2	48,7				
	2,1	2,44	2,22	45	52	3,05	3,38	44	51	3,7	4,48	40,2	46,4	4,6	7	40,2	46,5				
	1,0	1,52	0,78	82	95	2,13	1,2	64	74	2,7	1,58	50,5	58,3	3,4	2,48	52,9	61,1				
	1,4	1,83	0,91	66	76	2,44	1,38	56	65	3	1,83	47,3	54,6	3,7	2,86	51,3	59,3				
	1,7	2,13	1,01	54	62	2,74	1,54	50	57	3,4	2,04	43,7	50,4	4,3	3,2	42,2	48,7				
	2,1	2,44	1,11	45	52	3,05	1,69	44	51	3,7	2,24	40,2	46,4	4,6	3,5	40,2	46,5				

> R-VAN Rain Bird Nozzles

Coverage	Nozzle	R-VAN 14				R-VAN 18				R-VAN 24			
	Press. bar	Throw mt	Flow-rate l/m	Precipitation mm/h		Throw mt	Flow-rate l/m	Precipitation mm/h		Throw mt	Flow-rate l/m	Precipitation mm/h	
 360°	2,1	4	4,16	16	18	4,9	6,25	16	18	5,8	8,9	16	18
	2,4	4	4,24	16	19	4,9	6,32	16	19	6,1	9,54	15	18
	2,8	4,3	4,62	15	18	5,2	6,81	15	18	6,7	11,85	16	18
	3,1	4,3	4,81	16	18	5,2	7	16	18	7	13,17	16	19
	3,4	4,6	5,34	15	18	5,5	7,76	15	18	7,3	13,67	15	18
	3,8	4,6	5,49	16	18	5,5	7,99	16	18	7,3	14,16	16	18
 270°	2,1	4	3,18	16	19	4,9	4,77	17	19	5,8	6,81	16	19
	2,4	4	3,29	17	19	4,9	5,11	16	19	6,1	7,38	16	18
	2,8	4,3	3,48	15	18	5,2	5,38	16	19	6,7	8,74	15	18
	3,1	4,3	3,56	16	18	5,2	5,72	16	19	7	9,54	15	18
	3,4	4,6	4,2	16	19	5,5	5,94	15	18	7,3	10,67	16	19
	3,8	4,6	4,43	17	20	5,5	6,13	15	18	7,3	10,9	16	19
 210°	2,1	4	2,46	16	19	4,9	3,71	17	19	5,8	5,3	16	19
	2,4	4	2,57	17	19	4,9	3,97	16	20	6,1	5,75	16	18
	2,8	4,3	2,73	15	18	5,2	4,16	16	19	6,7	6,81	15	18
	3,1	4,3	2,76	16	18	5,2	4,43	16	20	7	7,42	15	18
	3,4	4,6	3,26	16	19	5,5	4,62	16	18	7,3	8,29	16	19
	3,8	4,6	3,44	17	20	5,5	4,77	16	19	7,3	8,48	16	19
 180°	2,1	4	2,12	16	19	4,9	3,22	17	19	5,8	4,54	16	19
	2,4	4	2,2	17	19	4,9	3,44	16	19	6,1	4,92	16	18
	2,8	4,3	2,31	15	18	5,2	3,71	16	19	6,7	5,83	15	18
	3,1	4,3	2,38	16	18	5,2	3,82	16	19	7	6,36	15	18
	3,4	4,6	2,8	16	19	5,5	4,05	15	18	7,3	7,12	16	19
	3,8	4,6	2,95	17	20	5,5	4,13	15	18	7,3	7,27	16	19
 90°	2,1	4	1,06	16	19	4,9	1,59	17	19	5,8	2,27	16	19
	2,4	4	1,1	17	19	4,9	1,78	16	19	6,1	2,46	16	18
	2,8	4,3	1,17	15	18	5,2	1,89	16	19	6,7	2,91	15	18
	3,1	4,3	1,21	16	18	5,2	1,89	16	19	7	3,18	15	18
	3,4	4,6	1,4	16	19	5,5	2,04	15	18	7,3	3,56	16	19
	3,8	4,6	1,48	17	20	5,5	2,2	15	18	7,3	3,63	16	19

Coverage	Nozzle	R-VAN LCS					R-VAN RCS					R-VAN SST				
	Press. bar	Throw mt	Flow-rate l/m	Precipitation mm/h		Throw mt	Flow-rate l/m	Precipitation mm/h		Throw mt	Flow-rate l/m	Precipitation mm/h				
Strip	2,1	1,2 x 4,3	0,68	16	16	1,2 x 4,3	0,68	16	16	1,2 x 8,5	1,36	16	16			
	2,4	1,5 x 4,6	0,83	14	14	1,5 x 4,6	0,83	14	14	1,5 x 9,1	1,67	14	14			
	2,8	1,5 x 4,6	0,87	15	15	1,5 x 4,6	0,87	15	15	1,5 x 9,1	1,74	15	15			
	3,1	1,5 x 4,6	0,91	16	16	1,5 x 4,6	0,91	16	16	1,5 x 9,1	1,82	16	16			
	3,4	1,5 x 4,6	0,95	16	16	1,5 x 4,6	0,95	16	16	1,5 x 9,1	1,89	16	16			
	3,8	1,8 x 4,9	1,06	14	14	1,8 x 4,9	1,06	14	14	1,8 x 9,8	2,12	14	14			

> 3504 Series Rain Bird Sprinklers

Pressure bar	Nozzle	Throw mt	Flow-rate l/m	Precipitation mm/h	
				■	▲
1,7	0,8	4,6	2,04	12	14
	1,0	6,1	2,91	9	11
	1,5	7	4,01	10	11
	2,0	8,2	5,3	9	11
	3,0	8,8	8,21	13	15
	4,0	9,4	11,24	15	17
2	0,8	4,8	2,24	12	13
	1,0	6,2	3,14	10	11
	1,5	7	4,35	11	12
	2,0	8,2	5,74	10	12
	3,0	9,1	8,87	13	15
	4,0	9,7	12,17	16	18
2,5	0,8	5,2	2,58	12	13
	1,0	6,4	3,55	10	12
	1,5	7	4,94	12	14
	2,0	8,2	6,51	12	13
	3,0	9,4	10,03	13	16
	4,0	10,1	13,82	16	19
3	0,8	5,2	2,86	13	15
	1,0	6,4	3,93	12	13
	1,5	7,3	5,49	12	14
	2,0	8,2	7,17	13	15
	3,0	9,4	11,13	15	17
	4,0	10,6	15,32	16	19
3,5	0,8	5,4	3,09	13	15
	1,0	6,6	4,27	12	14
	1,5	7,3	5,97	13	15
	2,0	8,4	7,79	13	15
	3,0	9,6	11,9	15	18
	4,0	10,7	16,66	18	20
3,8	0,8	5,5	3,22	13	15
	1,0	6,7	4,47	12	14
	1,5	7,3	6,25	14	16
	2,0	8,5	8,14	13	15
	3,0	9,8	12,3	16	18
	4,0	10,7	17,41	18	21

> 5004 Series Rain Bird Sprinklers

RAIN CURTAIN ANGLE STANDARD

Pressure bar	Nozzle	Throw mt	Flow-rate l/m	Precipitation mm/h	
				■	▲
2	1,5	10,2	4,8	5	6
	2,0	10,8	6	6	7
	2,5	10,9	7,2	7	9
	3,0	11,2	9	9	10
	4,0	11,6	12	11	12
	5,0	12,1	15	13	15
	6,0	12,4	17,4	15	17
	8,0	11,8	24	32	37
2,5	1,5	10,4	5,4	6	7
	2,0	11	6,6	7	8
	2,5	11,3	8,4	8	9
	3,0	11,2	10,2	9	11
	4,0	12,3	13,2	11	13
	5,0	12,7	17,4	13	15
	6,0	13,2	20,4	14	16
	8,0	13,3	27	24	28
3	1,5	10,6	6	6	7
	2,0	11,2	7,8	7	8
	2,5	11,3	9,6	9	10
	3,0	12,1	11,4	9	11
	4,0	12,7	15	11	13
	5,0	13,5	18,6	12	14
	6,0	13,4	22,2	13	17
	8,0	13,4	30	23	27
3,5	1,5	10,7	6	7	8
	2,0	11,3	8,4	8	9
	2,5	11,3	10,2	9	11
	3,0	12,2	12,6	10	12
	4,0	12,8	16,2	12	14
	5,0	13,7	20,4	13	15
	6,0	14,2	24	13	15
	8,0	14,9	32,4	20	24
4	1,5	10,6	6,6	7	8
	2,0	11,1	9	8	10
	2,5	11,3	10,8	10	12
	3,0	12,2	13,2	11	12
	4,0	12,8	17,4	13	15
	5,0	13,7	22,2	14	16
	6,0	14,9	25,8	14	16
	8,0	15,2	34,2	21	25
4,5	1,5	10,4	7,2	8	9
	2,0	10,7	9	10	11
	2,5	11,3	11,4	11	12
	3,0	12,2	13,8	11	13
	4,0	12,8	18	13	15
	5,0	13,7	23,4	15	17
	6,0	14,6	28,2	15	18
	8,0	15,2	36,6	19	22

LOW ANGLE

Pressure bar	Nozzle	Throw mt	Flow-rate l/m	Precipitation mm/h	
				■	▲
1,7	1,0	7,6	3	6	7
	1,5	8,2	4,4	8	9
	2,0	8,8	5,4	9	10
	3,0	8,8	8,4	13	15
2	1,0	8	3	6	6
	1,5	8,6	4,8	8	9
	2,0	9,1	6	9	10
	3,0	9,3	9	13	15
2,5	1,0	8,6	3,6	5	6
	1,5	9,2	5,4	8	9
	2,0	9,5	6,6	9	10
	3,0	10,1	10,2	12	14
3	1,0	8,8	3,6	6	7
	1,5	9,4	6	8	9
	2,0	9,7	7,8	10	11
	3,0	10,6	11,4	12	14
3,5	1,0	8,8	4,2	6	7
	1,5	9,4	6,6	9	10
	2,0	9,9	8,4	10	11
	3,0	10,8	12,6	13	15
4	1,0	8,8	4,2	7	8
	1,5	9,4	6,6	9	11
	2,0	10,1	9	10	12
	3,0	11	13,2	13	15
4,5	1,0	8,8	4,8	7	8
	1,5	9,4	7,2	10	11
	2,0	10,1	9	11	13
	3,0	11	13,8	14	16

> Falcon 6504 Series Rain Bird Sprinklers

FALCON 6504

Nozzle	Pressure bar	Throw mt	Flow-rate m³/h	Precipitation mm/h	
				■	▲
4	2,1	11,9	0,66	9	11
	2,5	12,3	0,72	10	11
	3,0	12,5	0,78	10	12
	3,5	12,5	0,85	11	13
	4,0	12,5	0,89	11	13
	4,5	12,5	0,96	12	14
	5,0	12,7	1,01	13	15
6	5,5	13,1	1,04	12	14
	2,1	13,1	0,95	11	13
	2,5	13,5	1,05	12	13
	3,0	14,1	1,16	12	13
	3,5	14,9	1,26	11	13
	4,0	14,4	1,34	13	15
	4,5	14,6	1,4	13	15
8	5,0	14,9	1,47	13	15
	5,5	14,9	1,56	14	16
	2,5	14,9	1,5	13	16
	3,0	15,1	1,56	14	16
	3,5	15,5	1,69	14	16
	4,0	15,5	1,83	15	17
	4,5	15,5	1,95	16	19
10	5,0	15,7	2,05	17	19
	5,5	16,1	2,13	16	19
	2,5	15,5	1,84	15	18
	3,0	15,8	1,92	15	18
	3,5	16,2	2,08	16	18
	4,0	16,6	2,23	16	19
	4,5	17,1	2,37	16	19
12	5,0	17,2	2,5	17	19
	5,5	16,8	2,63	19	22
	2,5	16,2	2,2	17	19
	3,0	16,4	2,31	17	20
	3,5	16,8	2,52	18	21
	4,0	17,3	2,72	18	21
	4,5	17,7	2,89	18	21
14	5,0	18,1	3,04	19	21
	5,5	18,6	3,18	18	21
	2,5	16,8	2,57	18	21
	3,0	17,2	2,68	18	21
	3,5	18	2,91	18	21
	4,0	18,5	3,12	18	21
	4,5	18,6	3,32	19	22
16	5,0	18,6	3,51	20	23
	5,5	18,6	3,67	21	25
	2,5	16,8	2,86	20	24
	3,0	17,4	3	20	23
	3,5	18,6	3,27	19	22
	4,0	19,1	3,5	19	22
	4,5	19,2	3,71	20	23
18	5,0	19,2	3,91	21	24
	5,5	19,2	4,1	22	26
	2,5	18	3,11	19	22
	3,0	18	3,25	20	23
	3,5	18,1	3,53	22	25
	4,0	19	3,81	21	24
	4,5	19,5	4,03	21	24
18	5,0	19,8	4,23	22	25
	5,5	19,8	4,44	23	26
	6,0	19,8	4,79	24	28
	6,2	19,8	4,93	25	29

FALCON 6504 HIGH SPEED

Nozzle	Pressure bar	Throw mt	Flow-rate m³/h	Precipitation mm/h	
				■	▲
4	2,1	11,3	0,68	11	12
	2,5	12	0,75	10	12
	3,0	12,5	0,81	10	12
	3,5	12,5	0,85	11	13
	4,0	12,5	0,93	12	14
	4,5	12,5	1	13	15
	5,0	12,3	1,06	14	16
6	5,5	11,9	1,11	16	18
	2,1	11,9	98	14	16
	2,5	12,7	1,22	15	18
	3,0	13,3	1,33	15	17
	3,5	13,7	1,28	14	16
	4,0	13,7	1,38	15	17
	4,5	13,4	1,48	16	19
8	5,0	13,1	1,56	18	21
	5,5	13,1	1,61	19	22
	2,5	14,2	1,49	15	17
	3,0	14,35	1,57	15	17
	3,5	14,9	1,72	16	18
	4,0	14,4	1,85	18	21
	4,5	14,6	1,97	18	21
10	5,0	15,1	2,08	18	21
	5,5	15,5	2,2	18	21
	2,5	14,2	1,83	18	21
	3,0	14,5	1,93	18	21
	3,5	14,9	2,11	19	22
	4,0	14,9	2,27	20	24
	4,5	15,3	2,42	21	24
12	5,0	15,4	2,57	22	25
	5,5	14,9	2,7	24	28
	2,5	14,8	2,24	20	24
	3,0	15,4	2,35	20	23
	3,5	16,2	2,56	20	23
	4,0	16,2	2,76	21	24
	4,5	16,5	2,95	22	25
14	5,0	16,8	3,12	22	26
	5,5	16,8	3,27	23	27
	2,5	16	2,58	20	23
	3,0	16,2	2,71	21	24
	3,5	16,2	2,95	23	26
	4,0	16,2	3,17	24	28
	4,5	16,2	3,36	26	30
16	5,0	16,2	3,54	27	31
	5,5	16,2	3,74	29	33
	2,5	15,4	2,85	24	28
	3,0	15,8	3	24	28
	3,5	16,2	3,27	25	29
	4,0	16,6	3,5	25	29
	4,5	17,1	3,73	26	30
18	5,0	17,5	3,96	26	30
	5,5	18	4,17	26	30
	2,5	16	3,15	24	28
	3,0	16,4	3,29	25	28
	3,5	16,9	3,57	25	29
	4,0	17,7	3,83	24	28
	4,5	18	4,07	25	29
18	5,0	18	4,3	27	31
	5,5	18	4,53	28	32
	6,0	18,4	4,75	28	32
	6,2	18,6	4,84	28	32

> Rain Bird Electrovalves

> DV Series

LOAD LOSSES

Flow-rate		Bar
m ³ /h	l/m	
0,23	3,8	0,23
0,60	10,0	0,24
1,20	20,0	0,26
3,60	60,0	0,32
4,50	75,0	0,35
6,00	100,0	0,41
9,00	150,0	0,59

> PGA Series

LOAD LOSSES

Flow-rate		Bar					
m ³ /h	l/m	L	A	L	A	L	A
		1"		1"½		2"	
0,5	8,3	0,35	0,30				
1,2	20,0	0,38	0,35				
3	50,0	0,41	0,38				
6	100,0	0,43	0,38	0,10	0,07		
9	150,0	0,48	0,51	0,22	0,14	0,08	0,07
12	200,0			0,38	0,23	0,12	0,07
15	250,0			0,61	0,36	0,17	0,10
18	300,0			0,86	0,51	0,24	0,13
21	350,0			1,16	0,70	0,33	0,18
24	400,0					0,43	0,23
27	450,0					0,54	0,30
30	500,0					0,66	0,36
34	566,7					0,83	0,45

L = in line
A = angle

> HV Series

LOAD LOSSES

Flow-rate		Bar	
m ³ /h	l/m	f/f	m/m
0,25	4,2	0,11	0,12
0,75	12,5	0,14	0,14
1	16,7	0,16	0,16
2	33,3	0,23	0,19
5	83,3	0,32	0,31
7,5	125,0	0,42	0,54
9,1	151,7	0,57	0,94

> 8005 Series Rain Bird Sprinklers

Nozzle	Pressure bar	Throw mt	Flow-rate m³/h	Precipitation mm/h	
				■	▲
4	3,5	11,9	0,86	12	14
	4	11,9	0,93	13	15
	4,5	11,9	1	14	16
	5	11,9	1,06	15	17
6	5,5	11,9	1,13	16	18
	3,5	13,7	1,28	14	16
	4	13,7	1,37	15	17
	4,5	13,7	1,45	15	18
8	5	13,7	1,54	16	19
	5,5	13,7	1,62	17	20
	3,5	14,9	1,59	14	16
	4	14,9	1,75	16	18
10	4,5	14,9	1,92	17	20
	5	14,9	2,09	19	22
	5,5	14,9	2,25	20	23
	3,5	16,1	2,1	16	19
12	4	16,3	2,3	17	20
	4,5	16,5	2,4	18	20
	5	16,7	2,5	18	21
	5,5	16,8	2,7	19	22
14	3,5	17,5	2,52	16	19
	4	17,7	2,7	17	20
	4,5	18	2,87	18	20
	5	18,3	3,05	18	21
16	5,5	18,5	3,23	19	22
	6	18,6	3,3	19	22
	3,5	18	2,89	18	21
	4	18,5	3,17	19	21
18	4,5	18,9	3,37	19	22
	5	19,2	3,54	19	22
	5,5	19,2	3,72	20	23
	6	19,6	3,96	21	24
20	6,2	19,8	4,06	21	24
	3,5	18,7	3,28	19	22
	4	19,6	3,54	18	21
	4,5	20,1	3,77	19	22
22	5	20,4	3,99	19	22
	5,5	20,4	4,22	20	23
	6	20,9	4,45	20	24
	6,2	21	4,54	21	24
24	3,5	19,2	3,69	20	23
	4	19,7	3,97	20	24
	4,5	20,1	4,22	21	24
	5	20,6	4,47	21	24
26	5,5	21	4,74	21	25
	6	21,5	4,95	21	25
	6,2	21,7	5,04	21	25
	3,5	19,9	4,25	21	25
28	4	20,3	4,5	22	25
	4,5	21,1	4,79	22	25
	5	21,6	5,11	22	25
	5,5	21,6	5,42	23	27
30	6	22,1	5,65	23	27
	6,5	22,5	5,89	23	27
	6,9	22,9	6,09	23	27
	3,5	20	5,08	25	29
32	4	21,3	5,23	23	27
	4,5	22	5,51	23	26
	5	22,4	5,84	23	27
	5,5	22,8	6,19	24	28
34	6	22,9	6,71	26	30
	6,5	23,4	6,84	25	29
	6,9	23,5	6,97	25	29
	3,5	19,3	5,11	27	32
36	4	20,7	5,5	26	30
	4,5	22	5,88	24	28
	5	23	6,26	24	27
	5,5	23,5	6,62	24	28
38	6	23,9	6,92	24	28
	6,5	24,1	7,22	25	29
	6,9	24,1	7,45	26	30
	3,5	20	5,57	28	32
40	4	21,8	6,01	25	29
	4,5	22,6	6,42	25	29
	5	23,2	6,8	25	29
	5,5	24,1	7,14	25	28
42	6	24,1	7,5	26	30
	6,5	24,3	7,91	24	31
	6,9	24,7	8,24	27	31

> Eagle Series Rain Bird Sprinklers

EAGLE 900

Nozzle	44 Blue		48 yellow		52 orange		56 green		60 black		64 red	
	Throw mt	Flow-rate m³/h	Throw mt	Flow-rate m³/h	Throw mt	Flow-rate m³/h	Throw mt	Flow-rate m³/h	Throw mt	Flow-rate m³/h	Throw mt	Flow-rate m³/h
Pressure bar												
4,1	19,2	4,85	22,3	6,56	22,9	7,25	-	-	-	-	-	-
4,5	19,38	5,11	22,3	6,81	23,5	7,57	25	8,94	26,2	9,47	27,4	10,35
5,0	20,7	5,4	22,4	7,2	24,2	8	25,5	9,4	26,8	10	27,9	10,94
5,5	21,6	5,59	22,8	7,72	24,7	8,41	25,9	9,87	27,7	10,52	28,3	11,56
6,0	21,6	5,9	23,3	7,88	24,7	8,81	26,3	10,34	27,7	11,86	28,8	12,06
6,5	21,9	6,16	23,5	8,06	24,9	9,19	26,8	10,8	27,7	11,86	29,2	12,57
6,9	22,3	6,35	23,5	8,22	25,3	9,49	27,1	11,15	27,7	11,86	29,6	12,97

EAGLE 950

Nozzle	18 White-C		20 Grey-C		22 Blue-C		24 Yellow-C		26 Orange		28 Green		30 Black		32 Brown	
	Throw mt	Flow-r. m³/h	Throw mt	Flow-r. m³/h	Throw mt	Flow-r. m³/h	Throw mt	Flow-r. m³/h	Throw mt	Flow-r. m³/h	Throw mt	Flow-r. m³/h	Throw mt	Flow-r. m³/h	Throw mt	Flow-r. m³/h
Press. bar																
4,1	21,3	4,43	21,9	5,22	22,6	6,06	23,2	7	23,8	8,18						
4,5	21,7	4,64	22,3	5,48	22,9	6,29	23,8	7,32	24,4	8,5	25,2	9,44	25,2	10,44	25,3	11,17
5,0	22,1	4,93	22,7	5,81	23,5	6,66	24,7	7,75	25,1	8,95	25,8	10	25,8	10,92	25,7	11,6
5,5	22,5	5,19	23,2	6,12	24,4	7,01	25,6	8,16	25,6	9,41	26,2	10,72	26,2	11,43	25,9	12,05
6,0	22,8	5,44	23,6	6,4	24,8	7,34	26,5	8,56	26	9,73	26,9	10,93	27,1	11,85	26,6	12,46
6,5	23	5,68	24	6,69	25,3	7,64	27,1	8,93	26,5	10,18	27,4	11,37	27,7	12,3	27,3	13
6,9	23,2	5,86	24,4	6,93	25,6	7,86	27,4	9,2	26,8	10,61	27,7	11,86	28	12,67	28	13,49

NOTES



REQUEST FORMS

Note: the soil analysis form, the filtration form and irrigation water definition form can be used both to request assistance from Scarabelli and as a guideline for the parameters to be analyzed while projecting irrigation systems

SUMMARY 1

Hydraulic scheme request form

REQUESTING DATA

Company name:

Address:

Province:

Phone:

Cell phone:

E-mail:

Reference:

PLANT DATA

Type of plant requested: ☐ Dripline

☐ Micro irrigation

☐ Nebulization

Type of crop to irrigate:

Plant age:

Type of plant: ☐ Wire

☐ Soil

☐ Subirrigation

Irrigated surface:

N. of irrigation sectors:

Distances between rows:

Distances between plants:

Type of soil:

Water source:

Flow rate and pression available:

Min flow rate:

Min pression:

Max flow rate:

Max pression:

PLANT SPESIFICATIONS

Piping: ☐ Pe

☐ PVC

Filtration: ☐ Manual

☐ Automatic

Automation: ☐ None

☐ Multicable

☐ Singlecable

☐ Radio

Fertigation: ☐ pH control

☐ EC control

N fertilizer:

N fertilizing agitators:

Propotional injection/volumetric managment:

☐ Yes

☐ No

To enclose where available:

point or gps coordinates
slopes or curves of the soil
present/future point of water source

SUMMARY 1



CUT FOR SHIPMENT

Filtration and irrigation's water analysis form

REQUESTING DATA

Company name: _____

Address: _____

Province: _____

Phone: _____

Cell phone: _____

E-mail: _____

Reference: _____

WATER SOURCE

☐ Well ☐ Canal ☐ River ☐ Lake ☐ Basin ☐ Tank ☐ Others

Notes on the water intake point: _____

IRRIGATION'S WATER ANALYSIS

CONTROL OF SUSPENSION ELEMENTS - QUANTITY ANALYSIS

Date	Measurment unit	Indicated value
T.S.S. (Total suspended solids)	mg/l	
Minerals	(%)	
Organic compounds	(%)	

CONTROL OF DISSOLVED PARTS - QUALITY ANALYSIS

Date	Measurment unit	Indicated value	Date	Measurment unit	Indicated value
Electrical conductivity			Chloride		
pH			Sulfates		
Calcium			Boron		
Magnesium			Iron tot.		
Sodium			Soluble iron		
Sodium Absorbption Ratio			Manganese		
Carbonate			Potassium		
Bicarbonate			Nitrates (NO ₃)		

Take the samples in suitable way, without altering it
Measure the pH value immediatly after sampling

TYPE OF FILTRATION

Filtration:

☐ Manual

☐ Automatic

Filtration group:

☐ Fixed

☐ Mobile

☐ Other equipment

Power source 230 V AC:

☐ Yes

☐ No

Filtration present on site: _____

SUMMARY 1



Discount Classes



LIGHTWEIGHT DRIP WINGS	
DRIPPERS AND SPRINKLERS	
MINI SPRINKLERS AND HAMMER	
IRRIFAST	
PLASTIC FILTERS	
STF METAL FILTERS	
HYDROCYCLONES	
AUTOMATIC DISC FILTERS	
AUTOMATIC MESH FILTERS	
AUTOMATIC GRIT FILTERS	
FERTILISER KITS	
CRYSBERG	
MINIVALVOLE	
PVC VALVES	
METAL VALVES	
AIR VENTS	
PRESET REDUCERS	
BERMAD VALVES	
VALVES SERIES 650 - 303 - 600	
COUNTERS	
PUMPS	
GIMBAL PUMPS AND ACCESSORIES	
WATER TANKS	
SWITCHBOARDS	
INVERTERS AND AUTOCLAVES	
WING FITTINGS	
PLASSON FITTINGS	
PLASSON BRACKET SOCKETS	
BRASS FITTINGS - GALVANISED	
BLULINE FITTINGS	
PE CONDUCTS	
PVC CONDUCTS	
FLAT CONDUCTORS	
PUMP PIPES	
PUMPS	
PRE-ASSEMBLED FILTER UNITS	
SELF-PROPELLED MACHINES	
BROWN DRIP LINES	
SUMPS SCARABS	
ORBIT	
HUNTER	
GALCON	
VALTICINO	
SAMCLA	
SOLEM	
HOZELOCK	
RAPID BRACKET	
GREEN WALL SET	
FITTINGS	
BLUE FLEX	
KERBS AND PAVERS	
SPLAH OXYGENATORS AND OTTERBINES	
TECNOCOOLING	
PERROT	



HEAVY-DUTY DRIP WINGS



HANSEN VALVES
POLIEXT FITTINGS
PVC FITTINGS
HANSEN FITTINGS
SPS FITTINGS
ELECTROFUSION FITTINGS



METAL FILTERS JOINTS
FERTILISER TANKS
TEFEN MIX RITE
MEMBRANE PUMPS
ITC PUMPS
ITC AGITATORS
MIXING KITS
BACKWASH
ITC COMPUTERS
AGRONIC
IRREO
FERTICONTROL BENCHES
AUTOMATION ACCESSORIES
METAL FITTINGS LINE INTERRATER
SPHERICAL FERRARI ROBUR ANFOR
MOSQUITO REPELLENT KIT



CALPEDA PUMPS

RAINBIRD



RIVULIS DRIPPERS AND ACCESSORIES
DES RIVULIS SPRINKLERS
DES MINI SPRINKLERS ACCESSORIES

SALE GENERAL CONDITIONS

ORDERS

Orders transmitted to Scarabelli Irrigazione S.r.l. are to be considered valid only after validation and approval by the Direction. Scarabelli Irrigazione S.r.l. has the right to fulfill the order on several times. This does not entitle the right to cancel the order or a part of it.

PRICES

Prices are intended net, taxes excluded, for ex-works Scarabelli Irrigazione Srl returned goods. Prices can be unilaterally modified by Scarabelli Irrigation srl, with no prior notice, depending on general market trend and on other causes.

DELIVERY

Delivery delays due to force majeure, fortuitous events, third parts or other, do not legitimize cancellation of the order; no indemnity and/or compensation may be consequently claimed by the purchaser, who may be equally held liable to pay the price within the terms specified in the order.

SHIPMENT

The goods travel at the sole risk of the buyer who, in the event of a dispute, shall immediately report the fact to the transporter for related responsibilities by registered letter and send copy to Scarabelli Irrigazione Srl.

PAYEMENTS

Invoices of Scarabelli Irrigazione Srl must be balanced according to the payment terms accepted while placing the order. As far as special goods orders, out of standard of Scarabelli Irrigazione Srl, immediate payment is required simultaneously to the order, of a deposit equal to at least one third of the goods value. In case of payment delay, interests of arrears will be applied according to Legislative Decree 10.9.2002, n. 231, starting on the expire dates on the invoice.

PROPERTY OF MATERIAL

Material property right on merchandise delivered by Scarabelli Irrigazione Srl, remain of the company itself until the total settlement of the corresponding invoice. Risks related to the sold goods shall pass from the seller to the purchaser at time of delivery. An unjustified delay in the agreed payment may entail, if required by Scarabelli Irrigazione Srl, the free port immediate return of the goods.

WARRANTY

The purchaser shall report possible vices and defects no later than 8 days from the inspection, under penalty of forfeiture. Liability terms for invoking warranty is of 1 year from the delivery. Warranty is limited to replacement or repair of the goods at the location specified by Scarabelli Irrigazione Srl and in no way it implies the chance of compensation and/or refund and/or termination of the agreement. Warranty shall not cover failures caused by electrical connection mistakes, lack of appropriate protection, disassembly or reassembly and tampering, mis-operations and by any means by noncompliance with specified use limitations or with instructions supplied by Scarabelli Irrigation Srl. Warranty may be not recognized and shall not take effect in the following cases:

- failures caused to materials due to any kind of corrosion or abrasions or pumped liquid;
- non-operation caused by inappropriate installations;
- when the customer is delaying payments.

Warranty shall not be recognized if the Customer does not give information on use conditions or other information to clarify the cause of the failure. When requesting operation under warranty, a document shall be exhibited proving shipment date or the code number of the goods label, or the one on the package, to trace back to the manufacture date. Repaired material or material tampered by not expressly authorized by Scarabelli Irrigazione Srl is excluded from the warranty. To products described in section Automation and Fertigation apply the following specifications.

- 3 months warranty for materials likely to chemical/mechanical deteriorate (eg pH sensor) in normal use conditions;
- installation of appropriate voltage supply control systems (stabilizers) and disconnection from the mains or distribution in case of systems placed in lightning subjected areas, are to be considered binding as far as warranty condition are concerned.

Scarabelli Irrigazione Srl declines any liability for material damages and accidents caused by our products. The material shall be sent carriage free to Scarabelli Irrigazione Srl and will be delivered freight collect to the customer. Warranty does not apply in case of use of the material in chemical and/or physical particularly aggressive condition, such as, for example, too sandy artesian wells, ferruginous groundwater, acid ambientes, etc.

SUPPLY MINIMUM AMOUNTS

Order minimum amount is of € 100,00 (V.A.T. excluded). Lower amount supplies may be provided solely and exclusively by an invoiced charge of € 15,00 (V.A.T. excluded) for administrative management.

PRE AND POST SALE ADVICE AND SUPPORT

Scarabelli Irrigazione S.r.l. does not assume any liability as far as counseling and technical, agronomic and design assistance (e.g.: hydraulic schemes etc..) provided, out of courtesy and for free, while selling its products.

COMPLAINTS

Possible complaints concerning the supply, shall be sent written and within and not later 8 days from the delivery of the goods.

RETURNS

In order to make a return (warranty or other), a written authorization request shall be always and PREVIOUSLY sent by the RMA form, duly completed, addressed to the orders office (ordini@scarabelli.it). Scarabelli Irrigazione S.r.l. will send the RMA number which shall be indicated on the delivery document (DDT) and clearly visible placed on the package, under refusal penalty.

Goods received with no authorization will be refused. The return is intended free port to our warehouse. Packaging and goods shall be intact. The goods are anyway priorly inspected from the part of the seller who reserves the right to not accept the return. In case of missed acceptance, the goods will be sent to the sender, carriage forward.

The return should not be imputable to Scarabelli Irrigazione S.r.l. or base warrants, the goods, as long as intact, will be accepted by a minimum deduction of 15% for administrative management costs on the credit note, barring larger expense for different costs, such as reconditioning and/or accessories.

TESTS

Tests are carried out at Scarabelli Irrigazione S.r.l. workshops. The customer can be present requesting it in advance.

DATA PROCESSING – In accordance with and by the effects of art. 13 Leg. Decree nr. 196/2003, is hereby given notice.

- a) Provided data from the customers on a voluntary basis shall be undergoing processing, including through by using it and on-line procedures on Data Base, for management, statistic, commercial, promotional and advertising purposes, related to Scarabelli Irrigazione S.r.l.'s (data controller) products and services.
- b) With respect to the above-mentioned treatment, the subject whom personal data refers to, is entitled to obtain confirmation of the existence (or lack thereof) of this data and to know its content and origin, verify the accuracy or ask for integration or updating or correction or cancellation in accordance with art. 7, Leg. Decree nr. 196/2003.
- c) The customer expresses his consent to the treatment and disclose of his personal data by engaging to promptly communicate possible inaccuracies or variations.

COMPETENT FORUM

To resolve any disputes arising from the interpretation and/or execution of this agreement, the parts declare and expressly locate in Bologna the competent forum, waiving all exceptions and reservations on the competence.

SCARABELLI IRRIGAZIONE S.r.l.

N.B. – Information and technical features of the products indicated in this publication might be varied anytime without notice. Images of the supplied product are purely indicative.



www.scarabelli.it

SUMMARY 1