

Watch corporate video



n°44

PRICE LIST SCARABELLI

SEPTEMBER 2021



SUMMARY 1

VER160921

SUMMARY



DRIP IRRIGATION

Tech. App.

Light Dripline Rivulis	page 8	page 259
Light Dripline Scarabelli	page 10	page 259
Heavy Dripline Scarabelli	page 14	page 260
PC Heavy Dripline Scarabelli	page 16	page 261
Drippers	page 20	
PC Drippers	page 21	
Preassembled droplets	page 22	
DES drippers Rivulis	page 23	
PC DES drippers Rivulis	page 24	



ASPERSION

Sprayers	page 26	
DES micro sprinklers	page 28	
DES Foggers	page 29	page 262
DES Mini sprinklers	page 31	page 262
Impact sprinklers	page 36	page 264
Irrifast system	page 40	
Accessories	page 41	



FILTRATION

Manual plastic filters	page 44	
Manual Iron filters	page 47	
Hydrocyclons	page 48	
Suction systems	page 49	
Automatic filters	page 50	
Gravel filters	page 54	
Accessories and spare parts	page 58	



AUTOMATION

Backwashing	page 63	
ITC	page 64	
SRC	page 65	
Progres	page 69	
Accessories	page 75	
Preassembled Systems	page 78	
Climate data collection	page 81	
Soil data detecting	page 82	
Plant data collection	page 83	
Spare parts	page 84	



FERTIGATION

Injectors	page 87	
Fertilizer tank	page 88	
Venturi	page 88	page 266
Hydraulic propotional dosings	page 89	page 267
Electrical propotional dosings	page 90	
Accessories	page 94	
Electrical panels for agitators	page 95	
Fertigation kit, mixing and acidification	page 96	



LANDSCAPE

Tech. App.

Scarabelli's dripline	page 98
Rain Bird	page 99
Hunter	page 112
Toro	page 117
Weathermatic	page 120
Galcon	page 124
Valticino	page 125
Perrot Regnerbau Calw	page 126
Scarabelli sport areas irrigation	page 130
Samcla	page 131
Solem	page 134
Scarabelli	page 140
Scarabelli Hozelock	page 141
Accessories	page 142
Hydrants, valves, fittings, curbs	page 144
Scarabelli Otterbine oxygenators	page 149
Cooling and humidification	page 150
Anti-Mosquito and Fertilization Systems	page 152

VALVES



Mini valves	page 154
Manual vales	page 155
Special valves and air releases	page 156
Hansen's valves and level regulators	page 158
Pressure reducers	page 161
Bermad/Scarabelli's Hydraulic valves	page 162
Water meter	page 170
Accessories	page 171

PUMPS



Submersible vertical axis pumps	page 174	page 274
Centrifugal pumps with cylinder block	page 183	page 279
Vertical multi-stage pupms with cylinder block	page 184	page 280
Horizontal multi-stage pumps with cylinder block	page 184	page 281
Self-priming pumps	page 185	page 281
Drainage pumps	page 186	page 281
Assembled groups of pressurization	page 188	
Cardan pumps	page 189	
Tanks and cisterns	page 190	
Electronic panels for pumps	page 191	
Accessories	page 194	

FITTINGS



Dripline fittings	page 198
Drippers fittings	page 201
Compression fittings	page 202
PVC fittings	page 211
Various fittings	page 219
Iron fittings	page 229
Flat fittings	page 235
Accessories	page 236

PIPING



PE pipe	page 239
PVC pipe	page 240
PVC-A pipe	page 241
Layflat pipe	page 242
Special pipe	page 245

SPECIAL INSTALLATIONS



Motor pumps series SCM	page 247
Motor pumps with filtration and fertigation system	page 248
Integrated systems of pumps/filtration/fertigation	page 249
Self-propelled	page 251
Special systems	page 253
Machines to coil and lay PE pipe and driplines	page 255
Up & Down system	page 257

NEWS 2021



Ro-Drip X-Pell - page 9



Superdrip PC ND - pages 17-18



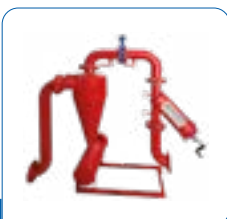
Preassembled droplets - page 22



Xcel Wobbler sprinklers- page 34



SC10 sprinklers- page 35



Assembled filtering system - page 48



SD-Clean and SD Superclean filters- pages 50-51



Automatic and manual double chamber - page 57



SRC automation - pages 65-68



Agronic series data detecting - pages 81-83



Fertigation systems for spherical fittings - page 87



Esp-Me3 Rain Bird programmer - page 102

Fertigation kit with safety filter - page 96



Hunter Line - pages 112-116



Infinite Samcla remote management - pages 131-132



Fittings and Blu-Flex Hose Scarabelli - page 147

Bermad air valves - page 157



Hansen Level Alert - page 158



Greenapp Bermad valves - page 165



Fittings for heavy dripline - page 198

Emotron inverter - page 195



Greenflat pipe- page 242

PVC-A pipe - page 241





Our advices for Yours cultivations



DRIP IRRIGATION



**DRIPLINE
DRIPPERS
FITTINGS
ACCESSORIES**

SUMMARY 1

Price List



Dripline > Light > RO-DRIP



DESCRIPTION

Application

- Open field crops by loose or draining terrains

Specifics

- Six different flow-rates
- Working pressure: 7 mH₂O
- Wide passages labyrinth
- Dropper by extrusion
- Recommended filtration: 120 micron (Q>0,5 l/h)

Features

- High resistance to clogging
- Expandable labyrinth by ejecting clogging stuff
- High resistance to traction
- High-quality materials

COILS NUMBER PER SHIPMENT

Coils x pallet	20 ft container		40 ft HC container		Truck	
	Pallet	Coils	Pallet	Coils	Pallet	Coils
16	20	320	40	640	40	640

RO-DRIP 16 DRIPLINE-STANDARD COILS

mil thickness	Coils mt	cm spacing	Q l/h per mt 100	Code	€/mt	€/coil
6	3.048	10	750 - 1050	TSAT121	0,1061	323,40
6	3.048	20	500	TSAT123	0,1061	323,40
6	3.048	30	185	TSAT124	0,1061	323,40
6	3.048	30	300	TSAT125	0,1061	323,40
8	2.286	10	750 - 1050	TSAT141	0,1280	292,60
8	2.286	20	500	TSAT143	0,1280	292,60
8	2.286	30	300	TSAT145	0,1280	292,60

RO-DRIP 22 DRIPLINE-STANDARD COILS

mil thickness	Coils mt	cm spacing	Q l/h per mt 100	Code	€/mt	€/coil
8	1.737	20	500	TSAT399	0,1564	271,70
8	1.737	30	185	TSAT400	0,1564	271,70
8	1.737	30	300	TSAT401	0,1564	271,70
10	1.524	30	300	TSAT421	0,1716	261,51

> RO-DRIP X-PELL



DESCRIPTION

Application

- Seasonal crops in open field or in greenhouses with loose or draining soils
- Dripline with insect repellent effect
- Reduction of damage to the dripline caused by insects
- Reduction of damage to crops due to losses or missed irrigation
- Reduction of maintenance costs for damage research and repair

Specifics

- Working pressure: 7 mH₂O
- Wide passages labyrinth
- Dripper by extrusion
- Recommended filtration: 120 micron (Q>0,5 l/h)
- Follow the directions and warnings for use on the packaging

Features

- High resistance to clogging
- Expandable labyrinth by ejecting clogging stuff
- High resistance to traction
- High-quality materials

COILS NUMBER PER SHIPMENT

Coils x pallet	20 ft container		40 ft HC container		Truck	
	Pallet	Coils	Pallet	Coils	Pallet	Coils
16	20	320	40	640	40	640

RO-DRIP 16 DRIPLINE-STANDARD COILS

mil thickness	Coils mt	cm spacing	Q l/h per mt 100	Code	€/mt	€/coil
8	2.286	20	500	TSATX143	0,1299	297,00
8	2.286	30	300	TSATX145	0,1299	297,00

RO-DRIP 22 DRIPLINE-STANDARD COILS

mil thickness	Coils mt	cm spacing	Q l/h per mt 100	Code	€/mt	€/coil
8	1.737	20	500	TSATX399	0,1836	319,00
8	1.737	30	300	TSATX401	0,1836	319,00

*Indicative reference value

Price List



Dripline > Light > 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 micron (140 micron 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

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	0,0747	227,70
8	2.200	0,0915	201,30
10	1.830	0,1172	214,50

FLOW-TAPE Ø 22 DRIPLINE

mil thickness	Coils mt	€/mt	€/coil
7	2.000	0,1089	217,80
8	1.830	0,1160	212,30
10	1.340	0,1478	198,00

FLOW-TAPE Ø 25 DRIPLINE (ON REQUEST)

mil thickness	Coils mt	€/mt	€/coil
8	1.350	0,1589	214,50
10	1.150	0,1990	228,80
12	900	0,2298	206,80

> 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 micron (140 micron 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 - FLOW-RATE 1 L/H

mil thickness	cm spacing	Code	Coils mt	€/mt	€/coil
6	15	TSAL400	2.700	0,0880	237,60
6	20	TSAL401	2.800	0,0803	224,84
6	25	TSAL402	2.900	0,0785	227,77
6	30	TSAL403	3.000	0,0755	226,38
6	40	TSAL404	3.000	0,0748	224,40
6	50	TSAL405	3.000	0,0729	218,79
8	15	TSAL160	2.600	0,1012	263,12
8	20	TSAL161	2.700	0,0924	249,48
8	25	TSAL162	2.800	0,0869	243,32
8	30	TSAL163	2.900	0,0842	244,04
8	40	TSAL164	2.900	0,0825	239,25
8	50	TSAL165	2.900	0,0801	232,23
10	20	TSAL451	2.300	0,1053	242,12
10	25	TSAL452	2.400	0,0975	233,90
10	30	TSAL453	2.500	0,0947	236,78
10	40	TSAL454	2.500	0,0922	230,45
10	50	TSAL455	2.500	0,0906	226,60

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 - FLOW-RATE 1 L/H

mil thickness	cm spacing	Code	Coils mt	€/mt	€/coil
8	20	TSAL702	2.000	0,1130	225,94
8	25	TSAL701	2.000	0,1099	219,78
8	30	TSAL703	2.100	0,1080	226,84
8	40	TSAL704	2.100	0,1056	221,76
8	50	TSAL705	2.100	0,1043	218,99
10	20	TSAL761	1.400	0,1298	181,72
10	25	TSAL762	1.400	0,1223	171,25
10	30	TSAL763	1.600	0,1183	189,20
10	40	TSAL764	1.600	0,1140	182,34
10	50	TSAL765	1.600	0,1124	179,87

Note: For flow-rates different from the above chart, please ask our purchase office (The price does not change for different flow rates)

Price List



Dripline > Light > 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 micron (140 micron 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
6	15	TSAL050	2.300	0,0880	202,40
6	20	TSAL051	2.400	0,0803	192,72
6	25	TSAL052	2.500	0,0785	196,35
6	30	TSAL053	2.600	0,0755	196,20
6	40	TSAL054	2.600	0,0729	189,62
6	50	TSAL055	2.600	0,0717	186,47
8	15	TSAL190	2.200	0,1012	222,64
8	20	TSAL191	2.300	0,0924	212,52
8	25	TSAL192	2.400	0,0869	208,56
8	30	TSAL193	2.500	0,0842	210,38
8	40	TSAL194	2.500	0,0825	206,25
8	50	TSAL195	2.500	0,0801	200,20
10	20	TSAL481	2.000	0,1053	210,54
10	25	TSAL482	2.100	0,0975	204,67
10	30	TSAL483	2.300	0,0947	217,83
10	40	TSAL484	2.300	0,0922	212,01
10	50	TSAL485	2.300	0,0906	208,47
12	20	TSAL531	1.400	0,1242	173,87
12	25	TSAL532	1.500	0,1158	173,75
12	30	TSAL533	1.700	0,1118	189,99
12	40	TSAL534	1.700	0,1071	182,14
12	50	TSAL535	1.700	0,1056	179,52
15	15	TSAL630	1.250	0,1481	185,08
15	20	TSAL631	1.350	0,1341	181,02
15	25	TSAL632	1.400	0,1261	176,48
15	30	TSAL633	1.500	0,1232	184,80
15	40	TSAL634	1.500	0,1205	180,68
15	50	TSAL635	1.500	0,1192	178,86
18	20	TSAL681	900	0,1694	152,46
18	30	TSAL683	1.000	0,1584	158,40

Note: For flow-rates different from the above chart, please ask our purchase office (The price does not change for different flow rates)

Price List

Dripline > Light

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

mil thickness	cm spacing	Code	Coils mt	€/mt	€/coil
8	20	TSAL731-S	1.400	0,1130	158,16
8	25	TSAL732-S	1.500	0,1099	164,84
8	30	TSAL733-S	1.600	0,1080	172,83
8	40	TSAL734-S	1.600	0,1056	168,96
8	50	TSAL735-S	1.600	0,1043	166,85
10	20	TSAL781-S	1.200	0,1298	155,76
10	25	TSAL782-S	1.300	0,1223	159,02
10	30	TSAL783-S	1.400	0,1183	165,55
10	40	TSAL784-S	1.400	0,1140	159,54
10	50	TSAL785-S	1.400	0,1124	157,39
12	20	TSAL831-S	1.050	0,1503	157,77
12	25	TSAL832-S	1.150	0,1434	164,96
12	30	TSAL833-S	1.250	0,1416	176,96
12	40	TSAL834-S	1.250	0,1390	173,80
12	50	TSAL835-S	1.250	0,1375	171,88
15	20	TSAL871-S	900	0,1593	143,35
15	25	TSAL872-S	1.000	0,1562	156,20
15	30	TSAL873-S	1.100	0,1543	169,76
15	40	TSAL874-S	1.100	0,1518	166,98
15	50	TSAL875-S	1.100	0,1503	165,29

Note: For flow-rates different from the above chart, please ask our purchase office (The price does not change for different flow rates)

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	0,1276	31,90
8	30	1,5	TSAL1074	250	0,1100	27,50
8	20	2,2	TSAL1082	250	0,1276	31,90
8	30	2,2	TSAL1084	250	0,1100	27,50

Price List



Driplines > Heavy > 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: 1,15 - 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 micron

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
0,80	0,56	0,79	0,960	1,11
1,15	0,79	1,15	1,430	1,67
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 198

TSAL DL Ø 16 DRIPLINE - STANDARD COILS

mil thickness	cm spacing	l/h	Code	Coils mt	€/mt	€/coil
36	30	1,5	TSAL883	500	0,2365	118,25
36	40	1,5	TSAL884	500	0,2332	116,60
36	30	2,3	TSAL922	500	0,2365	118,25
36	40	2,3	TSAL923	500	0,2332	116,60

TSAL DL Ø 20 DRIPLINE - STANDARD COILS

mil thickness	cm spacing	l/h	Code	Coils mt	€/mt	€/coil
36	30	1,5	TSAL1103	400	0,3267	130,68
36	40	1,5	TSAL1104	400	0,3245	129,80
36	30	2,0	TSAL1113	400	0,3267	130,68
36	40	2,0	TSAL1114	400	0,3245	129,80

Note: For flow-rates different from the above chart, please ask our purchase office

Price List

Driplines > Heavy

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

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	0,3960	158,40
1,1	30	TSAP321	400	0,3410	136,40
1,1	40	TSAP322	400	0,3245	129,80
1,1	50	TSAP323	400	0,3135	125,40
1,1	60	TSAP324	400	0,3070	122,80
1,1	80	TSAP325	400	0,2938	117,50

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	0,5117	153,50
1,2	30	TSAP331	300	0,4543	136,30
1,2	40	TSAP332	300	0,4290	128,70
1,2	50	TSAP333	300	0,4180	125,40
1,2	60	TSAP334	300	0,4070	122,10
1,2	80	TSAP335	300	0,3960	118,80

Note: For flow-rates different from the above chart, please ask our purchase office

Price List



Driplines > PC Heavy > PC2



DESCRIPTION

Application

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

Specifics

- **Standard flow-rates: 1,5 - 2,3 - 3,8 l/h**
- Flow-rates on request: 1,3 l/h
- Self-compensating
- Wall thickness: 1,1 mm and 1,25 mm
- Cylindric dripper with turbulent flow labyrinth and wide passages
- Large dimension intake filter
- Technological variation coefficient CV: 1,5%
- Self-compensation range: 5 ÷ 45 mH2O
- Maximum working pressure: 50 mH2O
- Recommended filtration: 120 micron

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 mH2O
mm				
16	1,10	13,80	16,00	45,00
20	1,25	17,60	20,10	45,00

SELF-COMPENSATION RANGE

Flow-rate _{nom} l/h	Ø	mH2O
1,30*	16,00	5 ÷ 45
1,50	20,00	5 ÷ 45
2,30	16/20	5 ÷ 45
3,80	16/20	5 ÷ 45

*Available on request

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
1,10	30	TSAU022	400	0,5200	208,00
1,10	40	TSAU023	400	0,4800	192,00
1,10	50	TSAU024	400	0,4360	174,40
1,10	60	TSAU025	400	0,4130	165,20
1,10	80	TSAU026	400	0,4010	160,40

PC2 Ø 20 DRIPLINE - FLOW-RATE 2,3 L/H

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1,25	30	TSAU032	300	0,6930	207,90
1,25	40	TSAU033	300	0,6490	194,70
1,25	50	TSAU034	300	0,6105	183,15
1,25	60	TSAU035	300	0,5739	172,16
1,25	80	TSAU036	300	0,5819	174,57

Note: For flow-rates different from the above chart, please ask our purchase office

> SuperDrip RC



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 micron (100 micron 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	0,5980	298,98
1	30	TAG423	500	0,5267	263,34
1	40	TAG424	500	0,4912	245,58
1	50	TAG425	500	0,4697	234,85
1	60	TAG426	500	0,4555	227,76
1	70	TAG427	500	0,4476	223,80
1	80	TAG428	500	0,4391	219,56
1	90	TAG429	500	0,4332	216,59
1	100	TAG430	500	0,4279	213,95

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

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1	20	TAG442	400	0,6718	268,71
1	30	TAG443	400	0,5982	239,27
1	40	TAG444	400	0,5614	224,58
1	50	TAG445	400	0,5394	215,78
1	60	TAG446	400	0,5247	209,88
1	70	TAG447	400	0,5160	206,40
1	80	TAG448	400	0,5080	203,19
1	90	TAG449	400	0,5016	200,64
1	100	TAG450	400	0,4964	198,57

SUPER DRIP Ø 23 - FLOW-RATE 2,0 L/H

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1	30	TAG031	350	0,7920	277,20
1	40	TAG032	350	0,7370	257,95
1	50	TAG033	350	0,7040	246,40
1	60	TAG034	350	0,6820	238,70

Note: For flow-rates different from the above chart, please ask our purchase office



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

Price List



Driplines > PC Heavy > 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 micron (140 micron 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	0,6157	307,84
1,00	30,00	TAG367	500	0,5424	271,21
1,00	40,00	TAG368	500	0,5063	253,17
1,00	50,00	TAG369	500	0,4838	241,89
1,00	60,00	TAG370	500	0,4690	234,52
1,00	70,00	TAG371	500	0,4612	230,62
1,00	80,00	TAG372	500	0,4522	226,11
1,00	90,00	TAG373	500	0,4465	223,25
1,00	100,00	TAG374	500	0,4409	220,44

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	0,6923	276,94
1,00	30,00	TAG377	400	0,6157	246,27
1,00	40,00	TAG378	400	0,5785	231,40
1,00	50,00	TAG379	400	0,5559	222,38
1,00	60,00	TAG380	400	0,5401	216,04
1,00	70,00	TAG381	400	0,5311	212,43
1,00	80,00	TAG382	400	0,5232	209,26
1,00	90,00	TAG383	400	0,5165	206,58
1,00	100,00	TAG384	400	0,5108	204,34

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

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1	30	TAG041	350	0,8250	288,75
1	40	TAG042	350	0,7700	269,50
1	50	TAG043	350	0,7370	257,95
1	60	TAG044	350	0,7040	246,40

Note: For flow-rates different from the above chart, please ask our purchase office

> 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: 1,75 - 3,6 - 3,75 l/h
- Self-compensating
- Anti-draining and anti-siphon
- Wall thickness: 1 and 1,143 mm
- Cylindric dripper with turbulent flow labyrinth and wide passages
- Large dimension intake filter
- Technological variation coefficient CV: 1,5%
- Autocompensation range: 8 ÷ 35 mH2O
- Lock-up pressure: 1 mH2O
- Maximum working pressure: 45 mH2O
- Recommended filtration: 120 micron (140 micron per 1,75 l/h)

Features

- Irrigation stop and starting from all the drippers contemporary
- 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	1,00	13,80	15,80	45,00
20	1,00	19,88	17,88	40,00
20	1,14	17,60	19,88	45,00

SELF-COMPENSATION RANGE

Flow-rate _{nom} l/h	Ø	mH2O
1,75*	16/20	8 ÷ 35
2,35	16/20	8 ÷ 35
3,60*	20	8 ÷ 35
3,75*	16	8 ÷ 35

* Available on request

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 (SPACING 15 CM 1,75 L/H)

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1,00	15	TAG459	400	0,8943	357,72
1,00	20	TAG460	400	0,7711	308,44
1,00	30	TAG462	400	0,6039	241,56
1,00	40	TAG464	400	0,5368	214,72
1,00	50	TAG465	400	0,4917	196,68
1,00	60	TAG466	400	0,4785	191,40

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

mm thickness	cm spacing	Code	Coils mt	€/mt	€/coil
1,00	20	TAG312	300	0,9559	286,77
1,00	30	TAG314	300	0,7634	229,02
1,00	40	TAG315	300	0,6710	201,30
1,00	50	TAG316	300	0,6149	184,47
1,00	60	TAG336	300	0,5874	176,22
1,14	20	TAG330	300	0,9834	295,02
1,14	30	TAG333	300	0,7821	234,63
1,14	40	TAG334	300	0,7271	218,13
1,14	50	TAG335	300	0,6600	198,00
1,14	60	TAG332	300	0,6259	187,77

Note: For flow-rates different from the above chart, please ask our purchase office

Price List



Drippers >

> Turbo Dripper



DESCRIPTION

Application

- Dripper should be connected to PE BD PN 4 hose

Specifics

- Maximum working pressure: 10 mH2O
- Demountable internal item
- Coupling: 6 mm
- Support hook for Ø 16 Pe pipe
- Output: protected hose-barb
- Recommended filtration = 120 mesh

Features

- Demountable for maintenance and cleaning

Materials

- Polypropylene

Code	l/h at 1 bar	Box	€/each
OGC649*	4	800	0,242
OGC650	8	800	0,242
OGC651*	16	800	0,242

*While stocks last

> SG 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 at 1 bar	Box	€/each
OGC030	white	3	1.000	0,144
OGC031	black	5	1.000	0,144
OGC032	red	8	1.000	0,144
OGC033	blue	15	1.000	0,144

PC Drippers >

> SG-AU 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: 0,8 ÷ 3,5 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	black	4,5	1.000	0,208
OGC111	black	8,0	1.000	0,208
OGC112	black	15,0	1.000	0,208



Price List

PC Drippers >

Drip Irrigation

> ESG Dripper



DESCRIPTION

Application

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

Specifics

- Self-compensating dripper
- Working pressure: 0,5 ÷ 4,0 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
OGC970	black/blue	2,1	100	0,232
OGC971	black/grey	3,1	100	0,232
OGC972	black/black	4,1	100	0,232
OGC973	black/brown	8,1	100	0,232
OGC974	black/green	25,5	100	0,232

> ESG-CNL 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	green/blue	2,1	100	0,242
OGC979	green/grey	3,1	100	0,242
OGC981	green/black	4,1	100	0,242
OGC982	green/brown	8,1	100	0,242

> 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	0,341
OGC069	black	4	1.000	0,341
OGC087	green	8	1.000	0,341

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	0,704
OGC051	black	4	1.000	0,704
OGC070	green	8	1.000	0,704

Availability on request

Price List



Droplets >

> Preassembled Droplets



DESCRIPTION

- Glasshouse and nursery

Application

Specifics

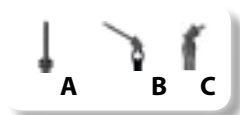
- Compatible with PC and PC CNL multifunctional drippers
- Distributors at one, two or four derivations
- Soft PVC/Pe micro-hose, black finishing or white covering
- Peg with built-in labyrinth for 2 and 4 derivations models
- Droplets free (grey) with single derivation

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	0,40
OSR326	1	White	80	Mod. C without labyrinth	50	0,59
OSR305	1	Black	60	Mod. C without labyrinth	50	0,35
OSR306	1	Black	80	Mod. C without labyrinth	50	0,53
OSR323*	2	White	60	Mod. C without labyrinth	50	0,57
OSR327	2	White	80	Mod. C without labyrinth	50	0,73
OSR321	2	Black	60	Mod. C without labyrinth	50	0,53
OSR311	2	Black	80	Mod. C without labyrinth	50	0,68
OSR303	2	White	60	Mod. A straight labyrinth	50	0,75
OSR312	2	White	80	Mod. A straight labyrinth	50	0,79
OSR307	2	Black	60	Mod. A straight labyrinth	50	0,70
OSR309*	2	Black	80	Mod. A straight labyrinth	50	0,73
OSR357	2	White	60	Mod. B angled labyrinth	50	0,66
OSR358	2	White	80	Mod. B angled labyrinth	50	0,66
OSR359	2	Black	60	Mod. B angled labyrinth	50	0,66
OSR330	2	Black	80	Mod. B angled labyrinth	50	0,66
OSR304	4	White	60	Mod. A straight labyrinth	50	1,72
OSR313	4	White	80	Mod. A straight labyrinth	50	2,02
OSR308*	4	Black	60	Mod. A straight labyrinth	50	1,63
OSR310*	4	Black	80	Mod. A straight labyrinth	50	1,65
OSR360	4	White	60	Mod. B angled labyrinth	50	1,65
OSR361	4	White	80	Mod. B angled labyrinth	50	1,65
OSR362	4	Black	60	Mod. B angled labyrinth	50	1,65
OSR331	4	Black	80	Mod. B angled labyrinth	50	1,65
OSR324	4	White	60	Mod. C without labyrinth	50	1,21
OSR328	4	White	80	Mod. C without labyrinth	50	1,43
OSR322	4	Black	60	Mod. C without labyrinth	50	1,16
OSR314	4	Black	80	Mod. C without labyrinth	50	1,38

*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

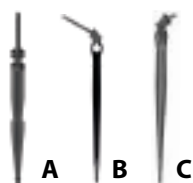
- Code colour for flow-rate identification
- Multifunctional output - 5/3 micro-hose

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

- 2 different models: A) straight coupling B) 90° coupling

Materials

- Polypropylene

Code	Description	l/h	Fig.	Box	€/each
OGC074	Peg with straight labyrinth	2,3	A	100	0,0556
OGC053	Peg with angled labyrinth	1,5	B	100	0,0462
OGC088	Free point gray color	-	C	100	0,0567

> 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	0,058
OGC044	Outlet lateral	red	3,75	10.000	0,058
OGC045	Outlet superior	black	2,30	10.000	0,058
OGC046	Outlet superior	red	3,75	10.000	0,058
OGC047	Outlet superior	green	8,40	10.000	0,058

Price List



DES PC Drippers >

> 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
OGC164	Conical	Orange/black	25	500	0,1778

> 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
- 90° output model

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
- Straight exit model

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

ASPERSION



**SPRAYERS
MICRO SPRINKLERS
SPRINKLERS
ACCESSORIES**

SUMMARY 1

Price List



Sprinklers > Sprayers

> Vari Jet on Peg



PRESSURE/FLOW RATE RATIO

		mt coverage		
		360°	90°	180°
Press. bar	Q _{lit/h}	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	6,70
OGC216	200	360°	10	5,80
OGC214	310	180°	10	6,70
OGC217	200	180°	10	5,80
OGC215	310	90°	10	6,70
OGC218	200	90°	10	5,80

> Jet Components

Code	Description	mm len.	Cov.	B.	€/each
OAT100	Rigid peg	200		10	0,85
OAT101	Rigid peg	310		10	1,17
OTB050	Rigid peg with adap.	200		10	0,53
OTB051	Rigid peg with adap.	300		10	0,64
OTB052	Rigid peg with adap.	450		10	0,85
OSR092	Sprayer reg. thread		360°	10	0,53
OSR091	Sprayer reg. thread		180°	10	0,53

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	0,21	
OSR061	Microjet base	Green		100	0,21	
OSR062	Microjet base	Red		100	0,21	
OSR065	Microjet base	White		100	0,21	
OSR080	Head for Microjet	Black	360°	100	0,21	
OSR081	Head for Microjet	Black	180°	100	0,21	
OSR082	Testa per microjet	Black	90°	100	0,21	

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



Price List

Sprinklers > Sprayers

> Shrubber 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	0,95
OGC220	40	180°	25	0,95
OGC202	40	360° PC	25	1,80

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

> 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	0,95
OGC204	75	360° PC	25	1,80

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

> 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	1,38
OGC210	40	360° PC	25	2,65

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

Price List



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	0,35
OGC134	34	360°	500	0,35
OGC133	55	360°	500	0,35
OGC131	70	360°	500	0,35
OGC159	25	180°	500	0,29
OGC157	34	180°	500	0,29
OGC156	55	180°	500	0,29
OGC155	70	180°	500	0,29

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

> Jet+



**H 25 CM FEATURES
MOD 360° - 20 MH2O**

Flow-rate	Colour	P _{max}	Wet Ø
30	light blue	30	4,2
39	black	30	4,6
51	blue	30	5,4
64	dark blue	30	5,8
75	green	30	7,0
102	red	30	8,6

Code	l/h	Coupling	Head	Nozzle colour	Box	€/each
OGC005	30	5 mm	black	light blue	500	0,84
OGC006	39	5 mm	black	black	500	0,84
OGC007	51	5 mm	black	blue	500	0,84
OGC008	64	5 mm	black	dark blue	500	0,84
OGC009	75	5 mm	black	green	500	0,84
OGC010	102	5 mm	black	red	500	0,84

DESCRIPTION

Application

- Fruit farming

Specifics

- Static multijet sprinkler
- Insect repellent function
- 6 flow-rates available
- 360° nozzle - 300° - 180°
- Working pressure: 1,5 ÷ 3,0 bar

Features

- Upwards positioning by peg
- Code colour for flow-rate identification
- Filtration: 120 mesh
- Threaded coupling: 5 mm

Materials

- Polypropylene

DES Sprinklers > Micro Sprinklers

> Self-compensating Jet JFR



H 25 CM FEATURES - 360°MOD

Flow-rate	Colour	P _{max}	Nozzle Ø	Wet Ø mt
23	black	35	0,85	3,20
30	blue	35	1,00	4,00
41	dark blue	35	1,10	4,00
53	green	35	1,20	4,40
70	red	35	1,40	6,40
95	white	35	1,60	6,40

Code	Flow-rate l/h	Coupling	Colour	Box	€ cad
OGC011	23	3/8"	black	500	1,12
OGC012	30	3/8"	blue	500	1,12
OGC013	41	3/8"	dark blue	500	1,12
OGC014	53	3/8"	green	500	1,12
OGC015	70	3/8"	red	500	1,12
OGC016	95	3/8"	white	500	1,12

DESCRIPTION

Application

- Fruit farming

Specifics

- Static multijet sprinkler
- Self-compensating adjustable flow
- Insect repellent function
- 6 flow-rates available
- 360° nozzle - 300° - 180°
- Working pressure: 1,5 ÷ 3,5 bar

Features

- Upwards positioning by peg
- Code colour for flow-rate identification
- Filtration: 120 mesh
- Threaded coupling: 3/8"

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	1,00
ONB002	61	2000/500	1,00

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

Price List

DES Sprinklers > Foggers

> 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	2,17
ONB012	5,4	5,4 x 2	conical	light blue	double	500	2,68
ONB014	5,4	5,4 x 4	conical	light blue	Cross	500	4,76
ONB011	10,4	10,5 x 1	conical	blue	single	500	2,17
ONB013	10,4	10,5 x 2	conical	blue	double	500	2,68
ONB015	10,4	10,5 x 4	conical	blue	Cross	500	4,76

> 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		1,12	
OSA117	Low pressure (0,6 bar closed - 2,0 bar open) bi-directional flow	4/7 x male conical		1,12	
OSA118	High pressure (1,4 bar closed - 3,5 bar open) unidirectional flow	thread/female conical x male conical		1,12	
OSA120	High pressure (1,4 bar closed - 3,5 bar open) unidirectional flow	4/7 x male conical		1,12	

DES Sprinklers > Mini Sprinklers

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
- $\frac{3}{8}$ " thread (standard)
- 5 mm micro-threaded coupling

Materials

- Polypropylene

> Rondo



Green UD pin	Blue UD pin	Black pin	Purple pin	Deflector black pin
				
Micro-thread coupling nozzle	Conical F coupling nozzle	$\frac{3}{8}$ " coupling nozzle thread	Insect protection plug	
				

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	Coupli.	Pin	Nozzle	Flow-rate l/h	€
OSR160	Rondo	$\frac{3}{8}$ "	black	black	39	1,04
OSR161	Rondo	$\frac{3}{8}$ "	black	dark blue	64	1,04
OSR162	Rondo	$\frac{3}{8}$ "	black	red	102	1,04
OSR163	Rondo	$\frac{3}{8}$ "	black	white	132	1,04
OSR164	Rondo	$\frac{3}{8}$ "	black	purple	174	1,04
OSR165	Rondo	$\frac{3}{8}$ "	black	yellow	205	1,04
OSR167	Rondo	$\frac{3}{8}$ "	black	brown	254	1,04
OSR166	Rondo	$\frac{3}{8}$ "	black	orange	298	1,04
OSR757	UD Rondo	$\frac{3}{8}$ "	green	black	39	1,04
OSR758	UD Rondo	$\frac{3}{8}$ "	green	dark blue	64	1,04
OSR759	UD Rondo	$\frac{3}{8}$ "	green	green	75	1,04
OSR760	UD Rondo	$\frac{3}{8}$ "	green	red	102	1,04
OSR761	UD Rondo	$\frac{3}{8}$ "	green	white	132	1,04
OSR762	UD Rondo	$\frac{3}{8}$ "	green	purple	174	1,04
OSR763	UD Rondo	$\frac{3}{8}$ "	green	yellow	205	1,04
OSR764	UD Rondo	$\frac{3}{8}$ "	green	brown	254	1,04
OSR765	UD Rondo	$\frac{3}{8}$ "	green	orange	298	1,04
OSR177	Anti-insect Rondo	$\frac{3}{8}$ "	black	blue	51	1,72
OSR178	Anti-insect Rondo	$\frac{3}{8}$ "	black	dark blue	64	1,72
OSR179	Anti-insect Rondo	$\frac{3}{8}$ "	black	green	75	1,72
OSR180	Anti-insect Rondo	$\frac{3}{8}$ "	black	red	102	1,72
OSR181	Anti-insect Rondo	$\frac{3}{8}$ "	black	white	132	1,72
OSR182	Anti-insect Rondo	$\frac{3}{8}$ "	black	purple	174	1,72
OSR183	Anti-insect Rondo	$\frac{3}{8}$ "	black	yellow	205	1,72

PRE-ASSEMBLED RONDO SPRINKLERS

Code	Model	Coupling	Pin	Flow-rate l/h	€
OSA001*	Rondo $\frac{3}{8}$ " - Meteor 44 - Cantal peg - 60 mm Pe hose - 4/7 fitting	4/7	black	39	3,63
OSA002	Rondo $\frac{3}{8}$ " - Meteor 44 - Cantal peg - 60 mm Pe hose - 4/7 fitting	4/7	black	51	3,63
OSA003*	Rondo $\frac{3}{8}$ " - Meteor 44 - Cantal peg - 60 mm Pe hose - 4/7 fitting	4/7	black	64	3,63
OSA004	Rondo $\frac{3}{8}$ " - Meteor 44 - Cantal peg - 60 mm Pe hose - 4/7 fitting	4/7	black	75	3,63
OSA005	Rondo $\frac{3}{8}$ " - Meteor 44 - Cantal peg - 60 mm Pe hose - 4/7 fitting	4/7	black	102	3,63
OSA032*	Rondo $\frac{3}{8}$ " - Meteor 44	4/7	green	75	2,01
OSA036	Rondo $\frac{3}{8}$ " - Meteor 44	4/7	green	205	2,01
OSA038	Rondo $\frac{3}{8}$ " - 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

Note: Pre-assembled Rondo sprinklers subject to availability check

Price List



DES Sprinklers > Mini Sprinklers

> Self-Compensating Rondo RFR



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

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

Cod	Model	Coupling	Pin	Flow-rate l/h	€
OSR189	Rondo RFR	3/8"	grey	23	1,25
OSR190	Rondo RFR	3/8"	grey	30	1,25
OSR191	Rondo RFR	3/8"	grey	41	1,25
OSR192	Rondo RFR	3/8"	grey	53	1,25
OSR193	Rondo RFR	3/8"	grey	70	1,25
OSR194	Rondo RFR	3/8"	grey	95	1,25
OSR280	UD Rondo RFR	3/8"	red	23	1,25
OSR281	UD Rondo RFR	3/8"	red	30	1,25
OSR282	UD Rondo RFR	3/8"	red	41	1,25
OSR283	UD Rondo RFR	3/8"	red	53	1,25
OSR284	UD Rondo RFR	3/8"	red	70	1,25
OSR285	UD Rondo RFR	3/8"	red	95	1,25
OSR195	Anti-insect Rondo RFR	3/8"	grey	23	2,06
OSR196	Anti-insect Rondo RFR	3/8"	grey	30	2,06
OSR197	Anti-insect Rondo RFR	3/8"	grey	41	2,06
OSR198	Anti-insect Rondo RFR	3/8"	grey	53	2,06
OSR199	Anti-insect Rondo RFR	3/8"	grey	70	2,06
OSR159	Anti-insect Rondo RFR	3/8"	grey	95	2,06

PRE-ASSEMBLED RFR SPRINKLERS*

Code	Model	Coupling	Pin	Flow-rate l/h	€
OSA018	3/8" Rondo RFR - Meteor 44 - Cantal peg - 60 cm Pe pipe - 4/7 fitting	4/7	grey	23	3,21
OSA019	3/8" Rondo RFR - Meteor 44 - Cantal peg - 60 cm Pe pipe - 4/7 fitting	4/7	grey	30	3,21
OSA020	3/8" Rondo RFR - Meteor 44 - Cantal peg - 60 cm Pe pipe - 4/7 fitting	4/7	grey	41	3,21
OSA021	3/8" Rondo RFR - Meteor 44 - Cantal peg - 60 cm Pe pipe - 4/7 fitting	4/7	grey	53	3,21
OSA022	3/8" Rondo RFR - Meteor 44 - Cantal peg - 60 cm Pe pipe - 4/7 fitting	4/7	grey	70	3,21
OSA023	3/8" Rondo RFR - Meteor 44 - Cantal peg - 60 cm Pe pipe - 4/7 fitting	4/7	grey	95	3,21
OSA024	3/8" anti-insect Rondo RFR - Meteor 44 - Cantal peg - 60 cm Pe pipe - 4/7 fitting	4/7	grey	23	3,86
OSA025	3/8" anti-insect Rondo RFR - Meteor 44 - Cantal peg - 60 cm Pe pipe - 4/7 fitting	4/7	grey	30	3,86
OSA026	3/8" anti-insect Rondo RFR - Meteor 44 - Cantal peg - 60 cm Pe pipe - 4/7 fitting	4/7	grey	41	3,86
OSA027	3/8" anti-insect Rondo RFR - Meteor 44 - Cantal peg - 60 cm Pe pipe - 4/7 fitting	4/7	grey	53	3,86
OSA028	3/8" anti-insect Rondo RFR - Meteor 44 - Cantal peg - 60 cm Pe pipe - 4/7 fitting	4/7	grey	70	3,86
OSA029	3/8" anti-insect Rondo RFR - Meteor 44 - Cantal peg - 60 cm Pe pipe - 4/7 fitting	4/7	grey	95	3,86

*While stocks last

DES Sprinklers > Mini Sprinklers

> 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

Code	Flow-rate	Coupling	Colour		Box	€ cad
			Nozzle	Pin		
OSR010	191	3/8"	purple	blue	250	4,77
OSR011	235	3/8"	yellow	blue	250	4,77
OSR012	290	3/8"	brown	green	250	4,77
OSR013	341	3/8"	orange	green	250	4,77

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

> S2000



TECHNICAL FEATURES H 25 CM - 20 MH2O

Flow-rate	Colour	P _{max} mH2O	Nozzle Ø	Wet Ø mt	Wet Ø mt with range limiter
29	light blue	35	0,77	6,50	1,00
37	black	35	0,85	6,00	1,00
51	blue	35	1,00	6,50	1,40
61	dark blue	35	1,10	7,00	1,40
75	green	35	1,20	8,00	1,40
97	red	35	1,40	9,00	1,40
125	white	35	1,60	10,00	2,00
170	purple	35	1,80	9,50	n.d.
205	yellow	35	2,00	10,00	n.d.
260	brown	35	2,20	10,00	n.d.
300	orange	35	2,40	10,50	n.d.

Code	Flow-rate l/h	Coupling	Colour		Box	€/each
			Nozzle	Pin		
OSR020	29	3/8"	light blue	black	250	1,89
OSR021	37	3/8"	black	black	250	1,89
OSR022	51	3/8"	blue	black	250	1,89
OSR023	61	3/8"	dark blue	black	250	1,89
OSR024	75	3/8"	green	black	250	1,89
OSR025	97	3/8"	red	black	250	1,89
OSR026	125	3/8"	white	black	250	1,89
OSR027	170	3/8"	purple	dark blue	250	1,89
OSR028	205	3/8"	yellow	dark blue	250	1,89
OSR029	260	3/8"	brown	dark blue	250	1,89
OSR030	300	3/8"	orange	dark blue	250	1,89

DESCRIPTION

Application

- Fruit farming, nursery, horticulture

Specifics

- Dynamic sprinkler
- Insect protection
- 11 flow-rates available
- Working pressure: 1,5 ÷ 3,5 bar

Features

- Upwards positioning by peg
- Hanging-up hook
- Code colour for flow-rate identification
- Filtration: 120 mesh
- 3/8" conical female threaded fitting, micro thread
- Optional range limiter
- Trunk protector

Materials

- Polypropylene

Price List

DES Sprinklers > Mini Sprinklers Rivulis

> S2000 PC



TECHNICAL FEATURES H 25 CM

Flow-rate	Colour	P _{max} mH2O	Wet Ø mt	Wet Ø mt with range limiter
24	black	35	5,00	1,50
31	blue	35	5,00	1,50
41	dark blue	35	5,50	1,50
53	green	35	6,00	1,50
70	red	35	7,00	1,50
95	white	35	7,50	1,50



DESCRIPTION

Application

- Fruit farming, nursery, horticulture

Specifics

- Self-compensating dynamic sprinkler
- Insect protection
- 6 flow-rates available
- Working pressure: 1,5 ÷ 3,5 bar

Features

- Upwards positioning by peg
- Hanging-up hook
- Code colour for flow-rate identification
- Filtration: 120 mesh
- 3/8" conical female threaded fitting, micro thread
- Optional range limiter
- Trunk protector

Materials

- Polypropylene

Code	Flow-rate l/h	Coupling	Colour		Box	€/each
			Nozzle	Pin		
OSR031	24	3/8"	black	grey	250	2,17
OSR032	31	3/8"	blue	grey	250	2,17
OSR033	41	3/8"	dark blue	grey	250	2,17
OSR034	53	3/8"	green	grey	250	2,17
OSR035	70	3/8"	red	grey	250	2,17
OSR036	95	3/8"	white	grey	250	2,17

Sprinklers > Mini Sprinklers



> 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 colour	Box	€/each
AIS217	AIS207	295	3/4"M	lime	1	15,09
AIS218	AIS208	388	3/4"M	lavender	1	15,09
AIS219	AIS209	500	3/4"M	grey	1	15,09
AIS220	AIS210	618	3/4"M	turquoise	1	15,09

Other flow-rates on request

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			

Price List

Sprinklers > Mini Sprinklers

Aspersione



> Rain Bird Series LF



DESCRIPTION

- Low flow-rate full circle sprinkler

Application

Specifics

- ½" (13 mm) BSP male coupling
- Recommended working pressure: 2,1 bar ÷ 3,1 bar
- Bushes flow-rates:
LF1200: 270 l/h - 480 l/h
(mm diameter: 1,98/2,18/2,39/2,59/2,76)
LF 2400: 450 l/h - 910 l/h
(mm diameter: 2,76/2,97/3,18/3,38/3,63)
- Throws:
LF1200: 7,32 mt/11,0 mt
LF2400: 9,14 mt/13,72 mt
- Angle:
LF1200: 6°/10°/12°/16°/17°/21°
LF2400: 10°/13°/15°/22°
- Normal positioning distances:
from 8 mt x 8 mt to 15 mt x 15 mt

During order placement, please specify: body, bush and deflector
The final overall price is the sum of these 3 components

BODY

Code	Description	Box	€/each
AIR513	LF1200 body and ½" NPT mechanism	100	6,95
AIR514	LF2400 body and ½" NPT mechanism	100	6,95
OSR002	Edge Guard limiter	64	5,14

LF1200 BUSH

Code	Description	Box	€/each
UR307	05 (Blue)	200	0,39
UR308	44 (Orange)	200	0,39
UR309	06 (Purple)	200	0,39
UR310	38 (Yellow)	200	0,39
UR311	07 (Green)	200	0,39
UR312	30 (Brown)	200	0,39

LF1200 DEFLECTOR

Code	Description	Box	€/each
UR313	6° (Purple)	200	0,55
UR314	10° (White)	200	0,55
UR315	12° (Cyan)	200	0,55
UR316	12P (Pink)	200	0,55
UR317	16° (Red)	200	0,55
UR318	17° (Light blue)	200	0,55
UR319	21° (Green)	200	0,55

LF2400 BUSH

Code	Description	Box	€/each
UR510	07 (Green)	200	0,39
UR511	30 (Brown)	200	0,39
UR512	08 (Red)	200	0,39
UR513	29 (Black)	200	0,39
UR514	09 (Silver)	200	0,39

LF2400 DEFLECTOR

Code	Description	Box	€/each
UR515	10° (Light green)	200	0,55
UR516	13° (Red)	200	0,55
UR517	15° (Orange)	200	0,55
UR518	22° (Green)	200	0,55

> SC10 series



NEW

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	€	Code	Model	€
420	Blue	OSR600	SC10 standard	7,42	OSR605	SC10 self-comp.	7,95
500	Yellow	OSR601	SC10 standard	7,42	OSR606	SC10 self-comp.	7,95
580	Green	OSR602	SC10 standard	7,42	OSR607	SC10 self-comp.	7,95
750	Red	OSR603	SC10 standard	7,42	OSR608	SC10 self-comp.	7,95
350	Brown	OSR604	SC10 standard	7,42	OSR609	SC10 brown	7,95

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 OMKRO57) combined with the red nozzle sprinkler for the full circle

Price List



Sprinklers > Impact

> SI 22



Code	Description	Nozzles number	€
OSR960	SI 22 full circle sprinkler	2	5,61

Colore	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	10,01

Colore	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	9,57

Colore	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	12,87

Colore	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	7,04

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



Price List

Sprinklers > Impact

Aspersión

> AIR110



DESCRIPTION

- 1/2" male coupling
- Angle: 7°
- Throw: 9,5 mt

Specifics

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

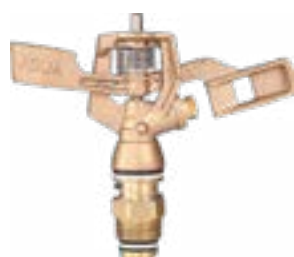
Features

- 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	18,70

> AIR111



DESCRIPTION

- Coupling: 1/2" male
- Angle: 15°
- Throw: 11 mt

Specifics

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

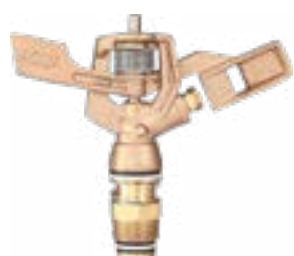
Features

- 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	18,70

> AIR112



DESCRIPTION

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

Specifics

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

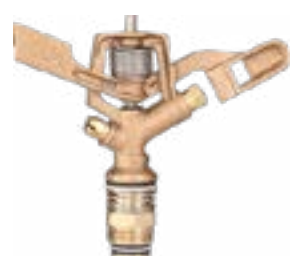
Features

- 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	18,70

> AIR114



DESCRIPTION

- Coupling: 1/2" male
- Angle: 27°
- Throw: 13,20 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	22,55

> AIR115



DESCRIPTION

- Coupling: 1/2" male
- Angle: 33°
- Throw: 17,50 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	35,75

Price List



Sprinklers > Impact

> AIR116



DESCRIPTION

- Coupling: 1" male
- Angle: 27°
- Throw: 21,25 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	56,10

> AIR100



DESCRIPTION

- Coupling: 1/2" male
- Angle: 25°
- Throw: 11,5 mt

Specifics

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

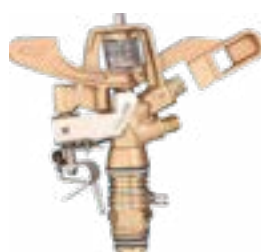
Features

- 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	22,66

> AIR095



DESCRIPTION

- Coupling: 3/4" male
- Angle: 25°
- Throw: 15,0 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	39,27

> AIR098



DESCRIPTION

- Coupling: 1" male
- Angle: 23°
- Throw: 17,7 mt

Specifics

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

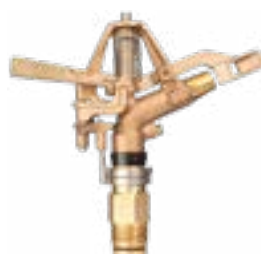
Features

- 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	82,28

> AIR099



DESCRIPTION

- Coupling: 1 1/4" male
- Angle: 23°
- Throw: 25,7 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	218,90



Price List

Sprinklers > Impact

> Funny



Sector



Circular

Code	Description	€
AIR032	1" female, Funny sector sprinkler	62,15
AIR033	1" female, Funny circular sprinkler	46,20

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	99,00
AIR029	1"¼ female circular K1 sprinkler	76,45

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

Price List



Irrifast System > Spraying System, PN6 Quick Coupling

Aspersione



Code	Description	Ø mm	€	
RRT075	Fittings Hydrant	63	5,20	
RRT076	Fittings Hydrant	75	8,00	
RRT077	Fittings Hydrant	90	9,20	
RRT078	Fittings Hydrant	110	13,80	
RRT123	Fittings PVC white riser pipe H. cm 33	1"	1,10	
RRT126	Fittings PVC white riser pipe H. cm 110	1"	3,10	
RRT031	Fittings "T"	63 x 63	8,50	
RRT032	Fittings "T"	75 x 75	14,30	
RRT033	Fittings "T"	90 x 75	14,40	
RRT034	Fittings "T"	90 x 90	18,10	
RRT035	Fittings "T"	110 x 75	22,30	
RRT036	Fittings "T"	110 x 90	22,30	
RRT037	Fittings "T"	110 x 110	24,40	
RRT066	Fittings Elbow	50	7,50	
RRT067	Fittings Elbow	63	8,00	
RRT068	Fittings Elbow	75	11,20	
RRT069	Fittings Elbow	90	14,40	
RRT070	Fittings Elbow	110	22,30	
RRT174	Fittings Male head latch	50	2,70	
RRT175	Fittings Male head latch	63	2,80	
RRT176	Fittings Male head latch	75	4,00	
RRT177	Fittings Male head latch	90	4,80	
RRT178	Fittings Male head latch	110	7,30	
RRT084	Fittings Female head latch	50	1,10	
RRT085	Fittings Female head latch	63	1,10	
RRT086	Fittings Female head latch	75	2,10	
RRT087	Fittings Female head latch	90	2,90	
RRT088	Fittings Female head latch	110	6,30	
RRT130	Fittings Female cap	50	1,20	
RRT131	Fittings Female cap	63	1,30	
RRT132	Fittings Female cap	75	2,70	
RRT133	Fittings Female cap	90	3,80	
RRT134	Fittings Female cap	110	7,20	
RRT114	Fittings Male cap	50	2,80	
RRT115	Fittings Male cap	63	2,90	
RRT116	Fittings Male cap	75	4,80	
RRT117	Fittings Male cap	90	5,10	
RRT118	Fittings Male cap	110	8,30	
RRT054	Fittings Reduction	75 x 50	7,30	
RRT055	Fittings Reduction	75 x 63	7,40	
RRT056	Fittings Reduction	90 x 75	9,60	
RRT057	Fittings Reduction	110 x 75	12,10	
RRT058	Fittings Reduction	110 x 90	13,30	
RRT059	Fittings Reduction	125 x 90	20,20	
RRT004*	Fittings Cross	75 x 50	12,80	
RRT005	Fittings Cross	75 x 63	13,00	
RRT006	Fittings Cross	75 x 75	14,90	
RRT007	Fittings Cross	90 x 75	17,50	
RRT008	Fittings Cross	90 x 90	19,10	
RRT009	Fittings Cross	110 x 75	23,90	
RRT010	Fittings Cross	110 x 90	25,50	
RRT011	Fittings Cross	110 x 110	31,80	
RRT135	Fittings Pump connector 1"½ M	50 M	9,60	
RRT136	Fittings Pump connector 2" M	63 M	11,20	
RRT013	Fittings Pump connector 2"½ M	75 M	13,50	
RRT014	Fittings Pump connector 3" M	90 M	18,10	
RRT015	Fittings Pump connector 4" M	110 M	23,90	
RRT106	Fittings Pump connector 1"½ F	50 F	9,10	
RRT107	Fittings Pump connector 2" M	63 F	10,00	
RRT108	Fittings Pump connector 2"½ M	75 F	12,00	
RRT109	Fittings Pump connector 3" M	90 F	15,90	
RRT110	Fittings Pump connector 4" M	110 F	22,30	
RRT127	Fittings Adapter F/F	1" x ¾"	0,45	
RRT098	Pipe 6 mt PN6 pipe with quick coupling	50	20,20	
RRT099	Pipe 6 mt PN6 pipe with quick coupling	63	24,40	
RRT100	Pipe 6 mt PN6 pipe with quick coupling	75	34,00	
RRT101	Pipe 6 mt PN6 pipe with quick coupling	90	47,70	
RRT102	Pipe 6 mt PN6 pipe with quick coupling	110	76,40	
RRT104	Pipe 6 mt PN6 pipe with quick coupling	140	143,10	

Only Ø 90 available, other Ø on request - *While stocks last



Price List

Accessories >

> Micro Hose

Code	Use	Material	Ø _{int/est} mm	Box mt	€/mt	
OTB080	Sprinkling system	Black PVC	4/7	200	0,40	
OTB085	Sprinkling system	White PVC	4/7	200	0,39	
OTB100	130 l/h max sprinkling	Black PE	4/7	200	0,32	
OTB086	130 l/h max sprinkling	White PE	4/7	200	0,35	

> Micro-Sprinklers Fittings

Code	Description	Box	€/each	
RMP880	Fitting 4/7 x 4/7	100	0,08	
RMP881	Fitting 4/7 x male	100	0,08	
RMP882	Fitting Ø 4/7 x female	100	0,21	
RMP883	Fitting Ø 3/8 x female	100	0,36	

> Accessories for Micro and Mini Sprinklers

Code	Description	€	
RMP950	Ø 9/13 - 7/10 coupling x PE hose starter	0,24	
RTA067	Cap 9/13 x starter 10 mm Superstart-PSS12	0,31	
RLF001	Lay-Flat starter for 10 mm hose	1,19	
OSR251	FNF - quick coupling	0,67	
RSTD022	Self-compensating stand 540 l/h max - Pe hose Ø 12 mm x 120 cm	3,50	
RSTD025	Normal stand - PE pipe 12 mm x 120 cm	2,28	
OAT250	Iron stake (8 mm Ø x 120 cm)	2,92	
OCL015	Quickstand quick coupling hose holder	46,24	
OMKR057	180° street protection for SC-10	2,06	

Aspersión

Price List



DES Accessories >

> Micro Hose Sprinklers Kit

Code	Description	Box	€/each	
OSA106	Assembled stands for Rondo/FRF 60 cm 4/7 PE hose + conical IN/OUT fittings	1	1,27	
OSA108	Assembled stands for Rondo/FRF 60 cm 4/7 PE hose + conical fitting Out M	1	0,98	
OSA112	Assembled stands for Rondo/FRF 60 cm 4/7 PE hose + fitting IN 4/7	1	0,74	
OSA114	Assembled stands for Rondo/FRF double FLF and cross 35 cm 4/7 PE hose + fitting IN 4/7 x out conical M + stabilizer	1	2,18	
OSA119	Stand (4/7 35 cm hose) with fittings + stabilizer for single FLF	500	2,54	

> Stand for Sprinklers

Code	Description	Features - Application	Input	Output	Box	€/each	
OSA105	Cantal peg - 35 cm	Meteor #44 support	-	-	550	0,42	
OSA104	Hammer peg	Rondo, RFR, Jet+, JFR, S2000	4 x 7 mm	3/8"	500	0,63	
OSA100	Meteor 44 support	Rondo, RFR, Jet+, JFR, S2000, Super XL	4 x 7 mm	3/8"	500	0,20	
OSA115*	Meteor 75 support	Rondo, RFR, Jet+, JFR	1/8"	3/8"	1	0,34	
OSA102	Meteor 47 support	Rondo, RFR, Jet+, JFR	5 x 8 mm	3/8"	500	0,36	
OSA141	Meteor 14 support	Rondo, S2000, Super XL	PE 10 x 12 mm	3/8"	500	0,27	
OSA142	Meteor 14 support	Rondo, S2000, Super XL	PVC 9 x 13 mm	3/8"	500	0,27	
OSA143	Meteor 54 support	Rondo 3/8", Jet+, RFR, JFR, Super XL	5 x 8 mm	3/8"	500	0,27	
OSA144	Meteor 46 support - PC 1,5 bar	Tornado Take-Apart	4 x 7 mm	1/2"	500	2,52	
OSA116	Meteor 17 support - PC 2,5 bar	Rondo, S2000, Super XL	9 x 13 mm	3/8"	500	2,52	
OSA103	Stabilizer	For micropipe 4/7	-	-	400	0,81	

*While stocks last

FILTRATION



**PLASTIC FILTERS
METAL FILTERS
HYDROCYCLON
ASPIRATION
AUTOMATIC FILTERS
GRAVEL FILTERS
ACCESSORIES AND SPARE PARTS**

SUMMARY 1

Price List

Manual Filters > Plastic

> Screen Filter

Code	Coupling Ø	Screen material	Q _{max} m ³ /h	€	
AFL120	½"	polyamide	5	8,90	
AFL121	¾"	polyamide	5	8,90	
AFL122	1"	polyamide	6	9,30	
AFL123	1¼"	polyamide	9	19,70	
AFL124	1½"	polyamide	10	26,20	
AFL125	2"	stainless steel	23	84,50	
AFL126	3"	stainless steel	46	153,40	

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} m ³ /h	€	
AFL127	2"	Short	40	226,70	
AFL128	2"	Long	48	289,10	
AFL129	3"	Long	60	289,10	

DESCRIPTION

Application

- Security or primary filter for medium/small irrigation systems

Specifics

- Filtering element: 120 mesh standard
- Maximum working pressure: 10 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

- Pressure gauge (¼")
- Filter cap set for discharge valve

Materials

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



Price List

Manual Filters > Plastic

> Semi-automatic Reinforced Body Screen



Code	Coupling Ø	Body	Q _{max} m ³ /h	€	
AFL130	2"	Short	40	318,00	
AFL131	3"	Long	60	429,30	

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

- Pressure gauge (1/4")
- Filter cap set for discharge valve

Materials

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

> Swivel disk filter TS

Code	Coupling Ø	Q _{max} m ³ /h	€	
AFL549	3/4"	3	29,20	
AFL550	1"	5	29,20	
AFL551	1 1/2"	12	118,70	
AFL552	2"	20	136,00	

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

- Pressure gauge
- 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	23,90	
AFL146	1"	6	23,90	
AFL147	1 1/4"	10	55,30	
AFL148	1 1/2"	14	55,30	

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

- Pressure gauge
- Filter cap set for discharge valve

Materials

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

Price List

Manual Filters > Plastic

> Disks Series MT

Code	Coupling Ø	Q _{max} m³/h	€	
AFL397	2"	40	211,20	
AFL386	3"	50	247,70	

DESCRIPTION

Application

- Security filter for agriculture

Specifics

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

Features

- Pressure gauge
- Filter cap set for discharge valve

Materials

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



> Disk Series SD

Code	Body	Coupling Ø	Q _{max} m³/h	€	
AFL420	Short single	2"	20	157,40	 2 WAYS
AFL424	Short single	2"	20	174,70	
AFL421S	Long single	2"L	35	232,80	 3 WAYS
AFL421	Long single	3"	45	236,00	

DESCRIPTION

Application

- Security filter for agriculture

Specifics

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

Features

- Pressure gauge
- Filter cap set for discharge valve

Materials

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



> Double Disk

Code	Coupling Ø	Q _{max} m³/h	€	
AFLT429	3"	60	368,00	
AFLT430	4"	80	400,00	
AFLT431	6" Vic	160	962,00	

DESCRIPTION

Application

- Security filter for agriculture

Specifics

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

Features

- Pressure gauge
- Filter cap set for discharge valve

Materials

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



Price List

Manual Filters > Metal

> "Y" Screen

Code	Coupling Ø	Q _{max} m ³ /h	€	
AFL574	DN80	50	571,00	
AFL575	DN100	80	694,00	
AFL576	DN125	110	878,00	
Threaded on request				

> "Y" Screen STF

Code	Coupling Ø	Q _{max} m ³ /h	€	
AFL600	2" Threaded M	20	596,00	
AFL601	DN80 Flanged	40	763,00	
AFL603	DN100 Flanged	100	1.141,00	
AFL604	DN125 Flanged	100	1.387,00	
AFL605	DN150 Flanged	150	1.854,00	
AFL606	DN200 Flanged	300	4.963,00	
AFL607	DN250 Flanged	400	6.025,00	
AFL608	DN300 Flanged	475	8.225,00	

> "L" Screen STF

Code	Coupling Ø	Q _{max} m ³ /h	€	
AFL1830	2" threaded M	20	574,00	
AFL1831	DN80	40	666,00	

> "L" Screen

Code	Coupling Ø	Q _{max} m ³ /h	€	
AFL563	2" long threaded M	30	743,00	
AFL565	3" threaded M	40	839,00	

DESCRIPTION

Application

- Security filter for agriculture

Specifics

- Maximum working pressure: 6 bar
- Coupling: flanged (thread on request)
- Filtering element: nylon socket
- Closing cap: screw
- Support: stainless steel
- Filtering element: 140 mesh standard
- 1" F connector upstream of the filter

Features

- Filter cap for discharge valve
- Horizontal installation

Materials

- Body and cap: galvanized steel
- Filtering screen: stainless steel bucket -
- polyester screen
- Seals: EPDM

DESCRIPTION

Application

- Security filter for agriculture

Specifics

- Maximum working pressure: 10 bar
- Coupling: 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

DESCRIPTION

Application

- Security filter for agriculture

Specifics

- Maximum working pressure: 8 bar
- Coupling: female threaded
- Filtering element: stainless steel screen 140 mesh
- Closing cap: screw
- Installation: vertical

Features

- Filter cap for discharge valve
- Input/output: 90°

Materials

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

DESCRIPTION

Application

- Security filter for agriculture

Specifics

- Maximum working pressure: 8 bar
- Coupling: female threaded
- Filtering element: stainless steel screen 140 mesh
- Closing cap: screw
- Installation: vertical

Features

- Filter cap for discharge valve
- Input/output: 90°

Materials

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

Price List

Manual Filters > Metal

> "Y" Cyclon Effect Screen STF

Code	Coupling Ø	Q _{max} m³/h	€	
AFL630	2" Male threaded	38	792,00	
AFL631	DN80 Flanged	55	918,00	
AFL632	DN100 Flanged	65	1.354,00	
AFL633	DN125 Flanged	65	1.491,00	
AFL634	DN150 Flanged	115	2.510,00	

DESCRIPTION

Application

- Cyclon effect 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: 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

> Disks "Y"

Code	Coupling Ø	Q _{max} m³/h	€	
AFL581	DN80	40	571,00	
AFL582	DN100	75	694,00	

DESCRIPTION

Application

- Security filter for agriculture

Specifics

- Maximum working pressure: 6 bar
- Coupling: flanged (threaded on request)
- Filtering element: stainless steel screen 120 mesh
- Closing cap: screw

Features

- Filter cap set for discharge valve
- Horizontal installation

Materials

- Body and cap: galvanized steel
- Filtering disks: polypropylene
- Seals: EPDM

> Semi-automatic Disk Filter

Code	Coupling Ø	Q _{max} m³/h	€	
AFL157	3"	36	810,00	
AFL159	DN80	36	810,00	
AFL158	4"	72	889,00	
AFL160	DN100	72	889,00	

DESCRIPTION

Application

- Semi-automatic disk filter with manual backwash

Specifics

- Maximum pressure
- Filtering element
- 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} m³/h	€	
AFLB400	DN100	1	72	2.415,00	
AFLB402	DN150	2	140	6.010,00	
AFLB403	DN150	3	210	8.964,00	

Other versions on request

DESCRIPTION

Application

- Preassembled filtering system with hydrocyclon and screen filter

Specifics

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

Features

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

Materials

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



Manual Filters > Hydrocyclon

> Plastic Hydrocyclon Series S

Code	Coupling Ø	Q _{max} m ³ /h	€	
AFL695	DN63	15 ÷ 25	351,00	
AFL696	DN75	25 ÷ 40	402,00	
AFL697	DN80	35 ÷ 52	440,00	

DESCRIPTION

Application

- Cyclonic effect filter for sand separation

Specifics

- Maximum pressure: 6 bar
- Couplings: standard threaded, flanged or victaulic on request

Features

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

Materials

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

> Painted Hydrocyclon

Code	Description	Coupling Ø		Q _{max} m ³ /h	€	
AFL510	Mini hydrocyclon	¾"	Male	3 ÷ 5	253,00	
AFL511	Mini hydrocyclon	1"	Male	5 ÷ 10	279,00	
AFL512	Mini hydrocyclon	1"¼	Male	7 ÷ 12	281,00	
AFL517	Mini hydrocyclon	1"½	Male	9 ÷ 15	316,00	
AFL513	Hydrocyclon	2"	Male	14 ÷ 24	439,00	
AFL523	Hydrocyclon	2"½	Male	25 ÷ 30	445,00	
AFL514-F	Hydrocyclon	3"	Male	30 ÷ 35	720,00	
AFL515-F	Hydrocyclon	4"	Male	35 ÷ 60	787,00	
AFL514	Hydrocyclon	DN80	Flanged	30 ÷ 35	720,00	
AFL515	Hydrocyclon	DN100	Flanged	35 ÷ 60	787,00	
AFL524*	Hydrocyclon	DN150	Flanged	85 ÷ 160	2.977,00	

*Available on request - galvanized hydrocyclones available on request

DESCRIPTION

Application

- Cyclonic effect filter for sand separation

Specifics

- Maximum pressure: 6 up to 1"¼ bar, other 8 bar
- Couplings: threaded, flanged DN80 and DN100

Features

- Inspectable tank for sand collection included
- Discharge valve
- Self-supporting for an easy installation
- 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	1.416,00	
AVF021	DN150	180	1.843,00	
AVF022	DN200	300	2.349,00	

DESCRIPTION

Application

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

Specifics

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

Price List

Automatic filters >

> Disk Filtering Stations SD-CLEAN



Filtration



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) - Filton 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	3.563,00	3.888,00
AFL1062	SD-CLEAN 3x2"	3	2" x 2" x 2"	60	4.670,00	5.033,00
AFL1063	SD-CLEAN 4x2"	4	2" x 2" x 2"	80	5.750,00	6.113,00
AFL1068	SD-CLEAN 2x2"L	2	2" x 2" x 2"	52	3.855,00	4.180,00
AFL1069	SD-CLEAN 3x2"L	3	2" x 2" x 2"	78	4.951,00	5.314,00
AFL1070	SD-CLEAN 4x2"L	4	2" x 2" x 2"	104	6.301,00	6.664,00
AFL1060	SD-CLEAN 5x2"L	5	2" x 2" x 2"	130	7.827,00	8.262,00
AFL1064	SD-CLEAN 6x2"L	6	2" x 2" x 2"	175	8.520,00	9.288,00

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	3.774,00	4.018,00
AFL1066	SD-CLEAN 3x2"	3	2" x 2" x 2"	60	4.449,00	4.758,00
AFL1067	SD-CLEAN 4x2"	4	2" x 2" x 2"	80	5.448,00	5.757,00
AFL1071	SD-CLEAN 2x2"L	2	2" x 2" x 2"	52	3.871,00	4.115,00
AFL1072	SD-CLEAN 3x2"L	3	2" x 2" x 2"	78	4.573,00	4.882,00
AFL1073	SD-CLEAN 4x2"L	4	2" x 2" x 2"	104	5.988,00	6.297,00
AFL1074	SD-CLEAN 5x2"L	5	2" x 2" x 2"	130	7.074,00	7.442,00
AFL1075	SD-CLEAN 6x2"L	6	2" x 2" x 2"	175	7.967,00	8.392,00

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 61

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



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 m ³ /h
3"Double	15 m ³ /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} m ³ /h	€ without programme	€
AFL2068	SD-SUPERCLEAN 2x2"L	2	2" x 2" x 2"	52	3.833,00	4.158,00
AFL2069	SD-SUPERCLEAN 3x2"L	3	2" x 2" x 2"	78	5.146,00	5.508,00
AFL2070	SD-SUPERCLEAN 4x2"L	4	2" x 2" x 2"	104	6.568,00	6.966,00
AFL2071	SD-SUPERCLEAN 5x2"L	5	2" x 2" x 2"	130	7.719,00	8.154,00
AFL2072	SD-SUPERCLEAN 6x2"L	6	2" x 2" x 2"	156	8.790,00	9.558,00
AFL3003	SD-SUPERCLEAN 3x3"Double	3	3" x 2" x 3"	150	9.088,00	9.450,00
AFL3004	SD-SUPERCLEAN 4x3"Double	4	3" x 2" x 3"	200	11.806,00	12.204,00
AFL3005	SD-SUPERCLEAN 5x3"Double	5	3" x 2" x 3"	250	13.218,00	13.986,00

SD-SUPERCLEAN FILTER WITH POWER SUPPLY 12 V DC LATCH

Code	Model	Units	Valve Ø	Q _{max} m ³ /h	€ without programme	€
AFL2102	SD-SUPERCLEAN 2x2"L	2	2" x 2" x 2"	52	3.590,00	3.834,00
AFL2103	SD-SUPERCLEAN 3x2"L	3	2" x 2" x 2"	78	4.984,00	5.292,00
AFL2104	SD-SUPERCLEAN 4x2"L	4	2" x 2" x 2"	104	6.442,00	6.750,00
AFL2105	SD-SUPERCLEAN 5x2"L	5	2" x 2" x 2"	130	7.571,00	7.938,00
AFL2106	SD-SUPERCLEAN 6x2"L	6	2" x 2" x 2"	156	8.917,00	9.342,00
AFL3103	SD-SUPERCLEAN 3x3"Double	3	3" x 2" x 3"	150	8.926,00	9.234,00
AFL3104	SD-SUPERCLEAN 4x3"Double	4	3" x 2" x 3"	200	11.680,00	11.988,00
AFL3105	SD-SUPERCLEAN 5x3"Double	5	3" x 2" x 3"	250	13.403,00	13.770,00

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 61

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
3 x 3"Double	128	90	60
4 x 3"Double	170	120	80
5 x 3"Double	213	150	100

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

Price List

Automatic filters >

> 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: stainless steel
- Filtering screen: stainless steel
- Filtering screen support: co-pressed polypropylene
- Bucket reinforce structure: stainless steel sheet

SF 100 FILTERS WITH PP CARTRIDGE

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	3.570,00
AFL700	PP	DN80	90	3.798,00
AFL701	PP	DN100	150	4.958,00
AFL702	PP	DN150	250	7.602,00

> 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 - 0,33Cv
- 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 (co-pressed on request)
- Bucket reinforce structure: stainless steel sheet

SF 100 FILTERS WITH STAINLESS STEEL CARTRIDGE

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	10.971,00
AFL801	Stainless steel	DN80	140	11.174,00
AFL802	Stainless steel	DN100	200	11.904,00
AFL803	Stainless steel	DN150	350	13.787,00



Price List

Automatic filters >

> Horizontal Screen Filter STF Series SF 400 Hydraulic



DESCRIPTION

Application

- Horizontal, automatic screen filter for agriculture

Specifics

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

Features

- Water input pre-filtering bucket
- Unit control supply: 220V Ac - battery (4x1,5V)
- Hydraulic safety-related control

Materials

- Filter body: epoxy/polyester painted steel
- Filtering screen: stainless 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	
AFL403	1.600	110	60	50	35	25
AFL404	3.200	150	100	75	55	49
AFL406	4.800	200	160	135	95	110
AFL408	6.400	260	230	180	120	178
AFL410	8.000	350	270	200	150	238

Code	Ø _{flange}	Q _{nom} m ³ /h	€
AFL403	3" - IN/OUT DN80	110	7.491,00
AFL404	4" - IN/OUT DN100	150	7.690,00
AFL406	6" - IN/OUT DN150	200	8.758,00
AFL408	8" - IN/OUT DN150	260	9.805,00
AFL410	10" - IN/OUT DN150	350	11.127,00

Note: electrical SF 400 available on request

> 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	18.338,00
AFL711	DN100	180	22.591,00
AFL712	DN150	350	27.052,00
AFL713	DN200	590	30.582,00
AFL724	DN250	900	32.957,00
AFL715	DN300	1.000	43.283,00
AFL716	DN350	1.350	47.061,00

Price List

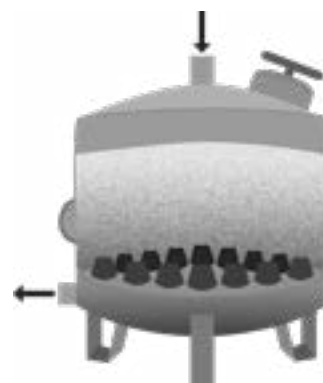
Gravel Filters >



Filtration



Water flow passing through gravels and filtration nozzles (reversed in backwash)



> Single Chamber

Code	Description	Ø mm	Input/ Output	Q _{max} m³/h	€	
AFLT001	Painted	500	2"	18	1.085,00	
AFLT008	Painted	750	3"/76 vt	40	1.422,00	
AFLT037	Painted	900	89/89 vt	62	1.854,00	
AFLT032	Painted	950	89/89 vt	68	1.854,00	
AFLT036	Painted	1.200	DN100	120	3.124,00	
AFLT011	Galvanized	500	2"	18	1.169,00	
AFLT014	Galvanized	750	3"/76 vt	40	1.545,00	
AFLT015	Galvanized	950	89/89 vt	68	1.966,00	

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



Price List

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	1.629,00
AFLB029	750	3"F/3"M	Ø 63 PE	40,0	2.483,00
AFLB111	950	3"F/89 vt	3"	60,0	3.489,00



DESCRIPTION

Application

- Surface waters, lakes, channels

Specifics

- Maximum pressure: 8 bar
- Filtration element: 0,8 ÷ 1,2 mm quartz
- Couplings: threaded

Features

- Backnut ball valve in PVC input/output water and discharge backwash
- Security filter 2" and 3"
- Input filter water backwash 2"
- Manometer

Code	Ø mm	Weight kg		Filtration nozzles nr
		Body	Gravel	
AFLB007	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
- Filtering element: quartzite gravel (0,8/1,2 mm)
- Fittings: flanged

Features

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

Code	Units	Body finishing	Ø mm	Ø manifold couplings	Q _{max} m ³ /h	Gravel kg	€
AFLB030	2	galv./painted	500	DN80 Flanged	36	250	4.011,00
AFLB063	2	galv./painted	750	DN100 Flanged	80	525	5.223,00
AFLB032	3	galv./painted	750	DN125 Flanged	129	800	7.403,00
AFLB033	2	painted	900	DN125 Flanged	124	700	7.263,00
AFLB034	3	painted	900	DN150 Flanged	186	1.050	10.235,00
AFLB061	2	galv./painted	950	DN125 Flanged	136	750	7.263,00
AFLB062	3	galv./painted	950	DN150 Flanged	204	1.150	10.235,00

Note: gravel not included

While placing the order, please specify the requested finishing operations

Price List

Gravel Filters >

> 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 (8 batteries x 1,5 V not included)

CONTROL UNIT WITH BATTERY - POWER SUPPLY 9 V DC

Code	Units	Body finishing	Ø mm	Ø manifold couplings	Q _{max} m ³ /h	Gravel kg	€*
AFLB010	2	galv./painted	500	DN80 Flanged	36	250	5.269,00
AFLB016	2	galv./painted	750	DN100 Flanged	86	525	6.718,00
AFLB018	3	galv./painted	750	DN125 Flanged	129	800	9.744,00
AFLB038	2	painted	900	DN125 Flanged	124	700	8.761,00
AFLB039	3	painted	900	DN150 Flanged	186	1.050	11.845,00
AFLB017	2	galv./painted	950	DN125 Flanged	136	750	8.761,00
AFLB019	3	galv./painted	950	DN150 Flanged	204	1.150	11.845,00
AFLB046	2	painted	1.200	DN200 Flanged	240	1.200	13.315,00
AFLB056	3	painted	1.200	DN200 Flanged	360	1.800	20.122,00

CONTROL UNIT WITH BATTERY - POWER SUPPLY 230 V AC

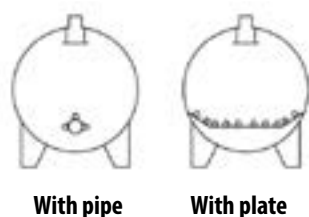
Code	Units	Body finishing	Ø mm	Ø manifold couplings	Q _{max} m ³ /h	Gravel kg	€*
AFLB020	2	galv./painted	500	DN80 Flanged	36	250	5.438,00
AFLB040	2	galv./painted	750	DN100 Flanged	86	525	6.886,00
AFLB022	3	galv./painted	750	DN125 Flanged	129	800	9.744,00
AFLB044	2	painted	900	DN125 Flanged	124	700	8.761,00
AFLB045	3	painted	900	DN150 Flanged	186	1.050	12.036,00
AFLB042	2	galv./painted	950	DN125 Flanged	136	750	8.761,00
AFLB043	3	galv./painted	950	DN150 Flanged	204	1.150	12.036,00
AFLB057	2	painted	1.200	DN200 Flanged	240	1.200	13.540,00
AFLB049	3	painted	1.200	DN200 Flanged	360	1.800	20.340,00

Note: gravel not included

While placing the order, please specify the requested finishing operations

*Version without control unit available on request

> 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	2.124,00
AFL204	With pipe	DN80	32	600	350	13 ÷ 50	2.798,00
AFL205	With pipe	DN100	42	750	600	30 ÷ 70	3.573,00
AFL206	With pipe	DN125	60	900	850	40 ÷ 100	4.336,00
AFL204-P	With plate	DN80	52	600	250	12 ÷ 50	2.882,00
AFL205-P	With plate	DN100	66	750	500	28 ÷ 70	3.651,00
AFL206-P	With plate	DN125	112	900	750	35 ÷ 100	4.437,00

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 (8 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	Description	Power	Ø flange	Filt. nozzles nr	Body Ø mm	Gravel kg	Q m³/h	€
AFL208	With pipe	D.C.	2" F	14	400	100	5 ÷ 15	3.365,00
AFL210	With pipe	D.C.	DN80	32	600	350	13 ÷ 50	4.371,00
AFL211	With pipe	D.C.	DN100	42	750	600	30 ÷ 70	5.033,00
AFL212	With pipe	D.C.	DN125	60	900	850	40 ÷ 100	6.021,00
AFL210-P	With plate	D.C.	DN80	52	600	250	12 ÷ 50	4.258,00
AFL211-P	With plate	D.C.	DN100	66	750	500	28 ÷ 70	4.909,00
AFL212-P	With plate	D.C.	DN125	112	900	750	35 ÷ 100	5.875,00

*Version without control unit available on request

Note: gravel not included

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

Price List

Accessories and Spare Parts >

> 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	275,00
FCL623	2 outputs manifold	galvanized	2	750	DN100	2" M	¼" F	¾" F	404,00
FCL612	2 outputs manifold	galvanized	2	750	DN100	76 Vic	¼" F	-	404,00
FCL616	2 outputs manifold	galvanized	2	950	DN125	89 Vic	¼" F	¾" F	538,00
FCL076Z	2 outputs manifold	galvanized	2	1.200	DN150	89 Vic	¼" F	¾" F	779,00
FCL620	3 outputs manifold	galvanized	3	750	DN125	2" M	¼" F	¾" F	661,00
FCL310	3 outputs manifold	galvanized	3	750	DN125	76 Vic	¼" F	-	712,00
FCL201	3 outputs manifold	galvanized	3	950	DN150	89 Vic	¼" F	¾" F	710,00
FCL600	2 outputs manifold	painted	2	500	DN80	2" M	¼" F	¾" F	285,00
FCL624	2 outputs manifold	painted	2	750	DN100	2" M	¼" F	¾" F	400,00
FCL628	2 outputs manifold	painted	2	750	DN100	76 Vic	¼" F	-	440,00
FCL614	2 outputs manifold	painted	2	950	DN125	89 Vic	¼" F	¾" F	555,00
FCL621	2 outputs manifold	painted	2	1.200	DN150	114 Vic	¼" F	¾" F	782,00
FCL622	2 outputs manifold	painted	2	1.200	DN150	DN100	¼" F	-	977,00
FCL620V	3 outputs manifold	painted	3	750	DN125	2" M	¼" F	¾" F	605,00
FCL310V	3 outputs manifold	painted	3	750	DN125	76 Vic	¼" F	-	651,00
FCL240	3 outputs manifold	painted	3	950	DN150	89 Vic	¼" F	¾" F	646,00

> Gravel

Code	Description	mm granulometry	€
AAC939	Gravel - sack 25 kg	0,4 ÷ 0,8*	10,58
AAC940	Gravel - sack 25 kg	0,8 ÷ 1,2	10,58
AAC948	Gravel quartz grit - sack 25 kg	1,0 ÷ 2,0*	10,58
AAC946	Gravel quartz grit - sack 25 kg	1,0 ÷ 3,0*	11,16



1 pallet contains 63 sacks for a total weight of 1.575 kg

Different granulometry sand available on request

Ex works

*On request

Accessories and Spare Parts >

> Various Fittings

Code	Description	Couplings		€	
FGS003	Victaulic coupling Style75	2"	60 victaulic	13,00	
FGS004	Victaulic coupling Style75	2"½	76 victaulic	14,00	
FGS005	Victaulic coupling Style75	3"	88,9 victaulic	21,00	
FGS006	Victaulic coupling Style75	4"	114,3 victaulic	23,50	
FTS108	Victaulic Flange	2"	60 victaulic	34,00	
FTS109	Victaulic Flange	2"½	76 victaulic	40,00	
FTS110	Victaulic Flange	3"	88,9 victaulic	45,50	
FTS111	Victaulic Flange	4"	114,3 victaulic	76,50	
FTS113	Victaulic Flange	6"	168,3 victaulic	85,00	
FFA299	Male threaded flange	DN80 x 3"		61,00	
FFA300	Male threaded flange	DN100 x 4"		73,00	
FFA301	Male threaded flange	DN125 x 5"		114,00	
FTS286	Victaulic male adapter (100 mm lenght)	2" x 60		26,00	
FTS287	Victaulic male adapter (100 mm lenght)	2"½ x 76		26,00	
FTS284	Victaulic male adapter (100 mm lenght)	3" x 88,9		36,00	
FTS281	Victaulic male adapter (100 mm lenght)	4" x 114,3		40,00	
AAC677	Diffuser nozzle + dowel TS1 (mod.T - threat 15/16"W-L= 50 mm)			7,00	
OIV021	Hydrocyclon couplings kit (see page 53)	2"		234,00	
OIV023	Hydrocyclon couplings kit (see page 53)	3"		331,00	
FVF057	Backwash 3 ways manual valve	89VT x 2"M x 89VT		62,00	

Price List

Accessories and Spare Parts >

> Spare Cartridge for Filters

Filtration



Spare cartridge for screen filter				
Code	Mesh	Mat.	Model	€
AAC050	120	Poliammide	½" - ¾"	8,30
AAC051	120	Poliammide	1"	9,20
AAC052	120	Poliammide	1"¼	15,30
AAC053	120	Poliammide	1"½	15,20
AAC054	120	Rete Inox	2"	32,10
AAC055	120	Rete Inox	3"	51,30



AAC016	80	Rete Inox	1"	9,20
AAC045	80	Rete Inox	1"¼	15,30
AAC015	80	Rete Inox	1"½	15,20
AAC043	80	Rete Inox	2"	32,10
AAC013	80	Rete Inox	3"	51,30



Spare cartridge for screen filter with reinforced body				
Code	Mesh	Mat.	Model	€
AAC056	120	Rete Inox	2" corto	110,20
AAC057	120	Rete Inox	2" lungo - 3"	112,40



Spare cartridge for semi-automatic screen filter with reinforced body				
Code	Mesh	Mat.	Model	€
AAC041	120	Rete Inox	2"	106,80
AAC042	120	Rete Inox	3"	106,80



Spare filtration element for disk filter TS				
Code	Mesh	Mat.	Model	€
AAC0018	80	Disco	¾" - 1"	20,70
AAC0038	80	Disco	2"	83,50
AAC001	120	Disco	¾" - 1"	20,70
AAC002	120	Disco	1"½	69,70
AAC003	120	Disco	2"	83,50



Spare filtration element for disk filter MT				
Code	Mesh	Mat.	Model	€
AAC353	120	Disco	2"	114,00
AAC354	120	Disco	3"	122,50



Spare filtration element for disk filter SD				
Code	Mesh	Mat.	Model	€
AAC255	120	Disco	2" - 3" doppio	85,00
AAC258	120	Disco	3" singolo	169,60



Elemento filtrante ricambio filtro dischi doppio				
Code	Mesh	Mat.	Model	€
AAC221	120	Disco	3" - 4" doppio	83,50
AAC229	140	Disco	3" - 4" doppio	83,50



Monofilament sock for screen filter Ø 3" and 4"		
Code	Mesh	€
AAC691	120	22,10
AAC694	140	22,10
AAC695	150	22,10

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



Spare cartridge for screen filter STF Y - Y- Cyclone				
Code	Mesh	Mat.	Model	€
AAC784	120	Rete Inox	3"	249,00
AAC770	140	Rete Inox	3"	249,00
AAC787	200	Rete Inox	3"	249,00
AAC774	80	Rete Inox	4" - 5"	380,00
AAC785	120	Rete Inox	4" - 5"	380,00
AAC772	140	Rete Inox	4" - 5"	380,00
AAC776	80	Rete Inox	6"	720,00
AAC773	140	Rete Inox	6"	720,00



Spare parts for disk filter SD SuperClean		
Code	Modello	€
AAC275	Spina - Pacco dischi completo	225,00
AAC243	Corpo inferiore	77,00
AAC274	Calotta	77,00



Spare cartridge for screen filter STF - SF 100				
Code	Mesh	Mat.	Model	€
AAC824	140	PP/inox	Dn65	688,00
AAC810	140	PP/inox	Dn80	748,00
AAC817	140	PP/inox	Dn100	813,00
AAC818	140	PP/inox	Dn150	1.430,00



Spare cartridge for screen filter STF - SF200				
Code	Mesh	Mat.	Model	€
AAC766	120	Inox	Dn100	1.515,00
AAC767	120	Inox	Dn150	2.559,00
AAC840	140	Inox	Dn200	REQ.



Spare cartridge for screen filter STF - SF300*				
Code	Mesh	Mat.	Model	€
AAC819	140	PP/inox	8"Dn150	2.568,00
AAC836	140	Inox	6"Dn100	4.870,00



*In esaurimento - sostituite da Serie STF - SF 400

Spare cartridge for screen filters STF - SF 400				
Code	Mesh	Mat.	Model	€
AAC403	140	PP/inox	3"Dn80	1.404,00
AAC404	140	PP/inox	4"Dn100	1.435,00
AAC406	140	PP/inox	6"Dn100	1.996,00
AAC408	140	PP/inox	8"Dn150	2.869,00
AAC410	140	PP/inox	10"Dn100	3.578,00



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



Price List

Accessories and Spare Parts >

> Filtering Batteries Automation Kit

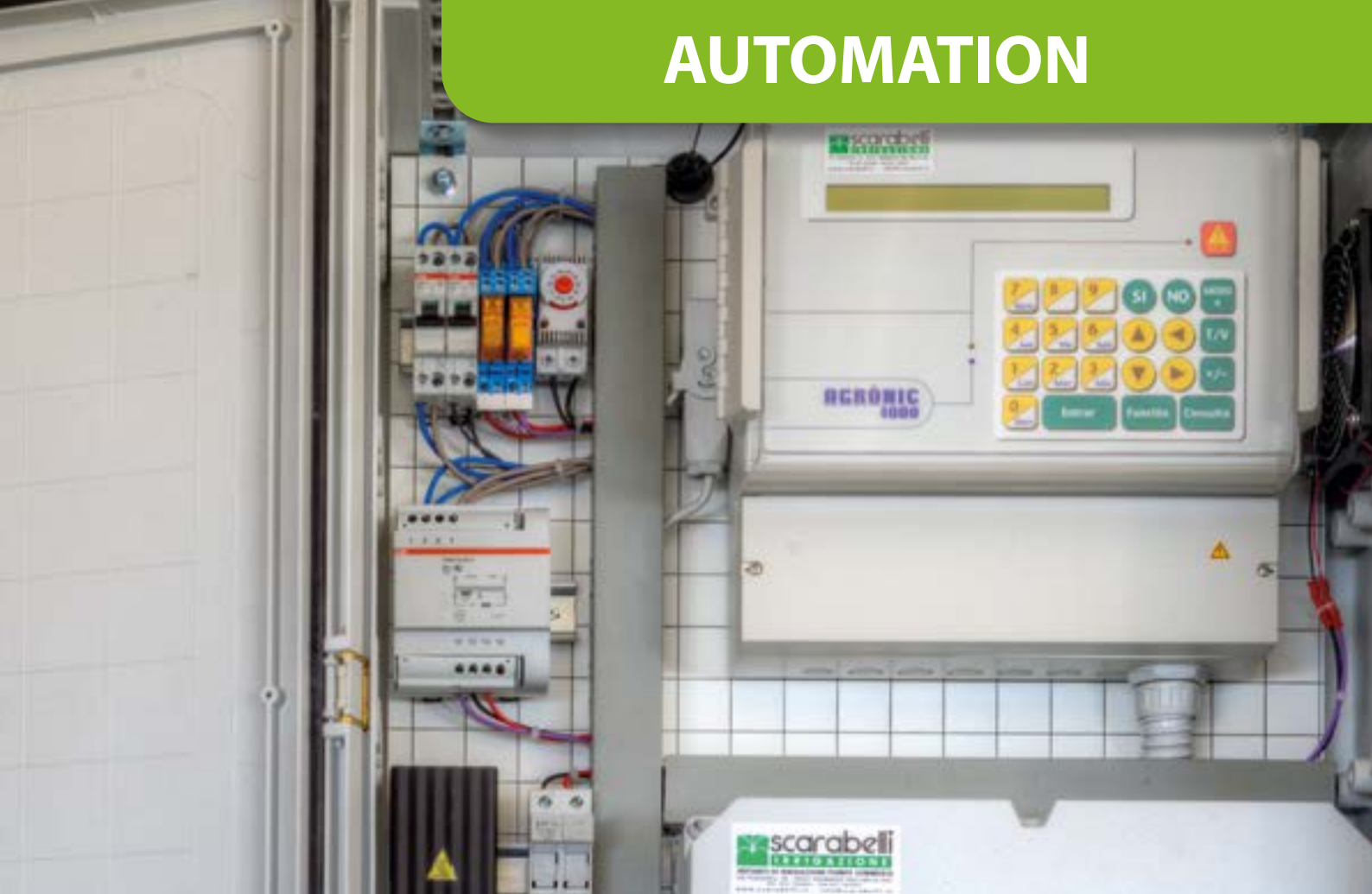
Code	Description	Stations nr	Power supply V	€	
KCF048	Automation kit with control unit, solenoid and differential pressure switch	1	9	1.023,00	
KCF049	Automation kit with control unit, solenoid and differential pressure switch	1	24	1.186,00	
KCF050	Automation kit with control unit, solenoid and differential pressure switch	2	9	1.152,00	
KCF052	Automation kit with control unit, solenoid and differential pressure switch	2	24	1.286,00	
KCF053	Automation kit with control unit, solenoid and differential pressure switch	3	9	1.192,00	
KCF054	Automation kit with control unit, solenoid and differential pressure switch	3	24	1.380,00	
KCF055	Automation kit with control unit, solenoid and differential pressure switch	4	9	1.239,00	
KCF056	Automation kit with control unit, solenoid and differential pressure switch	4	24	1.485,00	
EPS300	Murphy differential pressure switch			331,00	
ORV268	Latching solenoid 9 V DC 3-way - 2 wire			See page 172	
ORV259	Solenoid 24 V AC N.C. 3-way			See page 172	

Filtration

> 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	574,00	
FTLZ251	Hydraulic and electric filters supports SF 100	DN100-DN150		Galvanized	574,00	
FTLZ080	Hydraulic horizontal filters supports SF 400	8" ÷ 10"		Galvanized	REQ.	
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.	

AUTOMATION



**MENAGEMENT COMPUTERS
PREASSEMBLED SYSTEMS
ACCESSORIES AND SPARE PARTS**

Management Computers > Backwash

> Filter Wash 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: green panel box: 12V DC battery - Yellow panel box: 220V 50Hz

Hardware Features

- Outputs: 2 ÷ 4 outputs
- Outputs voltage: (12V Latch/24 V AC)
- Output for master valve control
- Inputs: differential pressure switch
- External box

Materials

- Box: PVC/ABS

Code	Outputs nr	Power supply		€
		in	out	
AAC571	2	220 V	24 V	644,00
AAC573	3	220 V	24 V	681,00
AAC572	4	220 V	24 V	718,00
AAC550	2	12 V DC	12 V Latch	412,00
AAC552	3	12 V DC	12 V Latch	449,00
AAC551	4	12 V DC	12 V Latch	490,00

ACCESSORIES

Code	Description	Power supply		€
		in	out	
AAC1055	Mains supply	230 V AC	12 V DC	60,00
1,5 V batteries not included				

> Filtron 1-10 DC 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

Code	Outputs nr	Power supply out	€
AAC097	2	12V Latch	563,00
AAC595	4	12 V Latch	628,00

ACCESSORIES

Code	Description	€
AAC596	Expansion 2 outputs DC latch	59,00

Price List



SISTEMI ELETTRONICI
PROGRES S.p.A.

Management Computers > Backwash

> Agronic Filtros



DESCRIPTION

Application

- Filtering automatic batteries management or different kinds of automatic filters

Specifics

- Cleaning cycle control by pressure differential switch and/or by filtered volume
- Filter washing time management and pause between filters
- Unit power supply: transformer (230 - 24 V AC) - 12V battery
- Programmable washing time for each filter control

Hardware Features

- Outputs: 24 V AC/12 V DC/12 V DC latch 2 wires

Materials

- Box: PVC/ABS

Code	Outputs nr	Power supply		€
		in	out	
FER593	6	220 V AC	24 V AC	1.089,00
FER586	6	12 V DC	12 V DC	1.079,00
FER585	6	12 V DC	12 V Latch - 3 wires	1.275,00
FER592	12	220 V AC	24 V AC	1.187,00
FER584	12	12 V DC	12 V DC	1.175,00
FER596	12	12 V DC	12 V Latch - 3 wires	1.383,00
FER589	18	220 V AC	24 V AC	1.281,00
FER588	18	12 V DC	12 V DC	1.272,00
FER587	18	12 V DC	12 V Latch - 3 wires	1.491,00

Management Computers > Fertigation

> Water Controller 3000



DESCRIPTION

Application

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

Specifics

- 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
- Fertilizers management (6 max)
- 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	€
FER159	Controller WC3000 base	6.407,00
FER158	Expansion box 24 outputs	1.511,00

ACCESSORIES

Code	Description	€
FER115	Inverter J1000 x Dostec	1.188,00

Management Computers > Single-Cable Systems

> 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
- master control unit
- Number of stations: 24
- Max number of simultaneous active stations: 3
- Use only decoder OAC223

Code	Description	€
OPG770	AGDI interface 24 sectors	872,00

> 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

Code	Description	Outputs nr	€
OPG771	3000 D converter	48	1.544,00
OPG772	3000 D converter expansion from 48 to 96	48	1.040,00

With SRC AGDI and Converter 3000 D systems is possible to transform any control unit with 24 V AC into modular single-cable systems.

A simple connection between the outputs of the existing control unit and the SRC system, made with a suitably preconfigured multipolar cable, makes it possible to transform all or only part of the controls into a single-cable system with decoders.

A simple programming of the Converter SRC system will allow to match the single outputs to the decoders positioned in the field, thus making the automation systems simpler and less expensive.

Price List



NEW

Management Computers > Single-Cable Systems

> 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

Software Features

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

Materials

- Box: PVC/ABS with key

Code	Description	Outputs nr	€
OPG774	Ranger 4000 D control unit • stand alone	100	1.733,00
OPG780	Ranger 4000 D control unit with LAN module + 3G/4G module + 1 year traffic included	100	4.090,00

> SRC Decoder



DESCRIPTION

Application

- SRC decoder modules

Specifics

- Compatible with SRC 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

Management Computers > Single-Cable Systems

> Grower 6000 D



EXPANSION LICENCE FOR OUTPUTS

Code	Outputs nr	€
OPG761	from 12 to 24	410,00
OPG762	from 24 to 50	410,00
OPG764	from 50 to 100	410,00
OPG765	from 100 to 150	1.218,00
OPG769	from 150 to 200	1.218,00

To be added to arrive at the desired number of outputs

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: 200 - 12 outputs base
- Remote control via WEB by smart system

Software Features

- 10 irrigation programmes
- 6 daily starts per programm
- Cyclic starts from 1 to 99 per programm start
- Calendar: 14 or 15 days
- Module: SRC LAN for local communication - SRC 3G/4G mobile Gateway
- Digital inputs: 4-20 mA
- Irrigation cycle from 0 to 999 min
- Water budget: 0 ÷ 250%
- Starts: manual, programm
- Compatible decoder

Materials

- Box: PVC/ABS with key

Code	Description	Outputs nr	€
OPG760	Grower 6000 D control unit • stand alone	12	1.932,00
OPG779	Grower 6000 D control unit • LAN module + 3G/4G module + 1 year traffic included	12	4.673,00

> SRC Decoder Grower



DESCRIPTION

Application

- SRC decoder modules

Specifics

- Compatible with SRC models Grower 6000 D
- 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

Code	Description	€
OAC215	Decoder 1001 1 output	121,00
OAC216	Decoder 1002 1 output*	153,00
OAC217	Decoder 2002 2 outputs*	247,00
OAC218	Decoder 4001 4 outputs	292,00
OAC219	Decoder 6001 6 outputs	445,00
OAC221	Pump command decoder	798,00

*Models with activation of 2 simultaneous solenoids

Price List



Management Computers > Single-Cable Systems

> Decoder Sensor



DESCRIZIONE:

Application

- Sensor

Specifics

- 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

Code	Descrizione	€
OAC222	Flow sensor decoder	510,00

> SRC 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
- Compatible with SRC Models:
- Grower 6000 D
 - Ranger 4000 D
 - Converter 3000 D
 - AGDI converter

Code	Description	€
OAC220	Lightning protection decoder	82,00

> Communication

Code	Description	€
OPG773	LAN communication module	977,00
OPG778	3G/4G communication module	1.953,00
OPG777	3G/4G traffic data (per year, from the 2nd year)	REQ.



See specific cable for Decoder
on page 77



See solenoids for Decoder
on page 172

Management Computers >

> Agronic 2500



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

- Expandable outputs: 9 - 18 - 27
- Digital inputs: 6
- Analog inputs: 2 (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
- Box support: stainless steel
- Front panel: aluminium

Power supply	Command	Stations											
		9				18				27			
		Box		Built-in		Box		Built-in		Box		Built-in	
		Code	€	Code	€	Code	€	Code	€	Code	€	Code	€
220 V AC	24 V AC	OPG2500	1.245,00	OPG2503	1.357,00	OPG2501	1.394,00	OPG2504	1.506,00	OPG2502	1.768,00	OPG2505	1.852,00
Battery	12 V DC	OPG2506	1.113,00	OPG2509	1.226,00	OPG2507	1.264,00	OPG2510	1.375,00	OPG2508	1.637,00	OPG2511	1.721,00
Solar panel	Latch 2 W	OPG2512	1.226,00	OPG2515	1.338,00	OPG2513	1.375,00	OPG2516	1.487,00	OPG2514	1.750,00	OPG2517	1.834,00
Solar panel	Latch 3 W	OPG2518	1.357,00	OPG2521	1.468,00	OPG2519	1.535,00	OPG2522	1.647,00	OPG2520	1.937,00	OPG2523	2.021,00
220 V AC + Diesel	12 V DC/24 V AC	OPG2524	1.272,00	OPG2527	1.384,00	OPG2525	1.422,00	OPG2528	1.535,00	OPG2526	1.796,00	OPG2529	1.880,00
Battery with charger	12 V DC	OPG2530	1.226,00	OPG2533	1.338,00	OPG2531	1.375,00	OPG2534	1.487,00	OPG2532	1.750,00	OPG2535	1.834,00

PLUS Option

Necessary option for analog sensors management. It increases Agronic 2500 performances. Activation by unblock code

Code	Description	€
FER2501	Agronic 2500 Plus Option	277,00

Agrobee Option

Agrobee option allows control of the field equipment by a codified radio system. It includes: Agrobee coordination device, omnidirectional antenna, 10 mt connection cable

Code	Description	€
FER2507	Agrobee ZIGBEE interface for Agronic	682,00
FER2520	Agrobee LoRa interface for Agronic	682,00

Agrobee LoRa standard system - agrobee ZIGBEE on request

Diesel Engine Control Option

By this option, agronic 2500 can manage a diesel engine with all the necessary parameters. On/off command, contact, pre-heating. Activation by unblock code

Code	Description	€
FER2500	Diesel engine control box option	95,00

Analog Inputs Option

Management of 2 analog inputs (it requires the plus option installed)

Code	Description	€
FER2508	Analog inputs option	331,00

SDI Expansion Option

SDI expansion 12 + 4 analog outputs x A 2500

Code	Description	€
FER2516	SDI 112 option + 4 Ext. anal.	506,00

Price List



SISTEMI ELETTRONICI
PROGRES S.p.A.

Management Computers >

Automation

Transformers

	Code	Description	€
Optional standard transformer for 2 outputs 12 V DC, mains 220 V AC	FER2512	transformer 220V - 12 V DC 2A	78,00
Optional standard transformer for 2 outputs 24 V DC, mains 220 V AC	FERC974	transformer 220V - 24 V AC 50vA	74,00
Control board x Agronic with transformer	EQEA024	Transformer 230/24 V AC 100 V A x Agronic	205,00

Solar panel

	Code	Description	€
Solar panel for control unit supply (12 V DC and Latch)	FER2510	solar panel 5W with support	181,00
Solar panel for control unit supply (12 V DC and Latch)	FER2511	solar panel 10W with support	324,00
Charge regulator for solar panel including 7 Ah battery	FER2519	solar panel regulator with battery	329,00

Battery

	Code	Description	€
Ni/Pb watertight battery, rechargeable (12 V 7 Ah)	FER2513	battery 7 Ah	47,00

Communication - Hardware

		Code	Description	€
Local communication via cable	RS485 max 100 mt	FER2518	communication with local pc, port RS485	578,00
	USB 2.0 max 3 mt	FER2504	communication with local pc, port USB	319,00
Remote communication	Modem GPRS (SIM)	FER2503	GPRS mobile device communication	644,00
	Wi-Fi max 50 mt	FER2017	Wi-Fi communication	786,00
	RADIO max 2 km	FER2505	PC 433 MHz radio communication	699,00

Communication - Software

	Code	Description	€
It supplies access to the system by Agronic App and/or Web GPRS modem or Wi-Fi module requested. Activated by unblock code	FER194	WEB platform (including Agronic APP and Agronic WEB)	153,00

Management Computers >

> Agronic 4000



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
- Applications in open fields, fruit farming and

- vineyards, tunnels and glasshouses
- EC management, pH reading

Specifics

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

Hardware Features

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

Materials

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

Model	Stations													
	16		24		32		48		64		80		96	
	Code	€	Code	€	Code	€	Code	€	Code	€	Code	€	Code	€
220/24 AC	OPG1154	2.242,00	OPG1100	2.442,00	OPG1102	2.442,00	OPG1106	3.510,00	OPG1110	3.903,00	OPG1114	4.311,00	OPG1118	4.712,00
12 V DC	OPG1153	2.188,00	OPG1155	2.389,00	OPG1101	2.589,00	OPG1105	3.456,00	OPG1109	3.850,00	OPG1113	4.258,00	OPG1117	4.658,00

Options

	Code	Description	€
Option for management and control of fertilizer parameters. It allows to check water pH value, adapting the fertilizer injection ratio. Water pH reading. Probes and interfaces not included. Activation by code	FER501	pH control/Ec reading	153,00
Option for external sensors management	FER507	Programm conditioning	228,00
Option for external inverter management by 0-20 or 4-20 mA command for keeping a steady line pressure. Can be combined exclusively to the first output of pumps command	FER973	Pressure regulation of in line water	167,00
Specific option for managing pump systems powered by a generator. 12 V start command, 220V AC power supply	FER961	Dual-voltage for generator	95,00
Specific option for managing diesel motorpump systems. On/off control, general contact and pre-heating	FER2500	Diesel engine	95,00
Internal expansion board, 4-20 mA analog input and output	FER521	In/Out analog main board - 6 in/5 out 4-20 mA	682,00
Internal expansion board, 4-20 mA analog input and output - first installation	FER527	Option + 6 analog in/out x A-4000	663,00
Internal expansion board, 4-20 mA analog input and output - upgrade in the field	FER528	Added option + 6 in/5 out (5 x 4/20 mA + 1 x 0/20 V)	795,00
Internal expansion board, 4-20 mA analog input and output - upgrade in the field	FER529	Added option + 6 analog in/out x A-4000	776,00
Module for managing the Agronic single-cable system	FER967	Single-cable option	227,00
Module for managing the Agronic radio system	FER525	Agronic Radio option	342,00

Price List



SISTEMI ELETTRONICI
PROGRES S.p.A.

Management Computers >

Automation

Options	Code	Description	€
Modules for connection expansion to insert options or communication	FER522	RS 232 double port option	739,00
	FER964	RS485 second port + connection	739,00
Update kit for Agronic 4000 from version 2 to version 3	FER523	Update from version 2 to version 3	153,00
Transmitter box for pH and Ec probes. It allows interface between probes and Agronic. pH control - Ec reading interface required	FER400	pH/Ec probe box	625,00
	FER401	pH probe box	416,00
	FER402	EC probe box	419,00

Communication - Hardware			Code	Description	€
Local communication via cable	RS232 max 15 mt	Agronic single-cable, Agronic radio and Agronic PC connection	FER503	Collegamento RS232	252,00
	RS485 max 1500 mt		FER504	Collegamento RS485	175,00
	USB 2.0 max 15 mt		FER514	Collegamento USB	351,00
Remote communication	GPRS (SIM) Modem	Agronic APP, Agronic Web and Agronic PC connection	FER310	GPRS modem option	720,00
	GSM (SIM) Modem	SMS sending option	FER508	GSM modem + 220 V AC 12V DC antenna	389,00
	max 10 km RADIO	Agronic PC connection	FER2505	PC radio communication	699,00
			FER2506	Agronic radio modem	1.833,00

Communication - Software	Code	Description	€
Access to the system by Agronic App and/or Agronic Web. GPRS modem or Wi-Fi module requested. Activation by unblock code	FER194	WEB platform (including Agronic APP and Agronic WEB)	153,00

Power supplies	Code	Description	€
Optional standard power supply for 12 V DC outputs from 220 V AC mains	FER2512	Transformer 220V - 12 V DC 2A	78,00
Optional standard power supply for 24 V AC outputs from 220 V AC mains	FERC974	TRANSFORMER 220V - 24 V AC 50 VA	74,00
Control board x Agronic w/transformer	EQEA024	Transformer 230/24 V AC 100 V A x Agronic	205,00

Management Computers >

> Agronic 5500



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 inputs: 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

Model	Stations											
	10				20				30			
	Box		Built-in		Box		Built-in		Box		Built-in	
	Code	€	Code	€	Code	€	Code	€	Code	€	Code	€
220/24 AC	OPG1303	2.043,00	OPG1304	1.994,00	OPG1305	2.274,00	OPG1306	2.225,00	OPG1311	2.544,00	OPG1312	2.495,00
12 V DC	OPG1307	1.949,00	OPG1308	1.902,00	OPG1309	2.176,00	OPG1310	2.130,00	OPG1313	2.485,00	OPG1314	2.438,00

Options

	Code	Description	€
Option for expansion of Agronic 5500 analog inputs	FER190	Option for A-5500 6 analog inputs	246,00
Specific option for diesel pump systems management. Start/stop, general contact and pre-heating	FER2517	Diesel engine	87,00
Specific option for management of generator powered systems. 12V start command, 220 V AC power supply. Including diesel engine management (for 20 outputs only)	FER192	Dual-voltage option + diesel engines	125,00
Option for mixing control of 2 different water sources	FER197	Mixing option	153,00
SDI expansion kit 12 + 4 analog outputs x A 5500	FER199	SDI option 12 + 4 analog outputs	356,00
Specific option for Agronic Agrobée radio system connection. Including Agrobée coordination device, omnidirectional antenna, 10 mt cable connection	FER2507	ZIGBEE Agrobée connection option	682,00
	FER2520	Agronic Agrobée LoRa interface	682,00

Communication - Hardware

	Code	Description	€
Via cable local communication	RS485 max 100 mt	FER2518 RS485 link	578,00
	USB 2.0 max 3 mt	FER2504 USB link	319,00
Remote communication	Modem GPRS (SIM)	FER196 Modem GPRS/SMS option	512,00
	Wi-Fi max 20 mt	FER200 Wi-Fi option	786,00
	RADIO max 2 km	FER198 Radio link 433 option	720,00

Communication - Software

	Code	Description	€
It supplies access to the system by Agronic App and/or Web. GPRS modem or Wi-Fi module requested. Activated by unblock code	FER194	WEB platform (including Agronic APP and Agronic WEB)	153,00

Power supplies

	Code	Description	€
Optional standard power supply for 12 V DC outputs from 220 V AC mains	FER2512	Transformer 220V - 12 V DC 2A	74,00
Optional standard power supply for 24 V AC outputs from 220 V AC mains	FERC974	Transformer 220V - 24 V AC 50 VA	70,00
Control board x Agronic w/transformer	EQEA024	Transformer 230/24 V AC 100 V A x Agronic	195,00

Price List



SISTEMI ELETTRONICI
PROGRES 5.0

Management Computers >

> Agronic 7000



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)
- 220/24 V AC transformer included in the specific 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

Materials

- Front panel: aluminium

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

Model	40 built-in stations	
	Code	€
220/24 AC	OPG1200	4.338,00
12 V DC	OPG1201	4.338,00

Options

Options	Code	Description	€
Option for expanding command outputs and digital/analog inputs of Agronic 7000	FER455	16 relay outputs	433,00
	FER550	12 analog outputs	577,00
	FER551	16 digital inputs	208,00
Option for mixing of 2 different water sources	FER558	Mixing of 2 different water sources	153,00
Option for external inverter management by 0-20 or 4-20 mA for a steady line pressure, FER550 board required	FER559	In line water pressure regulation	153,00
Transmitter box for pH and Ec probes. It allows interface between the probes and Agronic, 4-20 mA signal	FER400	Probe box pH/Ec	625,00
	FER401	Probe box pH	416,00
	FER402	Probe box EC	419,00
Option for expanding connectable sensors	FER553	Sensors expansion option	682,00
Option for connecting to Progres single-cable system	FER454	Agronic single-cable option	228,00

Communication - Hardware

	Code	Description	€
Via cable local communication	RS485 max 1500 mt	FER556 RS485 link	87,00
	RS232 max 15 mt	FER566 RS232 link	238,00
	USB 2.0 max 15 mt	FER514 USB link	351,00
Remote communication	Modem GPRS	FER517 Option modem GPRS	682,00

Communication - Software

	Code	Description	€
It supplies access to the system by PC programm. By USB, RS232, RS485 only one PC connection. By GPRS module and Wi-Fi connection up to 3 PC. Gprs or Wi-Fi module required. Activation by unblock code	FER500	Agronic PC programm option (including Agroni PC + Agronic APP)	455,00

Management Computers > Accessories

> Agrobее



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: range)
- 868 Mhz/2,4Gz - communication maximum distance 800/1600 mt (free range)
- Maximum units number to be managed: 16 ZIGBEE/20 LoRa
- Communication by standard LoRa:
- Power supply: battery (1,5V x 2 AA)
- 868 Mhz - communication maximum distance 2500 mt (free
- 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 With solar panel (2 solenoids 2 wires, latch, 2 digital inputs)	906,00
OPG3007	ZIGBEE	2SD-2ED-1EA With solar panel (2 solenoids 2 wires, latch, 2 digital inputs, 1 analog input)	933,00
OPG3012	ZIGBEE	6SD-6ED-2EA With solar panel (6 solenoids 2 wires, latch, 6 digital inputs, 2 analog inputs)	1.159,00
OPG3016	ZIGBEE	8SD-2ED With solar panel (8 solenoids 2 wires, latch, 2 digital inputs)	1.121,00
OPG3018	ZIGBEE	9SD-2ED-2EA With solar panel (9 solenoids 2 wires, latch, 2 digital inputs, 2 analog inputs)	1.159,00
OPG3017	ZIGBEE	RPT solar power supply repeater	852,00
OPG3030	LoRa	2SD-2ED With solar panel (2 solenoids 2 wires, latch, 2 digital inputs)	906,00
OPG3031	LoRa	2SD-2ED-1EA With solar panel (2 solenoids 2 wires, latch, 2 digital inputs, 1 analog input)	933,00
OPG3033	LoRa	6SD-6ED-2EA With solar panel (6 solenoids 2 wires, latch, 6 digital inputs, 2 analog inputs)	1.121,00
OPG3032	LoRa	8SD-2ED With solar panel (8 solenoids 2 wires, latch, 2 digital inputs)	1.159,00
OPG3034	LoRa	9SD-2ED-2EA With solar panel (9 solenoids 2 wires, latch, 2 digital inputs, 2 analog inputs)	1.159,00

FIELDS UNITS - SENSOR EXCLUDED

Code	Version	Description	€
OPG3021	ZIGBEE	H2O solar powered (3 analog inputs, 1 water soil sensor)	926,00
OPG3022	ZIGBEE	3MA (3 analog sensors, 1 digital sensor)	951,00
OPG3023	ZIGBEE	SDI-12 (for different sensors with bus-SDI12)	937,00
OPG3028	ZIGBEE	Watermark solar agrobее probe	1.118,00
OPG3036	LoRa	H2O solar powered (3 analog inputs, 1 water soil sensor)	926,00
OPG3038	LoRa	SDI-12 (for different sensors with bus-SDI12)	937,00
OPG3037	LoRa	Watermark solar agrobее probe	1.095,00



See probes on pages 81 - 82 - 83

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	Agrobее dynamometer with 1 sensor	924,00
OPG3025	Agrobее dynamometer with 2 sensors	961,00
OPG3026	3lv solar Agrobее + 1 ultrasonic sensor	1.452,00
OPG3027	3lv solar Agrobее + 3 ultrasonic sensors	2.828,00
OPG3029	Agrobее ultrasonic level sensor Parshall (solar)	1.460,00

Price List



SISTEMI ELETTRONICI
PROGRES S.p.A.

Management Computers > Accessories

> 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
- MAM version for built-in external box - MAM version for box encapsulated

Materials

- Box: PVC/ABS

ENCAPSULATED FIELDS MODULES

Code	Descrizione	€
FER463	MAM 1-20 - 1 12V latch output/2 digital inputs	457,00
FER465	MAM 1-20R - 1 24V AC output/2 digital inputs	474,00
FER457	MAM 2-00 - 2 12V latch outputs	437,00
FER464	MAM 3-20 - 3 12V latch outputs/2 digital inputs	483,00

Code	Modello	€
FER469	MAM 5-72	752,00
FER488	MAM 8-12	876,00

OPTIONS

Code	Description	€
FER967	Agronic single-cable option - compatible with Agronic 4000 and 7000	227,00
FER456	EAM complete encoder module with transformer - free installation	2.370,00
FER459	Communication line protection against adverse weather events	29,00
FER458	Unit for configuration and control (reading) of the single field units	545,00

> 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	1.332,00
FER563	MAR 10-102 10 12V latch outputs/10 digital inputs/2 analog inputs	1.701,00
FER564	MAR 16-162 16 12V latch outputs/16 digital inputs/2 analog inputs	2.085,00

OPTIONS

Code	Description	€
FER561	Agronic Radio 4323 connection (12V DC) - Agronic Radio 433 EAR master module - compatible with Agronic 4000 and 7000	1.939,00
FER565	Agronic Radio 4323 connection (220V AC) - Agronic Radio 433 EAR master module - compatible with Agronic 4000 and 7000	2.105,00
FER458	Unit for configuration and control of the single field units	545,00
FER560	Agronic Radio 433 EAR master module - compatible with Agronic 4000 and 7000	334,00



Price List

Management Computers > Accessories

> Low-Tension Paige Electrical Cables

Code	Description	mm ²	Box	€/mt	
CCV008	Black unipolar	1,50	mt 760	1,01	
CCV010	Yellow unipolar	1,50	mt 760/100*	1,01	
CCV009	Black unipolar	2,50	mt 760	1,56	
CCV017	Yellow unipolar	2,50	mt 760/100*	1,56	
CVF050	2 poles	0,82	mt 152	1,18	
CVF056	3 poles	0,82	mt 76	1,41	
CVF051	5 poles	0,82	mt 76	2,24	
CVF052	7 poles	0,82	mt 76	2,99	
CVF055	9 poles	0,82	mt 76	3,73	
CVF053	10 poles	0,82	mt 76	4,16	
CVF054	13 poles	0,82	mt 76	5,35	

*100 mt coils on request

> FG16 Electrical Cables

Code	Description	mm ²	Box mt	€/mt	
CVF257	2 poles	1,50	100	1,66	
CVF265	5 poles	1,50	100	3,92	
CVF266	7 poles	1,50	100	6,12	

> Encoder Cables

Code	Mod.	Description	mm ²	Box mt	€/mt	
CVF087	750 CY	2 poles	1,50	100	2,53	

Code	Mod.	Description	Box mt	€/coil*	
CVI052	MW0501	Double insulation bipolar calbe (Pe-Pe) - 2 x 2,5 mm ² section Maximum lenghts: 12 km ring - 3 km linear	500	1.457,71	

*See Rain Bird terms of discount

> Connectors

Code	Description	mm ²	Box	€/each	
OAA015	Connector 316lR non-buriable	3,90	30	2,77	
OAA010	Connector 3 cables	4,00	20	3,07	
OAA008	Connector DBR/Y-6	6,00	1	4,13	
OAA051	Connector LV9000 resin coated - 48V residential applications	6,00	24	2,22	

Price List



Preassembled Systems > Direct-Injection

> Ferticontrol PRO-FV16

Automation



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
- Optional digital device with LCD display in the panel to read EC value and set an alarm

- 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*

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 agitators

- 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: 12Amp 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

Code	Description	Fertilizer suction	Injection pH	Press. max bar	€
AFE1005	Function by time	1+	1	6	5.618,00
AFE1006	Function by time	2+	1	5*	6.158,00
AFE1007	Function by time	3+	1	4*	6.694,00
AFE1008	Function by volume	1+	1	6	5.882,00
AFE1009	Function by volume	2+	1	5*	6.678,00
AFE1010	Function by volume	3+	1	4*	7.476,00
*Option pressure boosting 1 bar On demand version with Agronic 2500					

Preassembled Systems > Direct-Injection

> Ferticontrol SA



DESCRIPTION

Application

- Fertilizer and acidification management soilless/hydroponic crops
- By-pass fertirrigation systems, completely preassembled with input and outputs to be connected directly to the main line of the system

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	7.790,00
AFE2506	2518 SA3	2500	18	3	8.427,00
AFE2507	2518 SA4	2500	18	4	9.270,00
AFE2503	2527 SA2	2500	27	2	8.014,00
AFE2501	2527 SA3	2500	27	3	8.680,00
AFE2502	2527 SA4	2500	27	4	9.504,00
AFE2012	4016 SA2	4000	16	2	9.270,00
AFE2013	4016 SA3	4000	16	3	9.935,00
AFE2017	4016 SA4	4000	16	4	10.732,00
AFE2018	4024 SA2	4000	24	2	9.745,00
AFE2014	4024 SA3	4000	24	3	10.411,00
AFE2015	4024 SA4	4000	24	4	11.168,00

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	11.270,00
AFE5524	5520 SA4	5500	20	4	11.809,00
AFE5525	5520 SA5	5500	20	5	12.354,00
AFE5513	5530 SA3	5500	30	3	11.558,00
AFE5514	5530 SA4	5500	30	4	12.096,00
AFE5515	5530 SA5	5500	30	5	12.646,00
AFE2020	7000 SA3	7000	40	3	13.965,00
AFE2021	7000 SA4	7000	40	4	14.514,00
AFE2022	7000 SA5	7000	40	5	15.100,00

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	2.144,00

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	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

Price List



Preassembled Systems > Direct-Injection

> Ferticontrol A



DESCRIPTION

Application

- Fertilizer and acidification management soilless/hydroponic crops
- By-pass fertirrigation systems, completely preassembled with input and outputs to be connected directly to the main line of the system

Specifics

- Dimensions: 130 cm height - 140 cm width - 85 cm depth
 - Chassis: AISI 304 stainless steel or anodized aluminium
 - Working pressure: 1,5 bar min. - 6 bar max
 - Centrifugal vertical axis electric pump (parts in contact with liquids are AISI304 stainless steel). Fertilizers injection devices (Venturi) are placed in suction
 - Maximum injection for each Venturi: 400 l/h
 - Real flow-rate of each injection system can be displayed directly by flowmeters (maximum range: 250 l/h for acid injection and 400 l/h for the fertilizers one)
 - Derivation probes for Ph control (in S A 4000 and S A 5000 models) and conductivity control (option available for 2 more security probes)
- THE PULPIT ELECTRIC PANEL IN COMPLIANCE WITH APPLICABLE RULES*
- IP 67 watertight box with hinge opening
 - General door lock switch
 - Manual - zero - automatic selector for Venturi aspiration pump with run-spy and stop
 - 1 "zero" selector - 1 per PC
 - Red light for PC alarm
 - Green lights for acids and fertilizers
 - White light for panel in tension
 - Agitators command and electric protection for each injection
 - Irrigation pump command

Command programmer	Fertilizer injection	Acid injection	Injections max nr	Weight kg	Meters	Power stabiliser
Agronic 4000	By volume, reading option	Only reading option and control option	8	190	Yes	Yes
Agronic 7000	Mixed (electrical conductivity or volume)	By probe	10	220	Yes	Yes

Code	Model	Fertilizer injection nr	Agronic	Outputs	€
AFE4003	4000-3	2	4000	16	14.933,00
AFE4004	4000-4	3	4000	16	15.765,00
AFE4005	4000-5	4	4000	16	17.896,00
AFE4006	4000-6T3	5	4000	32	19.731,00
AFE4008	4000-8T4	7	4000	32	26.254,00
AFE4009	4000-9T4	8	4000	32	29.578,00
AFE7003	7000-3	2	7000	40	21.181,00
AFE7004	7000-4	3	7000	40	21.531,00
AFE7005	7000-5	4	7000	40	23.022,00
AFE7020	7000-6T3	5	7000	40	25.406,00
AFE7008	7000-8T4	7	7000	40	28.341,00
AFE7009	7000-9T4	8	7000	40	31.515,00

1 acid injection for all models

OPTIONS FERTICONTROL A 4000

Code	Description	€
AFE0040	pH control and EC reading	697,00
AFE0091	32 outputs	3.245,00
AFE0093	64 outputs	4.415,00
AFE0095	96 outputs	5.297,00
AFE0096	Additional injection up to maximum 9 (each)	REQ.
AFE0070	Security double probes (e/u analog option required)	1.521,00

OPTIONS FERTICONTROL A 7000

Code	Description	€
FER455	16 outputs expansion central unit	459,00
AFE0081	Additional injection up to maximum 10 (each)	REQ.
AFE0070	Security double probes	1.521,00



Management computers > Data Detecting

CLIMATE

Code	Name	Description	Compatibility	Connection	€	
FSM025	Davis Vantage Pro weather station	Temperature/humidity; rain gauge; anemometer; wind speed + direction; solar radiation; 5 4-20 mA outputs	2500/4000/5500	Direct	3.497,00	
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	3.665,00	
FER600	1 liter rain gauge	Volumetric drainage control; 1 l/m ² ; digital output	2500/4000/5500/7000/ Agrobee LoRa	Direct	393,00	
FER605	0,2 liter rain gauge	External rain measurement 0,2 l/pulsation; digital output	2500/4000/5500/7000/ Agrobee LoRa	Direct	488,00	
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	325,00	
FER417	Temperature 4-20 mA	Temperature; working range -40° C + 85 °C IP65; 4-20 mA output	All models	Direct	256,00	
FER415	Relative humidity 4-20 mA	Atmospheric humidity for outdoors; 5m cable included; 4-20 mA output	All models	Direct	403,00	
FER602	Ventilated 4-20 mA humidity probe	Humidity in GREENHOUSES or humid environments; 5m cable included; 4-20 mA output	All models	Direct	722,00	
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	1.011,00	
FER412	Solar radiation 4-20 mA	Solar radiation, pole mounting with fixing clip and 5 m cable	All models	Direct	341,00	

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	143,00 42,00	
FER097	Ph probe with ¾ "probe holder	pH of the water (recommended for high pressure systems)	2500/4000/5500/7000/ Single cable/Radio	FER400 or FER402 transmitter	324,00	
ATRO51	4 electrode blue EC probe	EC detection 4 electrodes	2500/4000/5500/7000/ Single cable/Radio	FER400 o FER401 transmitter	591,00	

Price List



SISTEMI ELETTRONICI
PROGRES S.p.A.

Management computers > Data Detecting



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	1.607,00	
ATR069	Drill & Drop. Humidity probe and temp. soil	6 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	2.379,00	
ATR070	Drill & Drop. Humidity probe and temp. soil	9 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	3.150,00	
ATR071	Drill & Drop. Humidity probe and temp. soil	12 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	3.921,00	
ATR072	Drill & Drop. Humidity probe, temp. and EC of the soil	3 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	1.965,00	
ATR073	Drill & Drop. Humidity probe, temp. and EC of the soil	6 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	2.921,00	
ATR074	Drill & Drop. Humidity probe, temp. and EC of the soil	9 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	3.875,00	
ATR075	Drill & Drop. Humidity probe, temp. and EC of the soil	12 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	4.830,00	



Management computers > Data Detecting

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	1.222,00	
FER471	NVDI	Reflectance Vegetation index	Agrobee LoRa	FER414 transmitter	4.500,00	
FER472	PRI	Photochemical reflectance index; including stand	Agrobee LoRa	FER414 transmitter	3.251,00	
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	1.305,00	
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	1.405,00	
FER475	Trunk dendrometer 5/25 mm	Measurement of stem contraction and expansion; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.543,00	
FER476	Trunk dendrometer 10/70 mm	Measurement of stem contraction and expansion; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.543,00	
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	1.121,00	
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	1.736,00	
FER479	Fruit dendrometer FI- 45 mm			Direct	1.736,00	
FER480	Fruit dendrometer FI- 90-mm			Direct	1.736,00	
FER481	Fruit dendrometer FI- 160 mm			Direct	1.736,00	
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	1.516,00	
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	1.516,00	
FER484	Small leaf temperature	Leaf temperature	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	983,00	
FER485	Large leaf temperature	Leaf temperature	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.488,00	
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	403,00
FER410	H2O 3-sensor transmitter	460,00
FER414	SDI transmitter 12	395,00
FER400	EC/Ph transmitter	625,00
FER568	WM transmitter for 3 soil moisture probe	638,00
FER401	PH transmitter	416,00
FER402	EC transmitter	419,00
FER530	Dendrometer transmitter	384,00

Price List



Preassembled Systems > Spare Parts

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	205,00	
OVA864	Fertirrigation electrovalve	S11 12V	205,00	

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	

FERTILIZER COUNTER WITH PULSE OUTPUTS

Code	Description	€	
FVR504	Counter mod. KD ¾" pulse outputs 0,1 lt/pulse	199,00	
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	

VERTICAL FLOWMETER

WITH DIRECTLY DISPLAYED FLOWRATE

Code	Coupling Ø	Reading _{min-max} l/h	€	
FER120	Solvent cement 20 mm	30 300	79,00	
FER121	Solvent cement 20 mm	50 500	86,00	
FER2003	Solvent cement 32 mm	25 250	89,00	
FER2000	Solvent cement 32 mm	40 400	92,00	
FER2007	Solvent cement 32 mm	200 1.200	98,00	

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		



Price List

Detecting Devices for Climate and Soil Humidity >

TENSIOMETER WITH CERAMIC POROUS TIPS*

Code	Description	Rod cm	€	
OSN150	Tensiometer	30	282,00	
OSN151	Tensiometer	45	292,00	
OSN152	Tensiometer	60	303,00	
OSN130	Digital tensiometer	30	481,00	
OSN131	Digital tensiometer	45	492,00	
OSN132	Digital tensiometer	60	502,00	

*While stocks last

DIGITAL READING WATERMARK TENSIOMETER*

Code	Description	€	
FER603	Humidity probe for digital player	Vedi pag. 82	
OPG1001	Digital player	720,00	
OPG1003	Probes data visualizer and recorder with historical data	1.677,00	

*While stocks last

PH/EC/TDS/TEMPERATURE POCKET METERS

Code	Description	Model	€	
FERS001	Pocket tin pH meter	HI 98127	250,00	
FERS003	Pocket tin for pH - EC - TDS - temperature	HI 98130	404,00	
FERS004	Portable meter Groline EC - TDS - pH - C°	HI 9814	649,00	

FERTIGATION



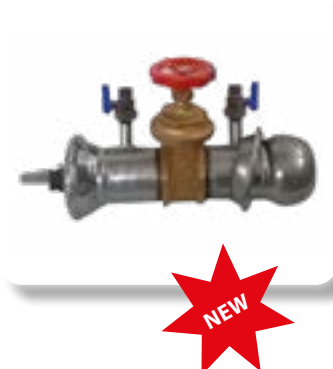
**FERTILIZER TANK
VENTURI
HYDRAULIC DOSING PUMPS
ELECTRICAL DOSING PUMPS
ACCESSORIES
INJECTION AND MIXING KIT**



Price List

Injectors >

> Connection Kit



NEW

DESCRIZIONE:

Application

- Connection kit for fertigation

Features

- Injection system in galvanized steel
- Large bore handwheel brass valve

Specifications

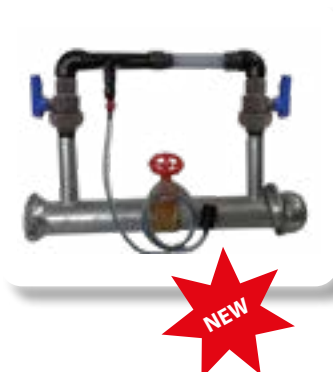
- Female threaded water inlet/outlet
- Maximum operating pressure 8 bar
- Ball valves inlet/outlet bypass 0 1 "F

Materials

- Fittings: galvanized steel
- Valve: brass

Code	Descrizione	In/Out	€
KPF001	Fertilizer kit w/valve and w/pressure gauges	Spherical 80 M x 3 "x 80 F	385,00
KPF002	Fertilizer kit w/valve and w/pressure gauges	Spherical 100M x 4 "x 100F	479,00
KPF003	Fertilizer kit w/valve and w/pressure gauges	Spherical 120 M x 4 "x 120 F	637,00
KPF004	Fertilizer kit w/valve and w/pressure gauges	Spherical 150 M x DN150 x 150 F	669,00

> Fertigation Unit Kit



NEW

DESCRIZIONE:

Application

- Pressurized fertigation unit to be connected to the irrigation system

Features

- Injection system in galvanized steel
- Manometers
- Spherical connections Ferrari M/F
- Venturi 1 "complete with suction
- Large bore handwheel brass valve
- Inlet/outlet sectioning ball valves 0 1 "

Specifications

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

Materials

- Fittings Galvanized steel
- Venturi polyethylene
- Brass valve

Code	Descrizione	In/Out	€
KPV001	Venturi kit w/valve and w/pressure gauges	Spherical 80 M x 3 "x 80 F	499,00
KPV002	Venturi kit w/valve and w/pressure gauges	Spherical 100M x 4 "x 100F	682,00
KPV003	Venturi kit w/valve and w/pressure gauges	Spherical 120 M x 4 "x 120 F	730,00
KPV004	Venturi kit w/valve and w/pressure gauges	Spherical 150 M x DN150 x 150 F	911,00

Fertigation

Price List

Injectors >

> Fertilizer Tank

Code	Description	In/Out	Lt capacity	€	
AFR001	Vertical galvanized	¾"	80	533,00	
AFR002	Vertical painted	¾"	120	593,00	
AFR010	Vertical painted	1"	150	659,00	
AFR011	Horizontal painted	1"	200	813,00	
AFR019	Horizontal painted	1"	300	861,00	
AFR021	Horizontal painted	1"	500	1.113,00	



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



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/output
- Maximum working pressure: 8 bar

Materials

- Venturi body: polypropylene



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

> Venturi

Code	Description	Coup. Ø	Fert. asp. l/h	€	
OIV010	S112R aspiration kit*	¾"	12 ÷ 162	36,00	
OIV011	S113R aspiration kit*	1"	90 ÷ 460	54,00	
OIV012	S114R aspiration kit*	1½"	105 ÷ 1.020	75,00	
OIV013	S115R aspiration kit*	2"	180 ÷ 1.100	89,00	
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)

> Amiad Injection Pump

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



DESCRIPTION

Application

- Fertirrigation system by hydraulic injection pump

Features

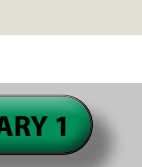
- Injection up to 320 l/h depending on the main irrigation line pressure
- Working pressure: 1 ÷ 8 bar
- Water consumption equal to 3 times the injected fertilizers
- 0,033 lt fertilizer solution each cycle
- Pump brutto weight: 5 kg
- Resistant to all known chemical product used in agriculture and horticulture,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

Materials

- Stainless steel and plastic materials

Injectors > Hydraulic Dosing Pumps

> Tefen Mixrite Proportional Pumps

Code	Description	Dosage %	M coup. Ø	m³/h	€	
FER327*	MixRite OnOff 1 Clorine	0,1 ÷ 1	¾"	1,0	657,00	
FER330	MixRite TF1 OnOff	0,2	¾"	1,0	482,00	
FER331	MixRite TF2.5 OnOff	0,2 ÷ 2	¾"	2,5	497,00	
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	872,00	
FER353	MixRite TF2.5 PVDF OnOff	0,2 ÷ 2	¾"	2,5	670,00	
FER354	MixRite TF2.5 PVDF OnOff	0,4 ÷ 4	¾"	2,5	670,00	
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	1.369,00	
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

Fertigation

Price List



Injectors > Electrical Dosing Pumps

> Membrane

HORIZONTAL ASSEMBLING

Code	Series	Type	l/h	bar	€
FER861	Analog AMS	CL	5	25	780,00
FERD100	Analog AMS	CL	10	15	780,00
FERD101	Analog AMS	CL	20	7	826,00
FERD103	Analog AMS	CL	40	3	871,00
FERD104	Analog AMS	PLUS	5	25	843,00
FERD105	Analog AMS	PLUS	10	15	858,00
FERD106	Analog AMS	PLUS	20	7	889,00
FERD107	Analog AMS	PLUS	40	3	937,00
FERD116	Analog K	CL	5	10	490,00
FERD117	Analog K	CL	8	8	490,00
FERD118	Analog K	PLUS	5	10	536,00
FERD119	Analog K	PLUS	8	8	536,00



FERD124	Digital AMS	MF	5	25	1.053,00
FERD125	Digital AMS	MF	10	15	1.053,00
FERD126	Digital AMS	MF	20	7	1.100,00
FERD127	Digital AMS	MF	40	3	1.146,00
FERD128	Digital AMS	PH	5	25	1.053,00
FERD129	Digital AMS	PH	10	15	1.053,00
FER860	Digital AMS	PH	20	7	1.100,00
FERD130	Digital AMS	PH	40	3	1.146,00
FERD131	Digital AMS	RH	5	25	1.053,00
FER132	Digital AMS	RH	10	15	1.053,00
FERD133	Digital AMS	RH	20	7	1.100,00
FERD134	Digital AMS	RH	40	3	1.146,00
FERD148	Digital KMS	DC	8	8	667,00
FERD157	Digital KMS	PH	8	8	667,00



220 V AC VERTICAL ASSEMBLING

Code	Series	Type	l/h	bar	€
FERD401	Analog T	TCO	5	20	512,00
FERD402	Analog T	TCO	15	5	551,00
FERD403	Analog T	TCO	20	4	551,00
FERD404	Analog T	TCO	30	3	699,00
FERD405	Analog T	TCO	50	1	699,00
FERD409	Analog T	TCL	5	20	605,00
FERD410	Analog T	TCL	15	5	643,00
FERD411	Analog T	TCL	20	4	643,00
FERD412	Analog T	TCL	30	3	788,00
FERD413	Analog T	TCL	50	1	842,00



FERD237	Digital TMS	PH	5	20	826,00
FERD239	Digital TMS	PH	15	5	861,00
FERD431	Digital TMS	PH	20	4	861,00
FERD245	Digital TMS	PH	30	3	1.010,00
FERD433	Digital TMS	PH	50	1	1.010,00
FERD246	Digital TMS	RH	5	20	826,00
FERD440	Digital TMS	RH	15	5	861,00
FERD441	Digital TMS	RH	20	4	861,00
FERD442	Digital TMS	RH	30	3	1.010,00
FERD443	Digital TMS	RH	50	1	1.010,00



12 V DC VERTICAL ASSEMBLING

Code	Series	Type	l/h	bar	€
FERD137S	Digital TMS	PH	10	7	864,00
FERD608	Digital TMS	PH	10	10	864,00



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	Digital signal	Input 4/20 mA	Alarm output
ASM/K	CL	analog	steady	-	-
ASM/K	PV	analog	steady/prop	si	-
ASM/K	PVM	analog	steady/prop	si	-
ASM/K	IC	analog	steady/prop	-	si
AMS	MF	digital	steady/prop	si	si
AMS	PH	digital	proportional	-	si
AMS	RH	digital	proportional	-	si
KMS	DC	digital	steady	-	-

Probes not included

DESCRIPTION

Application

- High-precision dosing system

Features

- Membrane electrical dosing pump
- Vertical 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

ANALOG "T" PUMPS	
Mod.	Features
TCO	Steady pump with flow-rate regulation
TCL	Steady pump with level control and flow-rate regulation
DIGITAL "TMS" PUMPS	
Mod.	Features
PH*	Proportional pump for pH reading and regulation (0 ÷ 14 pH), remote control and level control
RH*	Proportional pumps for Redox reading and potential adjustment (0 ÷ 1000 mV), remote control and level control
*Probes not included	
DC - MF version on request	

PH CONTROL STANDARD CONFIGURATION

FER860 pump + FER819 probe (page 90) + probe housing (page 90)

Injectors > Electrical Dosing Pumps

> Piston Dostec



Code	Type	Engine	P _{max} - bar	l/h _{max}	€
FER047	Dostec 40	12V 130W	3,5	200	943,00
FER043	Dostec 40	12V 300W	10,0	200	1.004,00
FER044	Dostec 40	12V 300W	6,0	300	1.048,00
FER045	Dostec 40	12V 300W	4,5	500	1.159,00
FER056	Dostec 40	Single-phase	15,0	25	930,00
FER057	Dostec 40	Single-phase	15,0	50	930,00
FER058	Dostec 40	Single-phase	15,0	100	971,00
FER059	Dostec 40	Single-phase	11,0	200	999,00
FER060	Dostec 40	Single-phase	7,0	300	1.034,00
FER061	Dostec 40	Single-phase	4,5	500	1.197,00
FER050	Dostec 40	Three-phase	15,0	25	811,00
FER051	Dostec 40	Three-phase	15,0	50	811,00
FER052	Dostec 40	Three-phase	15,0	100	811,00
FER053	Dostec 40	Three-phase	11,0	200	828,00
FER054	Dostec 40	Three-phase	7,0	300	860,00
FER055	Dostec 40	Three-phase	4,5	500	1.059,00
FER062	Dostec 50	Three-phase	11,0	500	1.600,00
FER063	Dostec 50	Three-phase	7,5	750	1.732,00
FER064	Dostec 50	Three-phase	5,5	1.000	1.820,00

> Membrane Dostec



Code	Type	Engine	P _{max} - bar	l/h _{max}	€
FER647	Dostec 40	12V 130W	15,0	25	1.181,00
FER648	Dostec 40	12V 130W	15,0	50	1.247,00
FER649	Dostec 40	12V 130W	10,0	100	1.352,00
FER650	Dostec 40	12V 130W	5,0	200	1.484,00
FER651	Dostec 40	12V 300W	8,0	200	1.720,00
FER652	Dostec 40	12V 300W	5,0	300	1.742,00
FER632	Dostec 40	Single-phase	15,0	25	1.269,00
FER633	Dostec 40	Single-phase	15,0	50	1.357,00
FER634	Dostec 40	Single-phase	10,0	100	1.445,00
FER636	Dostec 40	Single-phase	8,0	200	1.677,00
FER637	Dostec 40	Single-phase	5,0	300	1.906,00
FER640	Dostec 40	Three-phase	10,0	100	860,00
FER642	Dostec 40	Three-phase	8,0	200	1.172,00
FER643	Dostec 40	Three-phase	5,0	300	1.322,00



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
- polyethylene piston
- Adjustable dosage
- Injection by ceramic or high-density
- 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
- Ritention FPM
- Glass ball
- Cylinder: PP
- FPM o-ring
- 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
- Injection by PTFE membrane
- Oil level

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

Price List

Injectors



Dosing Pumps



> 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	4.025,00
FER701	73-AC3P44-P95PPX	1"¼	7,5	900	3.815,00
FER702	73-AC3P44-P77PPX	1"¼	11,0	600	3.595,00
FER703	73-AC2P44-P61PPM	¾"	7,0	360	2.977,00
FER704	73-AC2P44-P49PPM	¾"	11,0	240	2.867,00
FER705	73-AC2P44-P34PPM	¾"	15,0	120	2.790,00



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

Materials

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

> 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	4.246,00
FER708	73-AC3D43-D142PBX	1"¼	10,0	498	3.805,00
FER709	73-AC3D33-D142PBX	1"¼	10,0	249	3.738,00
FER710	73-AC2D42-D95PBM	¾"	8,0	144	2.923,00

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

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 > Electrical Dosing Pumps

> Piston Multifertic



Code	Engine	P _{max} - bar	l/h _{max}	€
FER026	12V 130W	10	50	1.087,00
FER027	12V 130W	5	100	1.274,00
FER028	12V 130W	3	200	1.368,00
FER022	12V 300W	14	100	1.330,00
FER023	12V 300W	7	200	1.423,00
FER024	12V 300W	4	300	1.523,00
FER006	Single-phase	15	50	1.175,00
FER011	Single-phase	15	100	1.362,00
FER012	Single-phase	8	200	1.457,00
FER013	Single-phase	5	300	1.561,00
FER001	Three-phase	15	50	1.098,00
FER002	Three-phase	15	100	1.286,00
FER003	Three-phase	8	200	1.384,00
FER004	Three-phase	5	300	1.484,00
FER005	Three-phase	3	500	1.947,00

Prices referring to 1 module pump

MULTIFERTIC PISTON ADDITIONAL PEAPM MODULES

Code	l/h _{max}	€
FER031	50	685,00
FER032	100	696,00
FER033	200	751,00
FER034	300	860,00
FER035	500	1.296,00



> Membrane Multifertic



Code	Engine	P _{max} - bar	l/h _{max}	€
FERM027	12V 130W	10	50	1.269,00
FERM026	12V 130W	5	100	1.325,00
FERM025	12V 130W	3	200	1.820,00
FERM022	12V DC 300W	10	100	1.710,00
FERM024	12V DC 300W	4	300	1.820,00
FERM012	Single-phase	10	100	1.357,00
FERM013	Single-phase	6	200	1.456,00
FERM014	Single-phase	4	300	1.654,00
FERM002	Three-phase	10	50	1.104,00
FERM003	Three-phase	10	100	1.291,00
FERM004	Three-phase	6	200	1.633,00
FERM005	Three-phase	4	300	1.467,00

Prices referring to 1 module pump

MULTIFERTIC MEMBRANE ADDITIONAL MODULES

Code	l/h _{max}	€
FERM031	50	475,00
FERM032	100	657,00
FERM033	200	751,00



DESCRIPTION

Application

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

Features

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

Specifics

- ENGINE
- Power 0,37Kw (0,5Hp)/single-phase and three-phase - 130W or 300W/12V
- Three-phase 400V 50Hz
- Single-phase 230V 50Hz 12 V DC

Materials

- PEUAPM piston (ultra-high molecular weight polyethylene)
- Bronze gear
- PETP pin
- F-154 CEM pignon
- Cylinder: PP
- Cast aluminium body
- Valves: (body) PP
- F-154 CEM eccentric
- Valves: (ball) glass
- Ritention FKM
- Other materials for particular solution injection on request
- SAE 80 W90 oil

DESCRIPTION

Application

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

Features

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

Specifics

- ENGINE
- Power 0,37Kw (0,5Hp)/single-phase and three-phase - 130W or 300W/12V
- Three-phase 400V 50Hz
- Single-phase 230V 50Hz 12 V DC

Materials

- Reinforced elastomer base membrane + PTFE coating
- Bronze gear
- PETP pin
- F-154 CEM pignon
- Cylinder: PP
- Cast aluminium body
- Valves: (body) PP
- F-154 CEM eccentric
- Valves: (ball) glass
- Ritention FKM
- Other materials for particular solution injection on request
- SAE 80 W90 oil

Price List

Injectors > Accessories



> Valves

Code	Description	€	
FERC007	¾" 6 x 12 anti-siphon valve	95,00	
FERC009	¾" priming valve	54,00	

> Foot Valves

Code	Description	€	
FVF051	Ø ¾" plastic foot valve with filter	13,00	
FVF052	Ø 1" plastic foot valve with filter	15,00	

> GSM

Code	Description	€	
FER717	GSM communication box for Dostec AC (SIM not included)	980,00	

> Dumpers

PP - FPM BODY

Code	Flow-rate l/h	F coupling Ø	€
FERC032	50	¾"	806,00
FERC033	100	½"	842,00
FERC034	300	¾"	1.070,00
FERC011	500	¾"	1.401,00
FERC035	2.000	¾"	2.112,00



STAINLESS STEEL - EPDM BODY

Code	Flow-rate l/h	F coupling Ø	€
FERC036	50	¾"	756,00
FERC037	100	½"	993,00
FERC038	300	¾"	1.213,00
FERC039	500	¾"	1.787,00
FERC040	2.000	¾"	1.787,00



Price List

Injectors > Accessories



> Electrical Turbine Agitators

Code	Coup.	Liquid m ³ _{max}	Shaft mm	Supply	Power W	€	
FER176	Flange	0,6	1.100	12V DC	130	943,00	
FER172	Flange	1,8	1.300	12V DC*	300	926,00	
FER173	Flange	1,5	1.000	12V DC*	300	872,00	
FER175	Flange	0,6	1.100	Sing.-ph.	185	487,00	
FER170	Flange	3,0	1.300	Sing.-ph.	370	982,00	
FER171	Flange	2,3	1.000	Sing.-ph.	370	801,00	
FER167	Flange	10,0	1.500	Sing.-ph.	750	1.087,00	
FER174	Flange	0,6	1.100	Three-ph.	185	453,00	
FER168	Flange	3,0	1.300	Three-ph.	370	662,00	
FER169	Flange	2,3	1.000	Three-ph.	370	618,00	
FER160	Flange	7,0	2.000	Three-ph.	500	1.379,00	
FER161	Flange	6,0	1.800	Three-ph.	500	1.379,00	
FER166	Flange	10,0	1.500	Three-ph.	750	839,00	
FER183	Clamp	1,8	1.300	12V DC*	300	1.080,00	
FER184	Clamp	1,5	1.000	12V DC*	300	1.110,00	
FER181	Clamp	3,0	1.300	Sing.-ph.	370	1.020,00	
FER182	Clamp	2,3	1.000	Sing.-ph.	370	980,00	
FER178	Clamp	10,0	1.500	Sing.-ph.	750	1.270,00	
FER179	Clamp	3,0	1.300	Three-ph.	370	820,00	
FER180	Clamp	2,3	1.000	Three-ph.	370	760,00	
FER177	Clamp	10,0	1.500	Three-ph.	750	1.000,00	

*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
- Clamp or flange fixing
- Perfectly balanced for heavy and extended working
- Exclusively functioning with liquid in the tank

Materials

- Agitator shaft: stainless steel
- Turbine: polypropylene

TURBINE WITH BIDIRECTIONAL ROTATION



AGITATOR WITH CLAMP WITH FLANGE



Fertigation

> 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	433,00
EQE547	Three-phase	1	525,00
EQE548	Single-phase	2	681,00
EQE549	Three-phase	2	930,00

Price List



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	5.190,00
FERK125	12V DC	200	10	1.000	5.062,00
FERK122	12V DC	300	6	1.000	4.874,00
FERK121	12V DC	500	4,5	1.000	5.015,00
FERK104	Sing.-ph.	100	15	300	2.818,00
FERK105	Sing.-ph.	200	11	300	2.893,00
FERK106	Sing.-ph.	300	7	300	2.941,00
FERK110	Sing.-ph.	100	15	500	3.058,00
FERK111	Sing.-ph.	200	11	500	3.076,00
FERK112	Sing.-ph.	300	7	500	3.109,00
FERK100	Sing.-ph.	300	7	1.000	3.477,00
FERK102	Sing.-ph.	500	4,5	1.000	3.600,00

FERK107	Three-ph.	100	15	300	2.835,00
FERK108	Three-ph.	200	11	300	2.853,00
FERK109	Three-ph.	300	7	300	3.146,00
FERK113	Three-ph.	100	15	500	2.970,00
FERK114	Three-ph.	200	11	500	2.993,00
FERK115	Three-ph.	300	7	500	3.337,00
FERK101	Three-ph.	300	7	1.000	3.577,00
FERK103	Three-ph.	500	4,5	1.000	3.694,00

Code	Supply	Tank lt capac.	€
FERK010	Single-phase	300	2.058,00
FERK012	Single-phase	500	2.198,00
FERK014	Single-phase	1.000	2.595,00
FERK011	Three-phase	300	1.976,00
FERK013	Three-phase	500	2.093,00
FERK015	Three-phase	1.000	2.514,00

Code	Supply	Inje. l/h	Tank lt capac.	€
OKTS106	Sing.-ph.	8	300	1.895,00
OKTS107	Sing.-ph.	20	300	2.291,00
OKTS114	Sing.-ph.	8	500	2.058,00
OKTS115	Sing.-ph.	20	500	2.444,00
OKTS116	Sing.-ph.	8	1.000	2.362,00
OKTS117	Sing.-ph.	20	1.000	2.759,00

LANDSCAPE



IRRIGATION
IRRIGATION PROGRAMMERS
ELECTROVALVES
SPRAYS
ROTORS
ACCESSORIES

SUMMARY 1

Price List

Scarabelli > 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

Port. l/h	mH2O				
	5	10	15	20	30
2,0	1,38	2,00	2,48	2,89	3,6

TECHNICAL FEATURES

Ø _{nom}	Spess. mm	Ø _{int}	Ø _{est}	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	0,44	11,00
TAG564	30	2,0	50	0,42	20,90
TAG561	30	2,0	100	0,40	39,60

> Self-Compensating Brown Driplin PC2



DESCRIPTION

Application

- Landscape areas
- Perfect for slopes or relevant length 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 _{est}	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	0,75	37,40
TAG551	PC2 Brown	30	2,2	100	0,72	71,50
TAG552	PC2 Brown	40	2,2	100	0,66	66,00
TAG557	PC2 Brown	30	2,2	400	0,65	259,60
TAG558	PC2 Brown	40	2,2	400	0,59	237,60

> 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	58,12
TPE115	16 - XF	Brown	1 x 100	78,95

> 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	1,28	38,33
TAG542	Self-compensatin micro-dripline LDQ	30	3,0	30	0,92	27,45

> 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	1,1926	59,63
TAG545	Self-compensatin dripline XFD	33	2,3	100	1,1418	114,18
TAG547	Self-compensatin dripline XFD	50	2,3	100	0,9567	95,67

Price List

Rain Bird >

> Brown Self-Compensating Dripline XFS Ø 16 for Sub-Irrigation



DESCRIPTION

Application

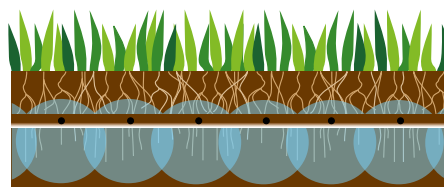
- Designed for drip irrigation of turfs or of areas with shrubs and ground-covers. Also fit for agriculture
- CopperShield root inhibitor technology
- Ideal for small and tight areas, with dense plantings and for tight bends areas or with ups and downs

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	1,6429	164,29

*For container available with different spacing and flow-rates and coils up to 400 mt

> Manifold for Dripline



DESCRIPTION

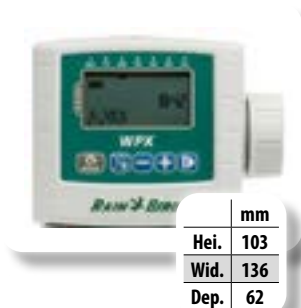
Specifics

- Fittings for Ø 16 dripline preassembled on Ø 25 mm pipe
- PPE BD Pn 4 pipe - brown, for both above and underground
- Pre-installed adjustable fitting
- Heavy dripline fitting with anti-slip system

Code	Description	cm spac.	Ø mm	mt coils	€ _{coil}
TAG539	QF manifold	30	25	30	217,33
TAG540	QF manifold	40	25	30	202,73

Rain Bird > Irrigation Programmers

> WPX



Code	Type	Zone	€
OPG452	WPX-1	1	113,31
OPG453	WPX-2	2	195,18
OPG454	WPX-4	4	213,01
OPG455	WPX-6	6	240,41

OPG456	Wall mounting kit	18,09
--------	-------------------	-------

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	Description	€
OPG450	WPX-DV - Single station programmer kit - including WPX programmer and hydrovalve (DV Ø 1")	147,37

> TAP Timer



Code	Description	€
OPG289	TAP timer	62,40

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

> ESP-RZXe Programmers



Code	Type	Mod.	Install.	Zone	€
OPG515	RZXe-4	F55324	indoor	4	103,95
OPG516	RZXe-6	F55326	indoor	6	117,30
OPG517	RZXe-8	F55328	indoor	8	138,51
OPG518	RZXe-4	F55354	outdoor*	4	161,80
OPG519	RZXe-6	F55356	outdoor*	6	186,33
OPG520	RZXe-8	F55358	outdoor*	8	226,86

*While stocks last

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

	Int.	Est.
	mm	
Hei.	150	199
Wid.	169	201
Dep.	39	39

Price List



RAIN BIRD

Rain Bird > Irrigation Programmings

> ESP-TM2 Programmings



	mm
Hei.	200
Wid.	201
Dep.	90

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	Mod.	Install.	Zone	€
OPG385	ESP-TM2	F54224	outdoor	4	175,00
OPG386	ESP-TM2	F54226	outdoor	6	201,50
OPG387	ESP-TM2	F54228	outdoor	8	245,37
OPG388	ESP-TM2	F54232	outdoor	12	318,95

> ESP-Me3 Programmings



	mm
Hei.	195
Wid.	272
Dep.	112

DESCRIPTION

- ESP-Me3 programmer

Model

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.	Zone	€
OPG249	ESP-Me-4 stations	F55420	outdoor	4	277,99
OPG277	Expansion module 3 stations	ESPSM3	on ESP-Me3	3	49,52
OPG243	Expansion module 6 stations	ESPSM6	on ESP-Me3	6	89,07



See water meters on page 170

ACCESSORIES

Code	Description	Install.	Mod.	€
OPG521	LNK Wi-Fi module	ESP-Me ESP-RZxe ESP-TM2	F55002	148,26
OSN003	TDT soil humidity sensor	With 24 V AC programmers	A65020	278,97



Code	Description	Install.	Mod.	€
OSN013	RSD-BEX rain sensor	With 24 V AC and 9V DC battery programmers	A61200	43,62
OSN014	Wi-Fi combo rain sensor	With 24 V AC programmers	WR2RFC	150,29



Rain Bird > Irrigation Programmings

> ESP-LXME Programmings



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.	Zone	€
OPG284	Modular programmer 8 stations, base	F44082S	outdoor	8	506,52
OPG337	Flow smart Modular prog. 12 st.	F45122	outdoor	12	819,06
OPG280	8 stations expansion module	F42210	ESP-LXME	8	205,68
OPG283	12 stations expansion module	F42220	ESP-LXME	12	279,44
OPG316	IQ GPRS + 1 year + SIM communication module		IQ4613E		2.692,83

> ESP-LXD Programmings



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.	Zone	€
OPG287	ESP-LXD-50	F43120	outdoor	50	2.266,51
OPG288	75 stations expansion module	F43150	ESP-LXD	75	383,33
OPG316	IQ GPRS + 1 year + SIM communication module	IQ4613E			2.692,83

Code	Type	Mod.	€
OAC208	1 outputs decoder - 1 solenoid station	M61101	134,59
OAC212	1 outputs decoder - 2 solenoid station	M61000	188,00
OAC209	2 outputs decoder - 2 solenoid station	M61400	307,20
OAC210	4 outputs decoder - 1 solenoid station	M61440	343,44
OAC211	6 outputs decoder - 1 solenoid station	M61600	604,30
OAC206	Pump control decoder	M72000	989,75
OAC207	Sensor decoder	M62001	585,21
OAC205	Lightning protection line	M98999	86,09



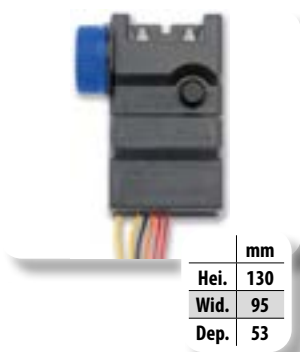
See specific decoder cable
on page 77

Price List



RAIN BIRD

Rain Bird > Municipalities Battery Irrigation Programmers > 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	152,89
OPG327	T-BOS2 - BlueTooth 2 Stations	F48502	176,42
OPG328	T-BOS2 - BlueTooth 4 Stations	F48504	192,45
OPG329	T-BOS2 - BlueTooth 6 Stations	F48506	208,49

Rain Bird > 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	21,34
OVA082	H05000	No	M/M	1"	10	9,1	20	21,34
OVA083	H01010	Si	F/F	1"	10	9,1	20	24,16

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	39,53
OVA085	H05040	No	M/M	1"	10	9,1	20	39,53

Rain Bird > 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	31,40

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	49,42

> 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	32,82
OVA163	B70211	F/F	1"	10	9,0	20	32,82
OVA166	B70500	M/M	1"	10	9,0	20	32,82

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	42,92

DV 9 V DC SERIES

Code	Mod.	Coup.	Ø	PN	Q _{max} m ³ /h	Box	€/each
OVA162	B70240	F/F	1"	10	9,0	20	52,67
OVA165	B70540	M/M	1"	10	9,0	20	52,67

> 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	84,99
OVA108	B31540	F/F	1½"	10	21,0	20	119,50
OVA107	B31640	F/F	2"	10	34,0	20	149,21

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	57,56
OVA106	B31510	F/F	1½"	10	21,0	20	93,88
OVA168	B31610	F/F	2"	10	34,0	20	132,13

ACCESSORIES - PRESSURE REGULATOR

Code	Mod.	Description	€
FRP056	B33135	PGA valve pressure regulator	98,49

Price List



RAIN BIRD

Rain Bird > Sprays

> Uni-Spray Series (Sprinkler+Adjustable Nozzle)



Code	Nozzle	RB Model	Throw max mt	Box*	€/each
OIS222	10-VAN	P4101001	3,1	50	3,66
OIS223	12-VAN	P4101201	3,7	50	3,66
OIS224	15-VAN	P4101501	4,6	50	3,66
OIS225	18-VAN	P41018	5,5	50	3,66
OIS232	8-HEVAN	P40008	2,4	50	3,76
OIS233	10-HEVAN	P40010	3,0	50	3,76
OIS234	12-HEVAN	P40012	3,7	50	3,76
OIS235	15-HEVAN	P40015	4,6	50	3,76
OIS237	418-RVAN**	P40118	5,5	50	11,24
OIS238	424-RVAN**	P40124	7,3	50	11,24
OIS226	Only body	P40000		50	2,25

*Loose sprinklers on request - **While stocks last

DESCRIPTION

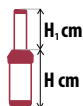
Specifics

- Throw range: 2,4 ÷ 7,3 m
- Pressure: HEVAN 1,4 ÷ 3,8 bar - others 1 ÷ 2,1 bar
- BSP 1/2" 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



Code	H	H ₁
OIS200	10	5
OIS202	15	10
OIS204	30	15
OIS205	15	10

DESCRIPTION

Specifics

- Throw range: 0,8 ÷ 7,3 m
- Pressure: 1,0 ÷ 4,8 bar
- BSP 1/2" 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	3,41
OIS202	15	75	3,39
OIS204	24	50	17,62

*Loose sprinklers on request

1800 SERIES/VALV. SAM

Code	Body cm	Box*	€/each
OIS205	15	75	6,96

*Loose sprinklers on request

1800 SAM PRS SERIES

Code	Model	Box*	€/each
OIS209	1804 SAM-PRS 2.1 - A37341	75	12,51
OIS210	1804 SAM-PRS 3.1 - A37441	75	12,51
OIS211	1806 SAM-PRS 2.1 - A37361	50	20,57
OIS212	1812 SAM-PRS 2.1 - A37321	50	27,38

*Loose sprinklers on request

Rain Bird > 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	2,35
8 Green 10° series	U523	8-Q	U521	8-H	U520	8-F	25	2,35
10 Light Blue 15° series	U527	10-Q	U525	10-H	U524	10-F	25	2,35
12 Brown 30° series	U532	12-Q	U530	12-H	U528	12-F	25	2,35
15 Black 30° series	U537	15-Q	U535	15-H	U533	15-F	25	2,35

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	2,35

Description	Left angle		Right angle		Box	€/each.
	Code	Mod.	Code	Mod.		
Series 15 Black 30°	U542	15LCS	U543	15RCS	25	2,35

> 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	2,13
6VAN	U343	0-330° 0° orange	25	2,13
8VAN	U342	0-330° 5° green	25	2,13
10VAN	U341	0-360° 10° blue	25	2,13
12VAN	U340	0-360° 15° brown	25	2,13
15VAN	U339	0-360° 23° black	25	2,13
18VAN	U338	0-360° 26° beige	25	2,13

> 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	2,14
10 HE-VAN	U347	0-360° 27° blue	25	2,14
12 HE-VAN	U348	0-360° 23° brown	25	2,14
15 HE-VAN	U349	0-360° 25° black	25	2,14

Price List



RAIN BIRD

Rain Bird > Sprays Nozzles

> 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	7,78
U374	R-VAN 18 brown	$45^\circ \div 270^\circ$	$4,0 \div 5,5$	10	7,78
U376	R-VAN 24 bordeaux	$45^\circ \div 270^\circ$	$5,2 \div 7,3$	10	7,78

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	7,78
U547	R-VAN 18 - 360 brown	360°	$4,0 \div 5,5$	10	7,78
U548	R-VAN 24 - 360 bordeaux	360°	$5,2 \div 7,3$	10	7,78

STRIP NOZZLES

Code	Description	Arco	Throw range mt	Box	€/each.
U377	R-VAN LCS light grey	Left strip	$1,5 \times 4,6$	10	7,78
U379	R-VAN SST black	Side strip	$1,5 \times 9,1$	10	7,78
U378	R-VAN RCS dark gray	Right strip	$1,5 \times 4,6$	10	7,78

Rain Bird > Medium Throw-Range Rotors

> 3504 Series



3504 SERIES

Code	Box*	€/each
OID890	20	14,86

3504 SERIES/VALV. SAM

Code	Box*	€/each
OID901	20	22,36

*Loose sprinklers on request

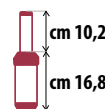
DESCRIPTION

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: $40^\circ \div 360^\circ$

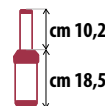
Features

- 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



Rain Bird > Medium and Large Throw-Range Rotors

> 5004 Series



DESCRIPTION

Specifics

- Throw range: 7,6 ÷ 15,2 m
- Throw-range by adjustment screw: up to 5,7 m
- Pressure: 1,7 ÷ 4,5 bar

- Nozzles flow-rate: 0,17 ÷ 2,19 m³/h
- ¾" female threaded fitting
- Adjustable angle: 40° ÷ 360°

Features

- Interchangeable mouthpiece set - 4 nozzles - angle 10° + 8 angle 25° nozzles
- Internal filter eased maintenance
- Adjustment screw

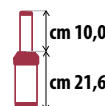
- Arc adjustment by head
- Check valve Seal-A-Matic. Optional max 2,1 mH2O
- Plastic and stainless steel body and internal parts
- 5000 Plus model allows manual stop of single spray head

Code	Description	Box*	€/each
OID902	5004 PC/3.0 reversing full and part-circle adjustment (40° - 360°); pre-installed mouthpiece of 3.0; black cover	20	16,31
OID904	5004 Plus-PC/3.0 reversing full and part-circle adjustment (40° - 360°); pre-installed mouthpiece of 3.0; green cover	20	19,90
OID905	5004 Plus-FC Y45010 with full circle (360°)	20	19,90
OID906	5004 with SAM check valve	20	25,08

*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 irrigator with cover closed, excellent solution for large green areas irrigation systems and sport fields: football, rugby, tennis

Specifics

- Standard model throw-range: 11,9 ÷ 19,8 m
- High-speed model throw-rate: 11,3 ÷ 18,6 m
- Flow-rate: 0,66 ÷ 4,93 m³/h
- Pressure: 2,1 ÷ 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: Ø 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	€
OID809	Irrigatore Falcon PC-SS-HS - B65841; bown cover	188,34
OID810	Irrigatore Falcon FC - B65311	82,50
OID811	Irrigatore Falcon PC - B65301	82,50

Article	Description	€
OID812	Irrigatore Falcon FC-SS Inox - B65811	104,61
OID813	Irrigatore Falcon PC-SS Inox - B65801	104,61

No mouthpiece included - while placing the order, please specify mouthpiece

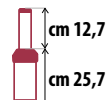
Price List



RAIN BIRD

Rain Bird > Large Throw-Range Rotors

> 8005 Series



DESCRIPTION

Specifics

- Sport areas
- Throw range: 17,4 ÷ 24,7 m
- Pressure: 3,5 ÷ 6,9 bar
- 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

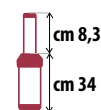
Nozzle N.	Color	Q m ³ /h	Nozzle N.	Color	Q m ³ /h
4	black	1,06	16	brown	3,99
6	light blue	1,54	18	blue	4,47
8	green	2,09	20	red	5,11
10	grey	2,5	22	yellow	5,84
12	beige	3,05	24	orange	6,26
14	light green	3,54	26	white	6,8

Flow-rate value by 5 bar

Code	Description	€
OID814	8005 with plastic sleeve	118,01
OID815	8005 with stainless steel coating, plastic sleeve	143,84
OAA102	8005 series sprinkler sodcup	78,36



> Eagle Series



DESCRIPTION

Specifics

- 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
- Angle: 25°
- Maximum jet height: 6,1 m
- 1½" 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	464,52
OID818	Variable sector eagle 950	525,38
OAA105	Artificial grass cover for Eagle series sprinkler	253,71
OAA106*	Rubber cover for Eagle 900 series	167,03
OAA107*	Rubber cover for Eagle 950 series	167,03

*While stocks last

Code	Description	Box	€
UR030	Blue mouthp. 44 x Eagle 900-213900-44	10	11,06
UR031	Yellow mouthp. 48 x Eagle 900-213900-48	10	11,06
UR032	Orange mouthp. 52 x Eagle 900-213900-52	10	11,06
UR034	Black mouthp. 60 x Eagle 900-213900-60	10	11,06
UR035	Red mouthp. 64 x Eagle 900-213900-64	10	11,06
UR036	White mouthp. 18 x Eagle 950-213950-18	10	11,06
UR038	Blue mouthp. 22 x Eagle 950-213950-22	10	11,06
UR039	Yellow mouthp. 24 x Eagle 950-213950-24	10	11,06
UR040	Orange mouthp. 26 x Eagle 950-213950-26	10	11,06
UR043	Brown mouthp. 32 x Eagle 950-213950-32	10	11,06



Price List

> Valve Box



Code	Mod.	Description	€	RAIN BIRD
OPZ100	A11480	Circular/round valve box Ø 18 x 22,9 cm H	16,03	
OPZ101	A11458	Circular/round valve box Ø 25 x 25,4 cm H	23,09	
OPZ102	A11408	Rectangular standard valve box L x P x H - 55,4 x 42,2 x 30,5 cm	40,39	
OPZ103	A11438	Jumbo valve box L x P x H - 66,8 x 50,3 x 30,7 cm	64,48	
OPZ104	A61473	Super jumbo valve box L x P x H - 84,1 x 60,5 x 38,1 cm	251,00	
OPZ105	A61483	Maxi jumbo valve box L x P x H - 102,4 x 68,8 x 47,5 cm	451,98	

> Residential Valve Box RB



Code	Model	Description	€	RAIN BIRD
OPZ200	VBA02672	Circular valve box Ø 20 x 23,6 cm H	7,09	
OPZ201	VBA02673	Circular valve box Ø 33,5 x 25,5 cm H	15,07	
OPZ202	VBA02674	Standard rectangular valve box L x P x H - 50,5 x 37 x 30,5 cm	35,42	
OPZ203	VBA02675	Jumbo valve box L x P x H - 63 x 48 x 30,5 cm	56,57	



> 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	9,50	
OPZ042	Synthetic light resin rectangular valve box	380 x 510 x h 300	25,50	
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	152,00	

> 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.

Price List

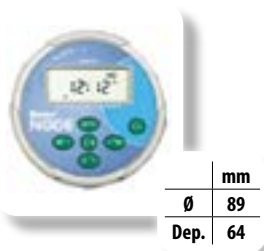


Hunter

NEW

Hunter >

> NODE Programmers



	mm
Ø	89
Dep.	64

DESCRIPTION

Application

- Battery programmer for simple use residential irrigation systems

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 mm²	30 mt
-------------	-------

Code	Description	€
OPG150	1 stations 9 V 100 programmer	140,00
OPG152	2 stations 9 V 200 programmer	193,00
OPG153	4 stations 9 V 400 programmer	229,00
OPG157	6 stations 9 V 600 programmer	264,00
OPG174	1 station 9 V 100 BT programmer	138,00
OPG175	2 stations 9 V 200 BT programmer	197,00
OPG176	4 stations 9 V 400 BT programmer	228,00
OPG042	1 stations 100 programmer + valve 1"9V	162,00
OPG050	1 stations 100 BT programmer + valve 1"9V	161,00

> Eco-Logic Programmers



	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	61,80
OPG039	Eco-Logic 6 sectors programmer	70,10

> X-Core Programmers



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	86,00
OPG040	4 stations XC-401 Indoor programmer	97,00
OPG038	6 stations XC-601 Indoor programmer	108,00
OPG037	8 stations XC-801 Indoor programmer	136,00
OPG044	4 stations XC-401 Outdoor programmer	149,00
OPG045	6 stations XC-601 Outdoor programmer	170,00
OPG046	8 stations XC-801 Outdoor programmer	212,00

> X2 Programmers



	mm
Hei.	230
Wid.	190
Dep.	100

DESCRIPTION

Application

- Outdoor programmer for residential systems

Specifics

- 3 independent daily programs
- 4 departures day per program
- Hydrawise management module
- Max station irrig. time: 6 hours
- External sensor port
- Amazon Alexa compatible

Code	Description	€
OPG364	X2 programmer - 4 sectors	143,10
OPG365	X2 programmer - 6 sectors	166,50
OPG366	X2 programmer - 8 sectors	206,20
OPG367	X2 programmer - 12 sectors	342,00
OPG368	Wi-Fi Wand module	173,00

> Pro-C Programmers



	mm
Hei.	226
Wid.	251
Dep.	109

DESCRIPTION

Application

- Modular expandable outdoor programmer for residential irrigation systems

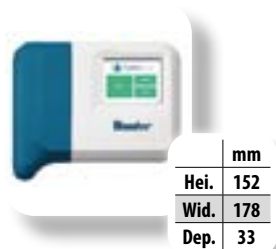
Specifics

- 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	262,00
OPG117	3 stations expansion increases the number of sectors from 4 to 7, from 7 to 10 and from 10 to 13	82,00
OPG113	9 stations expansion can be used to increase the number of sectors only from 7 to 16	290,00

Landscape

> HC Programmings



	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	325,50
OPG159	Prog. HC Hydrawise ID - 126 sectors	379,50
OPG160	Hydrawise + HC 12 sector module	239,60

> HCC Programmings



	Plastica	Metallo
	mm	mm
Alt.	305	406
Lar.	350	330
Pro.	127	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	776,00
OPG370	Prog. Metal HCC - 8 sectors	1.191,50

> Programmer Accessories

Code	Description	€
OSN202	Mini Klik rain sensor	49,70
OSN206	Wireless Solar Sync sensor, receiver, and gutter mount	307,40
OPG373	Remote control system Roam Kit 300 mt	389,10
OPG374	Roamr receiver 300 mt	201,40
OPG375	Roamxl Kit 3 km remote control system	1.224,30
OPG376	Roamr xlr receiver 3 km	635,00

> 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	25,00
OVA133	MM-PGV-101MM-B	1"	10	9,0	20	26,50
OVA134	FF-PGV-151-B	1½"	10	27,0	8	89,40
OVA135	FF-PGV-201-B	2"	10	34,0	8	109,40

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	42,30
OVA137	FF-PGV-151-B-DC	1½"	10	27,0	8	111,90
OVA138	FF-PGV-201-B-DC	2"	10	34,0	8	132,80

ICV SERIES 24 V AC

Code	Article	Ø	PN	Q _{max} m³/h	Box	€/each
OVA150	ICV-101G-B	1"	15	9,0	12	86,80
OVA151	ICV-151G-B	1½"	15	34,0	8	113,50
OVA152	ICV-201G-B	2"	15	45,0	8	146,90
OVA153	ICV-301-B	3"	15	68,0	1	480,20

PGV mm

Ø	Hei.	Len.	Wid.
1"	130	110	60
1½"	190	150	110
2"	200	170	130

ICV mm

Ø	Hei.	Len.	Wid.
1"	140	120	100
1½"	180	170	140
2"	180	170	140
3"	270	220	190

Price List

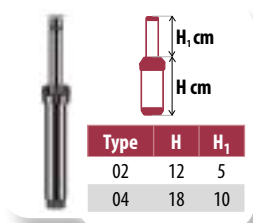
Hunter > Sprays



Hunter

NEW

> PS Ultra



DESCRIPTION

Specifics

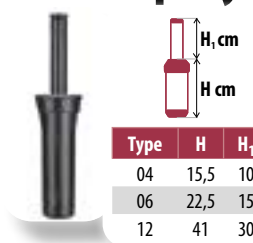
- Pressure: 1,4 ÷ 4,8 bar
- Compatible with all 0 1/2" female heads
- 0 1/2" female threaded connection

Code	Description	B.	€
OIS254	PS Ultra 02 Without/Nozzle	50	3,20
OIS249	PS Ultra 02 8 A	50	3,60
OIS250	PS Ultra 02 10 A	50	3,60
OIS251	PS Ultra 02 12 A	50	3,60
OIS252	PS Ultra 02 15 A	50	3,60
OIS253	PS Ultra 02 17 A	50	3,60

Code	Description	B.	€
OIS255	PS Ultra 04 8 A	50	3,40
OIS255	PS Ultra 04 10 A	50	3,40
OIS256	PS Ultra 04 12 A	50	3,40
OIS257	PS Ultra 04 15 A	50	3,40
OIS258	PS Ultra 04 17 A	50	3,40

OIS261	PS Ultra 04 REG 55S	50	3,90
--------	---------------------	----	------

> Pro-Spray 04



DESCRIPTION

Specifics

- Pressure: 1,0 ÷ 7,0 bar
- Compatible with all 1/2" female heads
- Fitting: 1/2" female threaded

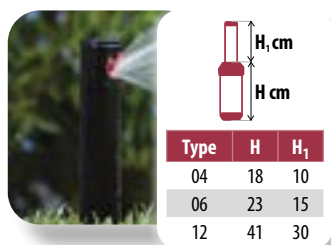
Features

- Innovative purge cap
- High-performing return spring
- Innovative form seal
- Option: anti-draining valve

Code	Model	Box	€/each
OIS219	Pro-Spray 04	50	3,10
OIS213	Pro-Spray 06	50	15,60
OIS214	Pro-Spray 12	50	21,20

Hunter > Medium Throw-Range Rotors

> PGJ



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	14,90
OID628	PGJ 06	25	37,00
OID639	PGJ 12	25	51,90

> SRM



DESCRIPTION

Specifics

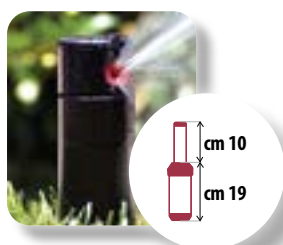
- Throw range: 4,0 ÷ 9,4 m
- Pressure: 1,7 ÷ 3,8 bar
- Nozzles flow-rate: 0,08 ÷ 0,82 m³/h
- Fitting: 1/2" female threaded
- Adjustable angle: 40° ÷ 360°

Features

- Interchangeable mouthpiece set - 6 pcs
- Nozzles angle: 15°
- Adjustment screw
- Arc adjustment by head

Code	Box	€/each
OID632	25	13,70

> PGP-ADJ



DESCRIPTION

Specifics

- Throw range: 6,4 ÷ 15,8 m
- Pressure: 1,7 ÷ 4,5 bar
- Nozzles flow-rate: 0,10 ÷ 3,22 m³/h
- 3/4" female threaded fitting
- Adjustable angle: 40° ÷ 360°

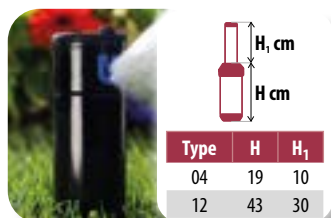
Features

- Interchangeable mouthpiece set - 16 pcs
- Rubber cap
- Nozzles angle: 25°(red) - 13° (grey)
- Adjustment screw
- Arc adjustment by head

Code	Box	€/each
OID631	25	17,00

Hunter > Large Throw-Range Rotors

> PGP-ULTRA



DESCRIPTION

- Throw range: 4,9 ÷ 14,0 m
- Pressure: 1,7 ÷ 4,5 bar
- Nozzles flow-rate: 0,07 ÷ 3,23 m³/h

Features

- Interchangeable mouthpiece set - 2 pcs
- Rubber cap
- Nozzles angle: 25°(red) - 13° (grey)
- Adjustment screw

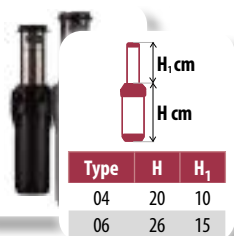
Specifics

- ¾" female threaded fitting
- Adjustable angle: 40° ÷ 360°

- Arc adjustment by head

Code	Model	Box	€/each
OID633	PGP 04 Ultra	20	17,20
OID647	PGP 12 Ultra	20	57,70

> I25



DESCRIPTION

- Throw range: 11,96 ÷ 21,6 m
- Pressure: 2,5 ÷ 7,0 bar
- Nozzles flow-rate: 0,82 ÷ 7,24 m³/h

Features

- Interchangeable mouthpiece set - 5 pcs
- Nozzles angle: 25°
- Adjustment screw
- **OID634 plastic body**
- **OID635 stainless steel body**

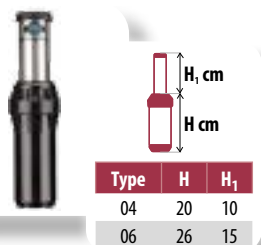
Specifics

- 1" female threaded fitting
- Adjustable angle: 50° ÷ 360°

- Arc adjustment by head

Code	Model	Box	€/each
OID634	I25 - 04 B	25	74,20
OID635	I25 - 04 SST	25	99,40
OID638	I25 - 06 SST	25	117,50

> I40



DESCRIPTION

- Throw range: 13,1 ÷ 23,2 m
- Pressure: 2,5 ÷ 7,0 bar
- Nozzles flow-rate: 1,63 ÷ 6,84 m³/h

Specifics

- 1" female threaded fitting
- Adjustable angle: 50° ÷ 360°

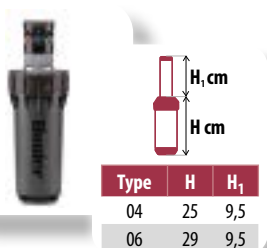
Features

- 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	147,40
OID642	I40 - 06 SSB	25	166,80

> I80



DESCRIPTION

- Throw range: 11,3 ÷ 29,5 m
- 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 1/2" female threaded fitting
- Adjustable angle: 60° ÷ 360°

- Arc adjustment by head

Code	Model	Box	€/each
OID643	I80 - 04 SSB	25	259,10
OID644	I80 - 06 SSB	25	279,00
OAA019	I80 patch holder kit		386,10

> I90



DESCRIPTION

- Throw range: 22,3 ÷ 31,4 m
- 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 1/2" female threaded fitting
- Adjustable angle: 40° ÷ 360°

Code	Box	€/each
OID645	20	273,00
OID646	20	273,00

Code	Description	€
OAA161	Sod cup kit	87,30

Price List

Hunter >



Hunter



> 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 2,10
H 180°	U443	U439	U435	U431	U425	U420	10 2,10
F 360°	U442	U438	U434	U428	U422		10 2,10

> Pro-Spray Pro Adjustable Nozzles

Models							
	4A	6A	8A	10A	12A	15A	
Color	light green	light blue	brown	red	green	black	
mt radius	1,2	1,8	2,4	3,0	3,7	4,6	5,2
	Code						Box €/each
	U355	U356	U357	U358	U359	10	1,70 10 1,90

> 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	12,80
U160	MP Rotator nozzle	MP800	360	1,8 ÷ 3,5	10	12,80
U156	Adjustable MP Rotator nozzle	MP815	90 - 210	2,5 ÷ 4,9	10	12,80
U157	Adjustable MP Rotator nozzle	MP815	210 - 270	2,5 ÷ 4,9	10	12,80
U158	MP Rotator nozzle	MP815	360	2,5 ÷ 4,9	10	12,80
U161	Adjustable MP Rotator nozzle	MP1000	90 - 210	2,5 ÷ 4,5	10	12,80
U162	Adjustable MP Rotator nozzle	MP1000	210 - 270	2,5 ÷ 4,5	10	12,80
U163	MP Rotator nozzle	MP1000	360	2,5 ÷ 4,5	10	12,80
U164	Adjustable MP Rotator nozzle	MP2000	90 - 210	4,0 ÷ 6,4	10	12,80
U165	Adjustable MP Rotator nozzle	MP2000	210 - 270	4,0 ÷ 6,4	10	12,80
U166	MP Rotator nozzle	MP2000	360	4,0 ÷ 6,4	10	12,80
U167	Adjustable MP Rotator nozzle	MP3000	90 - 210	6,7 ÷ 9,1	10	12,80
U168	Adjustable MP Rotator nozzle	MP3000	210 - 270	6,7 ÷ 9,1	10	12,80
U169	MP Rotator nozzle	MP3000	360	6,7 ÷ 9,1	10	12,80
U172	MP Rotator nozzle left corner strip	MP-LCS515	-	1,5 ÷ 4,6	10	12,80
U173	MP Rotator nozzle right corner strip	MP-RCS515	-	1,5 ÷ 4,6	10	12,80
U171	MP Rotator Side Strip Nozzle	MP-S5530	-	1,5 ÷ 9,1	10	12,80
U170	MP Rotator Corner Nozzle	MP-CORNER	45 - 105	2,5 ÷ 4,5	10	12,80



Price List

Toro >

> 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	4,80	
OIS150	LPS fixed sprinklers	5,0	10	3,0	½"	100	4,80	
OIS152	LPS fixed sprinklers	5,0	12	3,6	½"	100	4,80	
OIS155	LPS fixed sprinklers	5,0	15	4,5	½"	100	4,80	
OIS157	LPS fixed sprinklers	5,0	17	5,2	½"	100	4,80	
OIS179	LPS fixed sprinklers	10,0	8	2,4	½"	50	5,10	
OIS180	LPS fixed sprinklers	10,0	10	3,0	½"	50	5,10	
OIS182	LPS fixed sprinklers	10,0	12	3,6	½"	50	5,10	
OIS185	LPS fixed sprinklers	10,0	15	4,5	½"	50	5,10	
OIS187	LPS fixed sprinklers	10,0	17	5,2	½"	50	5,10	

Code	Description	Pop-up height cm	570 model	Coupling F	Box	€/each	
OIS011	570 fixed sprinklers only body	5,0	2P	½"	100	5,90	
OIS001	570 fixed sprinklers only body	7,5	3P	½"	100	6,10	
OIS002	570 fixed sprinklers only body	10,0	4P	½"	50	6,00	
OIS013	570 fixed sprinklers only body With check valve		4P COM	½"	1	13,30	
OIS003	570 fixed sprinklers only body	15,0	6P	½"	1	22,70	
OIS021	570 fixed sprinklers only body Base and side coupling		6 PSI	½"	1	27,50	
OIS004	570 fixed sprinklers only body	30,0	12P	½"	1	31,00	
OIS010	570 fixed sprinklers only body Base and side coupling		12 PSI	½"	1	39,50	
OIS040	570 fixed sprinklers only body	10,0	4P XF	½"	1	12,50	
OIS041	570 fixed sprinklers only body	15,0	6P- XF	½"	1	29,90	
OIS042	570 fixed sprinklers only body	30,0	12P XF	½"	1	42,10	

> Sprays Nozzles



Code	Model	B.	€/ea.	Code	Model	B.	€/ea.	Code	Model	B.	€/ea.	
U106	570 5-Q-pc 90° - 89-1488	25	3,60	U082	570 10-TQ-pc 270° - 89-1440	25	3,60	U124	570 TVAN nozzle - 8 A.R.30 - 360° 2,4 m	25	3,10	
U107	570 5-T-pc 120° - 89-1485	25	3,60	U015	570 10-F-pc 360° - 89-1437	25	3,60	U120	570 TVAN nozzle - 10 A.R.30 - 360° 3,0 m	25	3,10	
U108	570 5-H-pc 180° - 89-1482	25	3,60	U023	570 10-SSH-pc 180° - 89-1521	25	3,60	U121	570 TVAN nozzle - 12 A.R.30 - 360° 3,7 m	25	3,10	
U109	570 5-TT-pc 240° - 89-1479	25	3,60	U007	570 12-Q-pc 90° - 89-1434	25	3,60	U122	570 TVAN nozzle - 15 A.R.30 - 360° 4,6 m	25	3,10	
U110	570 5-TQ-pc 270° - 89-1476	25	3,60	U008	570 12-T-pc 120° - 89-1431	25	3,60	U123	570 TVAN nozzle - 17 A.R.30 - 360° 5,2 m	25	3,10	
U111	570 5-F-pc 360° - 89-1473	25	3,60	U009	570 12-H-pc 180° - 89-1428	25	3,60					
U100	570 8-Q-pc 90° - 89-1470	25	3,60	U010	570 12-TT-pc 240° - 89-1425	25	3,60	U085*	Precision Spray M 90° - 53926	25	6,90	
U101	570 8-T-pc 120° - 89-1467	25	3,60	U011	570 12-TQ-pc 270° - 89-1422	25	3,60	U086*	Precision Spray M 180° - 53927	25	6,90	
U102	570 8-H-pc 180° - 89-1464	25	3,60	U012	570 12-F-pc 360° - 89-1419	25	3,60	U087*	Precision Spray M 360° - 53928	25	6,90	
U103	570 8-TT-pc 240° - 89-1461	25	3,60	U001	570 15-Q-pc 90° - 89-1416	25	3,60	U088*	Precision Spray F 90° - 53895	25	6,90	
U104	570 8-TQ-pc 270° - 89-1458	25	3,60	U002	570 15-T-pc 120° - 89-1413	25	3,60	U089*	Precision Spray F 180° - 53896	25	6,90	
U105	570 8-F-pc 360° - 89-1455	25	3,60	U003	570 15-H-pc 180° - 89-1410	25	3,60	U090*	Precision Spray F 360° - 53897	25	6,90	
U013	570 10-Q-pc 90° - 89-1452	25	3,60	U004	570 15-TT-pc 240° - 89-1407	25	3,60	U183	Precision Rotating M 360° - PRN-TF	20	17,20	
U080	570 10-T-pc 120° - 89-1449	25	3,60	U005	570 15-TQ-pc 270° - 89-1404	25	3,60	U182	Precision Rotating M 45°-270° - PRN-TA	20	17,20	
U014	570 10-H-pc 180° - 89-1446	25	3,60	U006	570 15-F-pc 360° - 89-1401	25	3,60	U187	Precision Rotating F 360° - PRN-F	20	17,20	
U081	570 10-TT-pc 240° - 89-1443	25	3,60					U186	Precision Rotating F 45°-270° - PRN-A	20	17,20	

*While stocks last

Price List



Toro >

> Medium and Large 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	17,70	
OID001	300 sprinkler series no nozzle and shutter system	7,0	¾"	25	41,90	
OID002	300 sprinkler series no nozzle and shutter system	30,0	¾"	1	101,40	
UXXX	01-02-03-63 OMNI nozzle*			1	12,00	
P001	90°-180°-270°-360° shutter system*			1	4,60	
OID607	TSP-RS sprinkler series	12,3	¾"	20	22,20	
OID611	T7 sprinkler series with 7 nozzles set**	14,6	1"	1	106,80	

*While placing the order, please specify model, angle, throw-range and thread - can be used for series super700 as well

**Can be ordered also version with stainless steel body and ring blocking screw as anti-vandal device/protection

Code	Description	€	
OID045	TS90 sprinkler with 9 nozzles set 1" female coupling	201,50	
OAC011	Stabilizer to be used with TS90 sprinklers placed outside the natural grass field	50,20	
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)	536,50	
OID054	690 sprinkler series - 90° - N.O. hydr. valve	1.192,00	
OID055	690 sprinkler series - 90° Check valve	1.204,00	
OID056	690 sprinkler series - 90° 24V electric valve	1.490,00	
OID057	690 sprinkler series - 180° N.O. hydr. valve	1.192,00	
OID058	690 sprinkler series - 180° Check valve	1.204,00	
OID059	690 sprinkler series - 180° 24V electric valve	1.490,00	
OID060	690 sprinkler series - 360° N.O. hydr. valve	1.096,60	
OID061	690 sprinkler series - 360° Check valve	1.096,60	
OID062	690 sprinkler series - 360° 24V electric valve	1.370,80	
FLX34-3537	360° kit nozzle series 35/37-23/28 cm	222,80	
FLX35-3537	Partial kit nozzle series 35/37-22/25 cm	297,10	
FLX30-46-1	Sprinkler body 1" 24V el. valve with solenoid	196,30	
FLX30-42	Sprinkler body 1" with Check or Matic Valve	180,40	
FLX54-5558	360° kit, nozzles series 55/58-22/29m	244,00	
FLX55-5558	Partial kit, nozzles series 55/58-22/27m	286,50	
FLX50-46-1	1½" sprinkler body, 24V el. valve with solenoid	233,40	
FLX50-41	1" sprinkler body with N.O. hydraulic valve	217,50	
OGR003	SC690 Toro sprinklers for sport areas N.O. hydraulic valve 1½" female thread	2.622,30	
OGR004	SC690 Toro sprinklers for sport areas 1½" female thread	2.813,00	

> Toro Flag

Code	Description	Color	Dimensioni cm	Height cm	Box	€/each	
OBA001	Sprinkler positioning flags	Red	10 x 12 cm	50	100	0,70	
OBA006	Sprinkler positioning flags	White	10 x 12 cm	50	100	0,70	
OBA007	Sprinkler positioning flags	Yellow	10 x 12 cm	50	100	0,70	



Price List

Toro >

> Programmiers

Code	Description	Stat.	€	
OPG015	EVO base indoor programmer, 4 sector expandable up to 16 stations	4	294,50	
OPG016	EVO base outdoor programmer, 4 sectors expandable up to 16 stations	4	327,90	
OPG018	EVO 4 sectors expansion module	4	82,30	
OPG017	EVO 12 sectors expansion module	12	280,20	
OPG555	TEMP-4 220V CA external transformer	4	111,40	
OPG556	TEMP-6 220V CA external transformer	6	125,30	
OPG557	TEMP-8 220V CA external transformer	8	158,10	
OPG558	TEMP-WF Wi-Fi module		107,20	
OPG590	TEMP-1-DC	1	128,00	
OPG591	TEMP-2-DC	2	159,20	
OPG592	TEMP-4-DC	4	181,00	
OPG593	TEMP-6-DC	6	212,20	
OPG560	TEMP-1-DC-L	1	159,20	
OPG561	TEMP-2-DC-L	2	223,60	
OPG562	TEMP-4-DC-L	4	234,00	
OPG563	TEMP-6-DC-L	6	265,20	
ORV251	Latch solenoid for 9V DC valves		40,60	

Code	Description	Stat.	€	
OPG082	TMC 424 DD programmer with 4 sectors TSM-4 module, expandable up to 24 stations for outdoors	4	590,10	
OPG073	Standard module	4	116,90	
OPG092	Over voltage high-resistance module	4	161,00	
OPG187	Over voltage high-resistance and flow sensor module	4	274,20	
OPG074	Standard module	8	232,50	
OPG093	Over voltage high-resistance module	8	316,00	
OPG188	Over voltage high-resistance and flow sensor module	8	411,30	

> Rain Sensors

Code	Description	€	
OSN009	Rain sensor with preinstalled cable L= 8 m	69,20	
OSN008	Rain sensor kit (transmitter/receiver)	238,50	
OSN012	Rain/ice sensor kit (transmitter/receiver)	327,90	
OSN011	Humidity sensor wireless kit and precision soil sensor control system	381,50	

Landscape

Price List



Toro >

> 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	53,70	
OVA042	EZ-FLO Plus Valves	24 V 50 Hz	1" M/M	No	6,8	10	34,70	
OVA043	EZ-FLO Plus Valves	24 V 50 Hz	1" M/M	Yes	6,8	10	45,40	
OVA044	EZ-FLO Plus Valves	24 V 50 Hz	1" F/F	No	6,8	20	34,70	
OVA045	EZ-FLO Plus Valves	24 V 50 Hz	1" F/F	Yes	6,8	20	45,40	
OVA048	EZ-FLO Plus Valves	Preinstalled latch solenoid DC	1" M/M	Yes	6,8	10	65,70	
OVA046	EZ-FLO Plus Valves	Preinstalled latch solenoid DC	1" F/F	Yes	6,8	20	65,70	
OVA091	TPV Valves	24 V 50 Hz	1" M/M	Yes	11,3	20	60,90	
OVA093	TPV Valves	24 V 50 Hz	1" F/F	Yes	11,3	20	60,90	
OVA095	TPV Valves	Preinstalled latch solenoid DC	1" M/M	Yes	11,3	20	79,90	
OVA097	TPV Valves	Preinstalled latch solenoid DC	1" F/F	Yes	11,3	20	100,20	
OVA070	P220 Valves	24 V 50 Hz	1" F/F	Yes	12,0	24	146,70	
OVA073	P220 Valves	24 V 50 Hz	1½" F/F	Yes	24,0	12	232,50	
OVA075	P220 Valves	24 V 50 Hz	2" F/F	Yes	36,0	4	351,70	
OVA078	P220 Valves	24 V 50 Hz	3" F/F	Yes	66,0	4	715,30	
OVA272	P220 Valves	Preinstalled latch solenoid DC	1" F/F	Yes	12,0	24	208,70	
OVA273	P220 Valves	Preinstalled latch solenoid DC	1½" F/F	Yes	24,0	12	316,00	
OVA274	P220 Valves	Preinstalled latch solenoid DC	2" F/F	Yes	36,0	4	453,10	
OVA275	P220 Valves	Preinstalled latch solenoid DC	3" F/F	Yes	66,0	4	906,00	

> Control and Pressure Measurement

Code	Description	Bar	€		Code	Description	Bar	€	
FRP550	Modular pressure reducer for outcoming pressure regulation (in valves P220 series)	0,3 ÷ 7	118,10		OAC070	Pressure detecting kit		226,60	

> Proline Programmiers Series



DESCRIPTION

Specifics

- Power supply: 230 V 50 Hz AC
- Outputs command: 24 V 50 Hz AC
- Protection degree: IP 65
- Rain sensor port
- Compatible with Aircad remote control communication system
- Expandable outputs (depending on the model)

Features

- Large LCD display
- Main functions knob
- "Soft-touch" keys for quick functions and parameters change
- 4 programs: A/B/C/D, sequential or simultaneous
- 8 start time per program
- Watering duration: 1 ÷ 595 min
- Irrigation cycles: weekly personalized, cyclic, even/odd days
- Water budget: can be set by program or month
- Irrigation delay 1 ÷ 99 ore
- Manual start

Code	Article	Location	Stations	Expandable	Box	€/each
OPG220*	E-PL800-ITA	Indoor	4	4 x SLM2	10	166,00
OPG221	E-PL1600-ITA	Outdoor	4	3 x SLM4 + 2 X SLM12	5	282,00

* While stocks last

> Smartline Programmers Series



DESCRIPTION

Specifics

- Power supply: 230 V 50 Hz AC
- Outputs command: 24 V 50 Hz AC
- Protection degree: IP 65
- 2 irrigation kinds: Standard or Smartline with weather station
- Rain sensor/meteo station port
- Compatible with Aircad remote control communication system
- Expandable outputs (depending on the model)

Features

- Large LCD display
- Main functions knob
- "Soft-touch" keys for quick functions and parameters change
- 4 programs: A/B/C/D, sequential or simultaneous
- 8 start time per program
- Watering duration: 1 ÷ 595 min
- Irrigation cycles: weekly personalized, cyclic, even/odd days
- Water budget: can be set by program or month
- Irrigation delay 1 ÷ 99 ore
- Manual start

Code	Article	Location	Stations	Expandable	Box	€/each
OPG190	E-SL800-ITA	Indoor	4	4 x SLM2	10	196,00
OPG191	E-SL1600-ITA	Outdoor	4	3 x SLM4 + 2 X SLM12	5	342,00

> Programmers Accessories

PROLINE AND SMARTLINE PROGRAMMERS MODULES

Code	Article	Stations	Programmer	Box	€/each	
OPG195	SLM2	+2	PL/SL 800	20	31,00	
OPG196	SLM4	+4	PL/SL 1600	20	61,00	
OPG198	SLM12-1600	+12	PL/SL 1600	10	284,00	

PROLINE AND SMARTLINE 1600/4800 TWO-WIRE MODULES

Code	Article	Description	St.	Progr.	€	
OPG340	SLM48DM	SmartWire module	48	1600/4800	1.469,00	
OPG341	SLDEC1	Decoder with line protection	1		201,00	
OPG342	SLDEC2	Decoder with line protection	2		342,00	
OPG343	SLDEC4	Decoder with line protection	4		499,00	
OPG351	SLGDT	Anti-lightning protection			149,00	

Note: decoder modules are complete with resin coated connectors

SMARTLINE AND PROLINE SENSORS

Code	Model	Description	€	
OSN015	420GLS	Rain sensor with 10,6 mt cable	47,00	
OSN017	RF55	Wireless rain/ice sensor	174,00	

METEO STATIONS FOR SMARTLINE

Code	Model	Description	Box	€/each	
OPG348	SLW1	Weather station with 10,6 mt cable	10	268,00	
OPG349*	SLW15	Wireless Weather station 2,4 GHz	10	576,00	

*While stocks last

Price List



Weathermatic >

FLOW SENSORS

Code	Article	Description	Ø	€	
FCA820	E-SLFSI-T10	PVC flow sensor	1"	729,00	
FCA821	E-SLFSI-T15	PVC flow sensor	1 1/2"	824,00	
FCA823*	SLFSI-S30	Bracket flow system	3"	1.336,00	
FCA824	SLFSI-S40	Bracket flow system	4"	1.392,00	

*While stocks last

ADDITIONAL SUBSCRIPTION

Code	Article	Description	€
SLPLAN1	SL-PLAN1	SmartLink 1 year subscription	REQ.
SLPLAN1F	SL-PLAN1F	SmartLink subscription + FLOW 1 year	REQ.

Code	Article	Description	€	
OPG345	E-SL-AIRCARD1	SmartLind Aircard with 1 year subscription included	1.378,00	
OPG352	E-SL-AIRCARDFLOW1F	SmartLind Aircard with 1 year subscription included + FLOW	1.378,00	

OPG225		Proline Aircard with 5 years Serviceplan included	1.720,00	
--------	--	---	----------	---

> 24V AC Electrovalves with Flowcontrol

NITRO SERIES

Code	Article	Ø	PN	Q _{max} m³/h	Box	€/each	
OVA019	N-100F-ISO-H	1"	10	8,5	20	28,00	

SILVER BULLET SERIES

Code	Article	Ø	PN	Q _{max} m³/h	Box	€/each	
OVA013	12024EF-10-ISO-H	1"	10	8,0	24	35,00	
OVA014	12024EF-15-ISO-H	1 1/2"	10	18,0	12	88,00	
OVA015	12024EF-20-ISO-H	2"	10	30,0	8	127,00	

BLACK BULLET SERIES

Code	Article	Ø	PN	Q _{max} m³/h	Box	€/each	
OVA022*	21024E-15D-ISO	1 1/2"	14	18,0	12	115,00	
OVA024	21024E-20D-ISO	2"	14	30,0	8	158,00	

*While stocks last

> Medium and Large Throw-Range Rotors

Code	Article	Description	Throw range mt		Box	€/each	
OID785	T1	T1 series 1/2"	4 ÷ 9	with 8 nozzles set	20	23,00	
OID800	T3	T3 series 3/4"	7 ÷ 19	T3 PART. Check-Valve 3/4" with 14 nozzles set	20	22,00	
OID801	T3-36	T3 series 3/4"	7 ÷ 19	T3 FULL Check-Valve 3/4" with 14 nozzles set	20	36,00	
OID806*	T3SS	T3 series 3/4"	7 ÷ 19	T3 PART. Check-Valve SS 3/4" with 14 nozzles set	20	78,00	
OID807*	T3SS-36	T3 series 3/4"	7 ÷ 19	T3 FULL Check-Valve SS 3/4" with 14 nozzles set	20	80,00	

cm 10,2
cm 19,4

OID846	CT70-ISO	CT70 series 1"	16 ÷ 22,5	CT70 PART. Check-Valve 1" with 5 nozzles set	20	74,00	
--------	----------	----------------	-----------	--	----	-------	---

cm 10,0
cm 22,4

*While stocks last

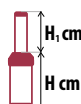
Note: 5 years guarantee

> Sprays

FIXED SPRINKLERS MAX SERIES WITHOUT NOZZLE

Code	Article	Height cm	Box	€/each	
OIS030	MAX4	10,2	50	3,50	
OIS031	MAX6	15,2	50	12,00	

Note: 5 years guarantee



Model	H	H ₁
MAX4	15,9	10
MAX6	21,6	15
MAX12	38,7	30

FIXED SPRINKLERS ACCESSORIES

Code	Article	Descr.	Box	€/each	
OIS059	MAX-EXT	6P extension for LX	100	2,90	
OIS060	MAXS	1/2" shrub adapter	25	2,20	

> Sprays Nozzles

Code	Article	Description	Box	€/each	
U445		Arc fixed nozzle by LX series and MAX 8F 360°	25	2,10	
U446		Arc fixed nozzle by LX series and MAX 8H 180°	25	2,10	
U448		Arc fixed nozzle by LX series and MAX 8Q 90°	25	2,10	
U449		Arc fixed nozzle by LX series and MAX 10F 360°	25	2,10	
U450		Arc fixed nozzle by LX series and MAX 10H 180°	25	2,10	
U451		Arc fixed nozzle by LX series and MAX 10T 120°	25	2,10	
U452		Arc fixed nozzle by LX series and MAX 10Q 90°	25	2,10	
U453		Arc fixed nozzle by LX series and MAX 12F 360°	25	2,10	
U454		Arc fixed nozzle by LX series and MAX 12H 180°	25	2,10	
U455		Arc fixed nozzle by LX series and MAX 12T 120°	25	2,10	
U456		Arc fixed nozzle by LX series and MAX 12Q 90°	25	2,10	
U457		Arc fixed nozzle by LX series and MAX 15F 360°	25	2,10	
U458		Arc fixed nozzle by LX series and MAX 15H 180°	25	2,10	
U460		Arc fixed nozzle by LX series and MAX 15Q 90°	25	2,10	
U461		Arc fixed nozzle by LX series and MAX Strip 15EST	25	2,10	
U462		Arc fixed nozzle by LX series and MAX Strip 15CST	25	2,10	
U463		Arc fixed nozzle by LX series and MAX Strip 15SST	25	2,10	
U464		Arc fixed nozzle by LX series and MAX Strip 9SST	25	2,10	
U465	E8A	Adjustable arc nozzle by LX series and MAX 8A 2,4 mt	25	2,10	
U466	E10A	Adjustable arc nozzle by LX series and MAX 10A 3,0 mt	25	2,10	
U467	E12A	Adjustable arc nozzle by LX series and MAX 12A 3,7 mt	25	2,10	
U468	E15A	Adjustable arc nozzle by LX series and MAX 15A 4,6 mt	25	2,10	
U469	E17A	Adjustable arc nozzle by LX series and MAX 17A 5,2 mt	25	2,10	
U470*	133	BUBBLER nozzles Adjustable bubbler with ring	10	3,50	
U471	102	BUBBLER nozzles Adjustable bubbler with screw	10	3,20	
U472*	106-50	BUBBLER nozzles Self-compensating bubbler 120 lt/h	10	9,00	
U473*	106-100	BUBBLER nozzles Self-compensating bubbler 240 lt/h	10	9,00	

*While stocks last

Price List



Galcon >

> 9000 Series Battery Programmmer



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"	78,30
OPG239	9001BT	smartphone bluetooth	3/4"	89,10

> 11000 Series Battery Programmmer



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 dayly starts

Bluetooth version

- Programming by irrigation days and watering duration, 4 dayly starts
- Parameters setting by APP

Code	Model	Programming	Ø valves	€
OPG214	11000L	digital	3/4"	81,00
OPG237	11000BT	smartphone bluetooth	3/4"	98,60

Simplified version

- Settable: interval and watering duration - delayed start

> 7100 Series Programmmer (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 dayly starts

Bluetooth version

- Parameters programming by APP

Code	Model	Programming	Ø valves	€
OPG217	7101D	digital	1"	156,60
OPG232	7101BT	smartphone bluetooth	1"	179,60

> YL-21055 Programmer



Code	Model	Ø valves	€
OPG500	YL21055	¾"	44,60

DESCRIPTION

- Single output tap controller

- Control unit power supply: 3V battery (2x1,5AA)
- Protection degree: IP65
- Built-in on/off valve

- Visualizing LCD display
- Selection key function
- Command keys
- Irrigation runtime: from 5 sec to 360 minutes

Application

Specifics

- Threading: ¾" M/M in/out
- Maximum working pressure: 6 bar
- Maximum flow-rate: 1.000 l/h

Features

- 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"	59,90

DESCRIPTION

- Double output tap controller

- Control unit power supply: 3V battery (2 x 1,5 AA)
- Protection degree: IP65
- Built-in on/off valve

- Visualizing LCD display
- Selection key function
- Command keys
- Irrigation runtime: from 5 sec to 360 minutes

Application

Specifics

- Threading: ¾" M/M in/out
- Maximum working pressure: 6 bar
- Maximum flow-rate: 1.000 l/h

Features

- 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	20,70	
OPG505	YL21106	Moisture sensor - 5 mt cable	31,30	

Price List



Perrot Regnerbau Calw >

> Irriwalker Self-Propelled Cart



DESCRIPTION

- Suitable for large green areas or sport areas

Application

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

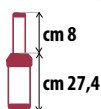
- Sector sprinkler allows to define the area to be irrigated
- Water flow can be adjusted for any application
- The precise sprinkler distribution and the constant

- 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	2.330,00

Landscape

> Hydra-2-XS Series Gear Drive Pop-up Sprinkler



DESCRIPTION

- Sport areas, golf courses

Application

Specifics

- Nozzle: 4 – 5 – 6 mm (4 mm standard)
- Nozzles: 1
- Working pressure: 3,0 ÷ 6,0 bar
- Throw-range: 13 ÷ 19 mt

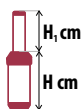
- Hourly flow-rate: 1,0 ÷ 3,2 m³/h
- Angle: 25°
- Coupling: 1" female - brass bush

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	205,00
OID721	hydraulic	sector	19,0	235,00

> Hydra-2-M Series Gear Drive Pop-up Sprinkler



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

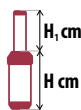
- Nozzle: 7 – 8 – 9 – 10 – 11 (10 mm standard)
- Nozzles: 3,4
- Working pressure: 4,0 ÷ 7,0 bar
- Throw-range: 20 ÷ 29 mt
- Hourly flow-rate: 4,2 ÷ 12,8 m³/h
- Angle: 25°
- Coupling: 1" ½ female - brass bush

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	405,00
OID725	hydraulic	sector	29	445,00
OID728	24V AC	full circle	29	489,00
OID729	24V AC	sector	29	524,00
OID726	hydraulic, sode cup	full circle	29	506,00
OID727	hydraulic, sode cup	sector	29	545,00
OID728S	24V AC for synthetic	full circle	29	624,00
OID729S	24V AC for synthetic	sector	29	662,00

> Triton-L Series Impact Pop-Up Sprinkler



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	525,00
OID030*	hydraulic	sector	38	616,00
OID032*	hydraulic, sode cup	full circle	38	869,00
OID028	24 V AC	sector	38	790,00
OID036	24 V AC, sode cup	full circle	38	1.091,00

*Available while stocks last

Price List



Perrot Regnerbau Calw >

> 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

- Synthetic sport areas

- Nozzle: 16 – 20 – 24 mm
- Working pressure: 4,0 ÷ 8,0 bar
- Throw-range: 34 ÷ 54 mt

Application

Specifics

- 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	2.498,00
OGR154	24V AC	sector	54,0	2.822,00
OGR154S	9 V latch	sector	54,0	3.332,00
OGR155	24V AC scout	sector	54,0	3.446,00

> P2-M Series Piston Drive Sprinkler



DESCRIPTION

- Nozzle: 9 nozzles available - 18 ÷ 34 mm
- Secondary nozzle: 7 mm
- Working pressure: 5,0 ÷ 8,0 bar

Specifics

- Hourly flow-rate: 30 ÷ 122 m³/h
- Coupling: 3" female

Features

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

Code	Model	Angle	Throw mt	€
AIR002	P2-M	25°	42 ÷ 69	1.712,00
AIR009	P2-M-var (dust reduction)	15° ÷ 47° adjustable	35 ÷ 61	2.890,00

> ZS-30 Series Impact Sprinkler



DESCRIPTION

- 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

Specifics

- 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

Code	Coverage	Throw _{max} mt	€
AIR107	full circle	16,3	61,60

Perrot Regnerbau Calw >

> ZB-22 Series Impact Sprinkler



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

Code	Coverage	Throw _{max} mt	€
AIR108	full circle	17,8	53,80
AIR119	full circle	17,8	58,30
AIR113	sector	17,8	79,60

> ZE-30 Series Impact Sprinkler



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

Code	Coverage	Throw _{max} mt	€
AIR102	full circle	21,8	76,20
AIR103	sector	21,8	114,50

> ZK-30 Series Impact Sprinkler



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

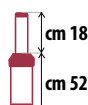
- Impact sprinkler for fruit farming and horticulture
- Sector sprinkler with command lever to be used full circle sprinkler
- Protection cap
- Radius adjustment screw

Code	Coverage	Throw _{max} mt	€
AIR120	full circle	27,5	102,00
AIR121	sector	27,5	175,00

Price List

Scarabelli > Sport Areas Irrigation

> Pop-Up Sprinkler Sportgun



Code	Body cm	€
AIR091	52	638,50

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

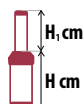


AIR093 AIR094

Flexy

Code	Body cm	€
AIR093	57	1.210,00
AIR094	68	2.385,00

Flexy		€
AIR105	57	515,00



Code	H	H ₁
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	3.310,00
OIR046	By piston with accessories	SR S404	40	130	5.300,00
OIR047	By turbine with accessories	SR 405	40	130	6.600,00
OIR048	By turbine with accessories	SR 505	50	170	8.650,00

> 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 WiFi connection and remote interface
- HUB architecture for creating a network of remotely manageable devices
- Communication of the single unit via BT in local mode or via radio in network mode
- Concentrator hub with communication via WiFi, Ethernet, 4G.
- Management via App for PC, tablet, smartphone
- Control of both DC and AC utilities
- Maximum covered distance 600 meters (repeaters 6 x 600 meters)
- Protection: IP 68

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
- 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)
- Wifi: 2,4 GHz/802,11 bgn
- Bluetooth: 4,1

Features

- Unlimited number of Samcla Infinite units that can be connected per HUB
- Unlimited number of connectable sensors per HUB
- Secure communication
- Internal clock regulated by the internet connection
- RF functionality guaranteed even in the absence of internet connection
- The sensors are automatically reloaded on the Samcla platform when the connection is restored

Code	HUB Model	€
OPG530	HUB no limited	REQ.
OPG531	HUB lite 12 device	REQ.
OPG532	Router 10 years	REQ.

> 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
- Master valve

Code	Outputs	€
OPG535	1 st 9 V DCL	REQ.
OPG536	2 st 9 V DCL	REQ.
OPG537	4 st 9 V DCL	REQ.
OPG538	6 st 9 V DCL	REQ.

Price List



SAMCLA

NEW

Samcla >

> SBP Unit 220 V AC



Code	Outputs	€
OPG540	4 st 24 V AC	REQ.
OPG541	8 st 24 V AC	REQ.
OPG542	12 st 24 V AC	REQ.

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

> REP Unit



Code	Description	€
OPG533	Repeater	REQ.

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

> SBP 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	REQ.

> SBP Unit Command Relay



DESCRIPTION

Application

- SBS unit - control relay unit 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

- 1 dry command contact
- Programmable recovery time
- Integrated antenna
- Two-way communication
- Ultra low sleep mode power consumption - this allows devices to be stored for a long time

Codice	Descrizione	€
OPG543	Command relay	REQ.

> SmartPro Remote Control



DESCRIPTION

Application

- Residential areas, agriculture and municipalities or where a remote control irrigation system is required or where managing multiple systems in an integrated mode is necessary

Specifics

- Communication between units by radio interface
- Communication by GPRS interface to internet
- Users command both in DC and AC
- Maximum covered distance: 900 mt (repetears 3 x 900 mt)
- Protection: IP66

Features

- Plug and play device installation
- Wide range of control units and detecting devices
- Unlimited number of connectable units to a single Hub
- Available app for Android and Apple
- Bidirectional communications
- Available wall box for Samclabox 2, 3, 5, 7

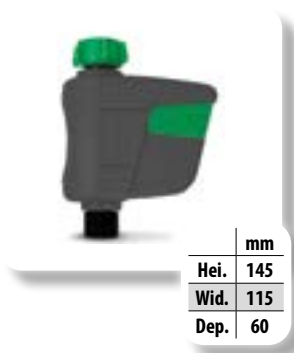
Code	Description	Specifics	€	
OPG435	HUB CONCENTRATOR Wi-Fi/Rf	230V AC power supply GPRS connection	REQ.	
OPG437	B radio repeater	Solar panel power supply External antenna	REQ.	
OPG438	SamclaBox 1 station	9V DC power supply Output: 9 V DC 2 wires latch	REQ.	
OPG439	SamclaBox 2 stations	9V DC power supply Output: 9 V DC 2 wires latch	REQ.	
OPG440	SamclaBox 4 stations	9V DC power supply Output: 9 V DC 2 wires latch	REQ.	
OPG441	SamclaBox 4 + 1 stations AC	230V AC power supply Output: 24 V AC	REQ.	
OPG442	SamclaBox RELE	9V DC power supply Output: 24 V relay command	REQ.	
OPG443	SamclaBox Volume	9V DC power supply Input: EV contact	REQ.	
OPG436	Meteo station	9V DC power supply External antenna	REQ.	
OPG432	SamclaPro management software - WEB010		REQ.	
OPG434	Hub annual subscription - CON020		REQ.	
OPG444	Sprinter - on field SamclaPro management console		REQ.	

Price List



Solem > Tap Timer

> BL-NR - 9 V Bluetooth



	mm
Hei.	145
Wid.	115
Dep.	60



DESCRIPTION	
- Bluetooth irrigation programmer - Terraces, small yard, garden or fogging systems	Application Managing by smartphone or tablet (iOs/Android)
- Bluetooth communication by MySolem App - Protection degree: IP64 9V DC latch one output model - Power supply: 9V DC battery (Type 6LR61)	Specifics - Coupling: in - female/out - BSP 3/4" male - Working pressure 1 ÷ 6 bar - Flow-rate: 32 l/h ÷ 38 l/m - Maximum temperature: 50 °C
1 program with 8 daily starts - Station runtime: 1 minute ÷ 12 hours - Calendar: weekly personalized, odd/even days, odd 31, periodical: 31gg	Features - Fogging: 5 sec ÷ 24 hours - Starts interval: 30 sec ÷ 31 days - Fogging runtime: 4 max per day - Manual control

Code	Description	Model	Box	€/each
OPG604	Timer BL-NR 3/4"	BL-NR1	20	90,20

Landscape

Solem > BT Programmer with Display

> BT-WB - 9 V Bluetooth



	mm
Hei.	155
Wid.	110
Dep.	65



DESCRIPTION	
- Bluetooth irrigation programmer - Terraces, small yard, garden or fogging systems	Application Managing by smartphone or tablet (iOs/Android)
- Bluetooth communication by MySolem App - Protection degree: IP68 - Model: 1, 2, 4, 8 outputs, 9V DC latch	Specifics - Power supply: 9V DC battery (Type 6LR61) - Prepared for connection to volumetric meter or rain sensor
12 programs with 8 daily starts - Station runtime: 1 minute ÷ 12 hours - Calendar: weekly personalized, odd/even days, odd 31, periodical: 31 gg	Features - Manual control - Solenoid max distance: 30 mt

Code	Description	Stations	€/each
OPG725	Bluetooth Programmer IP68 Woo-Bee 9V - WB1	1	138,60
OPG726	Bluetooth Programmer IP68 Woo-Bee 9V - WB2	2	215,60
OPG727	Bluetooth Programmer IP68 Woo-Bee 9V - WB4	4	234,30
OPG728	Bluetooth Programmer IP68 Woo-Bee 9V - WB6	6	264,00

Solem > 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	119,90
OPG056	BL-IP 2 sectors 9V	BL-IP2	6	159,50
OPG057	BL-IP 4 sectors 9V	BL-IP4	6	184,80
OPG058	BL-IP 6 sectors 9V	BL-IP6	6	211,20

DESCRIPTION

Application

- Bluetooth irrigation programmer
- Private and public gardens, sport fields
- Managing 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 9V	BL-AG1	6	197,50
OPG148	BL-AG1 2 sectors 9V	BL-AG2	6	227,50
OPG149	BL-AG1 4 sectors 9V	BL-AG4	6	257,50

DESCRIPTION

Application

- Bluetooth irrigation programmer
- Private and public gardens, sport fields
- Managing 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

> SMART-IS - 230 V Wi-Fi Bluetooth



	mm
Hei.	145
Wid.	110 - 160
Dep.	42



Code	Description	Model	Box	€/each
OPG700	SMART-IS 2 sectors 24V	SMART-IS2	6	187,00
OPG701	SMART-IS 4 sectors 24V	SMART-IS4	6	213,40
OPG702	SMART-IS 6 sectors 24V	SMART-IS6	6	226,60
OPG703	SMART-IS 9 sectors 24V	SMART-IS9	6	294,80
OPG704	SMART-IS 12 sectors 24V	SMART-IS12	6	322,30

DESCRIPTION

Application

- Bluetooth irrigation programmer
- Private and public gardens, sport fields
- Automatic change of irrigation runtimes
- according to detected meteo figures
- Managing by smartphone or tablet (iOS/Android)

Specifics

- Bluetooth communication by MySolem App
- Protection degree: IP68
- Model: 2, 4, 6, 9 and 12 outputs, 24V AC
- 24V AC master valve or pump relay output
- Rain sensor or water meter connection
- Power supply: 230/24V AC external transformer

Features

- 12 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

Price List

Solem > Interfaces

> LR-MB LoRa 230 V



	mm
Hei.	82
Wid.	80
Dep.	13

Without antenna



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

Code	Description	Model	Box	€/each
OPG731	LoRa router + Wi-Fi - 230 V 10 modules	LR-MB-10	1	258,50
OPG730	LoRa router + Wi-Fi - 230 V 30 modules	LR-MB-30	1	345,40
OPG717	5 m antenna extension	LR-EXT-5MT	1	266,20
OPG718	10 m antenna extension	LR-EXT-10MT	1	218,90

> LR-BST-25 LoRa - 3G



	mm
Hei.	307
Ø	115



DESCRIPTION

Application

- LoRa management interface for programmers and modules
- Management network creation up to 25 units with programmers and modules
- 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

Code	Description	Model	Box	€/each
OPG707	LR-MB Bluetooth - LoRa 3g 25 MOD	LR-BST-25	1	1.085,70
OPG723	Solar panel 20 W 12 V	SOL-PACK-20	1	476,30

SIM subscriptions				€/each
SOLEM-PL1	SIM 1 year - 10 daily connections	SIM-1Y-50M	1	201,30
SOLEM-PL2	SIM 1 year - 24 daily connections	SIM-1Y-100M	1	407,00
SOLEM-PL3	SIM 3 years - 2 daily connections	SIM-3Y-5M	1	269,50

Solem > LoRa Programmiers

> LR-IP - 9 V DC Latch Wi-Fi LoRa Bluetooth



	mm
Hei.	55
Wid.	140
Dep.	90



DESCRIPTION

Application

- Bluetooth irrigation programmer
- Private and public gardens, sport fields

- Managing 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

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

Code	Description	Model	Box	€/each
OPG143	LR-IP 1 sector 9 V	LR-IP1	6	213,40
OPG144	LR-IP 2 sectors 9 V	LR-IP2	6	254,10
OPG145	LR-IP 4 sectors 9 V	LR-IP4	6	280,50
OPG146	LR-IP 6 sectors 9 V	LR-IP6	6	294,80

Price List



Solem > Modules

> LR-FL-1 9 V Meter Counter



	mm
Hei.	55
Wid.	140
Dep.	90



DESCRIPTION

Application

- Module for meter counter reading

- Managing by smartphone or tablet (iOs/Android)

Specifics

- Bluetooth local communication or remote by LoRa radio communication
- Programming by MySolem app

- IP68 protection degree
- 1 input model
- 9V battery power supply

Features

- Settable minimum and maximum threshold
- High flow Alarm (via sms or e-mail)

- System stop when in alarm can be set by user
- Maximum distance: 100 mt

Code	Description	Model	Box	€/each
OPG705	Flow meter module - 1 input	LR-FL-1	1	207,90

> LR-MS - 4 Sensors 9 V DC Latch



	mm
Hei.	55
Wid.	140
Dep.	90



DESCRIPTION

Application

- Reading module (digital/analog sensors)

- Managing 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

- proportional voltage 0V-3,5V
- 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

Code	Description	Model	Box	€/each
OPG706	Sensors reading module - 4 inputs	LR-MS-4	1	289,30

> 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	222,20

> SENS-TEMP Temperature Sensor



DESCRIPTION				
			Application	
• Soil temperature detecting				
			Specifics	
• Compatible with LR-MS4 module				
			Features	
• 2 mt connection cable included				
Code	Description	Modello	Box	€/each
OPG721	Soil temperature sensor	Sens-temp	1	84,70

> 9 V relay



DESCRIPTION				
			Application	
• Pumps command				
			Specifics	
• Compatible with 9V DC powered modules				
			Features	
• 9V relays for contactor interface			• IP65 box	
Code	Description	Model	Box	€/each
OPG720	9V pump command relay	9 V relay	1	161,70

Price List

Scarabelli > Irrigation

> 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	27,00
OTG033	PVC 3 layers standard hose	15 (5/8")	25	44,00
OTG034	PVC 3 layers standard hose	15 (5/8")	50	86,00
OTG036	PVC 3 layers standard hose	19 (3/4")	50	129,00
OTG038	PVC 3 layers standard hose	25 (1")	50	215,00

> Long Term Hose



Code	Description	Hose Ø mm	Hose mt	€ _{coil}
OTG053	PVC 5 layers long term hose	15 (5/8")	15	45,00
OTG054	PVC 5 layers long term hose	15 (5/8")	25	70,00
OTG055	PVC 5 layers long term hose	15 (5/8")	50	137,00
OTG057	PVC 5 layers long term hose	19 (3/4")	50	190,00
OTG059	PVC 5 layers long term hose	25 (1")	50	295,00

> Metal Emitters



Code	Description	Ø mm	Material	€	
OPI002	Emitters without fitting		Alluminium	41,00	
OPI003	Comfort emitters with 7 functions		Metal	34,00	
FPS001	Male threaded quick coupling	3/4"	Brass	4,90	
FPS002	Hose fitting	16/19	Brass	15,00	

> 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	89,25

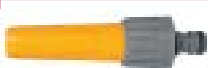
> Extensible Hose

Code	Description	€	
OTG001	Extensible hose SUPERHOZE 7,5 mt with connectors	44,00	
OTG002	Extensible hose SUPERHOZE 15 mt with connectors	63,00	
OTG003	Extensible hose SUPERHOZE 30 mt with connectors	89,00	
OTG004	Extensible hose SUPERHOZE 40 mt with connectors	109,00	

> Hose Reels and Carts

Code	Description	€	
OAV005	Autoreel automatic wall hose reel 20 mt	203,00	
OAV006	Autoreel automatic wall hose reel 30 mt	306,00	
OAV007	Hose reel cart (20 mt Ø 12,5)	85,00	
OAV008	Hose reel cart (50 mt Ø 15)	65,00	
OAV009	Metal hose reel cart (75 mt Ø 15)	175,00	

> Hose Connectors And Accessories

Code	Description	€	
OGA001	Ø ¾" e Ø ½" fitting	4,20	
OGA003	Outdoor tap 1"Ø connector	3,50	
OGA004	3 ways basic tap connector	21,00	
OGA005	2 way tap connector	35,00	
OGA006	Soft Grip quick coupling (Ø 12,5 mm and Ø 15 mm)	4,50	
OGA007	Soft Grip quick coupling (Ø 19 mm)	5,60	
OGA008	Aquastop Soft Grip coupling (Ø 12,5 mm and Ø 15 mm)	5,80	
OGA009	Aquastop Soft Grip coupling (Ø 19 mm)	6,70	
OGA010	Y connector - loose	6,40	
OGA011	Hose reparative coupling (Ø 12,5 mm and Ø 15 mm)	4,30	
OGA012	Hose reparative coupling (Ø 19 mm)	5,30	
OGA013	Adjustable hose nozzle	6,80	
OGA015	Gun Jet Spray Plus	27,00	
OGA016	Gun "Multi Spray"	20,50	
OGA017*	Ultra Twist	37,95	

*While stocks last

Price List

Scarabelli >

> Sprinklers Accessories

Code	Description	Color	Box	€/each	
OBA015	Scarabelli flag cm 10 x 12	White	100	0,47	
OBA016	Scarabelli flag cm 10 x 12	Silver	100	0,47	
OBA017	Scarabelli flag cm 10 x 12	Yellow	100	0,47	

Code	Description	Couplings	Box	€/each	
OAC100	PFE extension	3/4" M x 1/2" - 3/4" M	40	3,43	
OAC013	Cut-off fitting (15 cm)	1/2" M x 1/2" - 3/4" M	25	0,85	
OAC006	Cut-off fitting (15 cm)	3/4" M x 3/4" M	25	1,38	
SOAC026	Straight fitting	16/17 x 1/2" M	1	0,31	
SOAC027	Straight fitting	16/17 x 3/4" M	1	0,31	
SOAC024	90° M elbow	16/17 x 1/2" M	1	0,31	
SOAC025	90° M elbow	16/17 x 3/4" M	1	0,31	

Code	Description	Ø mm	Box	€/each	
RPS980	Bracket with easy pipe straight output	25	10	4,82	
RPS981	Bracket with easy pipe straight output	32	10	4,90	
RPS990	Bracket with easy pipe elbow output	25	10	4,82	
RPS991	Bracket with easy pipe elbow output	32	10	4,90	
RPS994	Bracket	25 x 1/2"	10	4,37	
RPS993	Bracket	25 x 3/4"	10	4,37	
RPS995	Bracket	32 x 1/2"	10	4,44	
RPS996	Bracket	32 x 3/4"	10	4,44	
SOAC100	Elbow	1/2" M x 16	10	0,45	
SOAC101	Straight fitting adapter	1/2" M x 16	10	0,45	
SOAC102	Elbow	3/4" M x 16	10	0,45	
SOAC103	Straight fitting adapter	3/4" M x 16	10	0,45	

> Sprinklers Accessories

Code	Description	Ø	Size cm	€	
ACL005	F threaded column riser with fixed tips	1/2"	H 50-70	25,20	
ACL003	F threaded column riser with fixed tips	3/4"	H 50-70	29,00	
ACL004	M threaded column riser with adjustable tips	1"	H 100	52,00	
OST049	F threaded riser	1"		49,00	

> Various Accessories

Code	Description	Height cm	Couplings	€	
OCL020	Green painted column in aluminium with tap	130	1/2" 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.
1/2"	FAR002	10	5,70	1/2"	FAR012	10	5,52	DN13	FAR021	10	5,93	3/4"	FAR041	10	7,37	FAR031	10	5,24
3/4"	FAR003	10	5,52	3/4"	FAR013	10	5,24	DN15	FAR022	10	5,42							
1"	FAR004	10	5,98	1"	FAR014	10	5,67	DN18	FAR029	10	6,07							
1 1/4"	FAR005	10	8,99	1 1/4"	FAR015	10	8,25	DN20	FAR023	10	5,93							
1 1/2"	FAR006	10	9,69	1 1/2"	FAR016	10	9,46	DN25	FAR026	10	6,58							
								DN32	FAR027	10	9,04							
								DN38	FAR028	10	13,77							

Code	Description	Box	€/ea.
FGN001	Quick coupling seal	100	0,79

Price List

Scarabelli >

> Hydrants and Clapet Valves

Code	Description	Ø	Coupling	Box	€/each	
FIP001	Demountable threaded hydrant*	¾"	M	5	17,70	
FIP002	Demountable threaded hydrant*	1"	M	5	17,70	
FCH010	Hydrant key	¾"		5	7,30	

*Purple cap for waste water on request

Code	Description	Ø	Coupling	€	
OAC130	Swing checkhose hydrant SV ¾"	¾"	F	27,00	
OAC131	Swing checkhose hydrant SV 1"	1"	F	50,00	
OAC134	Swing checkhose hydrant SV 1½"	1½"	F	125,00	
OCH010	SV and BT key ¾"	¾"	F/M	13,00	
OCH011	SV key 1"	1"	F/M	22,00	
OCH014	SV key 1½"	1½"	F/M	77,76	
OAC127	Hydrant valve BT lock cap	¾"	F	28,08	
OAC128	Hydrant valve BT lock cap	1"	F	54,00	
OAC135	Hydrant valve BT	1"	F	48,00	
OCH017	BT key	1"		22,00	
OCH020	Cap closing key BT lock			8,00	
OAC132	Pivoting elbow to be placed on the key	¾"	F	17,00	
OAC133	Pivoting elbow to be placed on the key	1"	F	23,00	
OAC136	Pivoting elbow to be placed on the key	1½"	F	68,00	

*While stocks last

> Swivel Valves

Code	Description	Ø	€	
FVB002	F/F PN16	1"	13,60	
FVB005	M/F PN16	¾"	10,60	
FVB006	M/F PN16	1"	13,60	
FVB007	M/F PN16	1½"	47,00	
FVB008	M/F PN16	2"	56,70	

Code	Description	N. valves	B.	€/each	
FVB009	Ø 1" manifold with swivel ball valves	1	10	15,90	
FVB010	Ø 1" manifold with swivel ball valves	2	40	32,80	
FVB011	Ø 1" manifold with swivel ball valves	3	20	49,10	
FVB012	Ø 1" manifold with swivel ball valves	4	10	65,30	

> PVC and PP Swivel Fittings

Code	Description	Ø	Coupling	Box	€/each	
SRTF001	PP black Tee	1"	F/F/M	1	3,80	
SRTF010	PP black Tee	1½"	F/F/M	1	11,20	
SRTF011	PP black Tee	2"	F/F/M	1	15,80	
SRCR001	PP black cross	1"	F/F/F/M	1	5,00	
SRG0004	PP black elbow	1"	M/F	1	2,50	
SRG0005	PP black elbow	1½"	M/F	1	8,70	
SRG0006	PP black elbow	2"	M/F	1	11,80	
SRG0001	PP black elbow	1"	F/F	1	3,20	
SRG0002	PP black elbow	1½"	F/F	1	11,30	
SRG0003	PP black elbow	2"	F/F	1	15,80	
SRMF003	PP black coupling	1"	F/F	1	3,20	
SRMF004	PP black coupling	1"	M/F	1	2,20	
SRMF005	PP black coupling	1½"	M/F	1	7,60	
SRMF006	PP black coupling	2"	M/F	1	10,30	
SRNP002	PP reduced nipple with o-ring	1" x ¾"	M	1	1,30	
SRNP003	PP nipple with o-ring	1"	M	1	1,30	
SRNP004	PP nipple with o-ring	1½"	M	1	1,80	
SRNP005	PP nipple with o-ring	2"	M	1	2,60	
SRTF002	2 outputs PP black manifold	1"	F	5	8,10	
SRTF003	3 outputs PP black manifold	1"	F	5	11,70	
SRTF004	4 outputs PP black manifold	1"	F	5	15,20	

Price List

Scarabelli >

>Dura Series Swivel Fittings

Code	Description	Ø	Coupling	Box	€/each	
OAC050	Tee	1"	F/F/M	25	10,20	
OAC054	Cross	1"	F/F/F/M	15	13,50	
OAC051	Elbow	1"	M/F	25	8,70	
OAC053	Elbow	1"	F/F	25	9,60	
OAC052	Sleeve	1"	F/F	50	7,20	
OAC055	Cap	1"	F	25	2,30	
OAC056	Nipple	1"	M/M	25	2,40	
OAC057	Reduced nipple	1" x ¾"	M/M	25	2,65	
OAC062	2 outputs swivel manifold	1"	F/F/F/M	1	19,90	
OAC061	3 outputs swivel manifold	1"	F/F/F/F/M	1	29,80	
OAC060	4 outputs swivel manifold	1"	F/F/F/F/F/M	1	39,60	
OAC058	Union	1"	M/F	25	6,50	

> Dura Series Coupling

Code	Description	Couplings	Leng. cm	€	
OAC035	Vandal-proof coup.	½"		31,10	
OAC036	Vandal-proof coup.	¾"		47,50	
OAC085	Vandal-proof coup.	1"		87,00	
OAC042	Flexible straight coup.	½"M x elb. ½"M	45	11,90	
OAC041	Flexible straight coup.	½"M x elb. ¾"M	45	11,80	
OAC040	Flexible straight coup.	¾"M x elb. ¾"M	45	11,80	
OAC096	4 pieces coupling	1"	30	73,00	
OAC098	4 pieces coupling	1"	45	81,00	
OAC097	4 pieces coupling	1"½	30	117,30	
OAC038	4 pieces coupling	1"½	45	125,00	

> Fittings and Blu-Flex Hose Scarabelli



DESCRIPTION

Application

- Quick coupling for sprinklers installation

Specifics

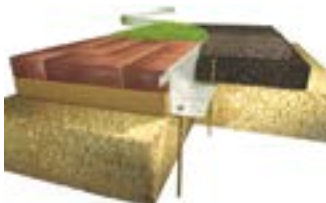
- Blu-lock is a fitting system to connect sprinklers to the main ducts (by saddle) allowing to save time
- The system consists in a peculiar plug-in fitting, with metal ring seal, which does not require locking and leave fittings and sprinklers free to rotate around the hose
- Coupling is easy to remove 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)	42,00	
OAC101	Blu - Lock elbow	1/2"M	25	1,38	
OAC102	Blu - Lock elbow	3/4"M	25	1,38	
OAC103	Blu - Lock adapter	1/2"M	25	1,38	
OAC104	Blu - Lock adapter	3/4"M	25	1,38	
OAC105	Blu - Lock coupling		25	1,67	

> Aluminium Curb

Code	Description	Color	Size mt	Box	€	
OKTLE003	Aluminium curb - 3 mm thickness	Natural aluminum	10,2 cm x 2,44	14	46,70	
OKTLE004	Aluminium curb - 3 mm thickness	Brown	10,2 cm x 2,44	14	56,70	
OKTLE005	Aluminium curb - 3 mm thickness	Green	10,2 cm x 2,44	14	56,70	
OKTLE006	Aluminium curb - 3 mm thickness	Black	10,2 cm x 2,44	14	56,70	
OKTLE008	Reinforced aluminium curb, 4,5 mm thickness	Natural aluminum	14,0 cm x 2,44	10	89,50	

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	42,90	
OKTLE013	Stable Edge aluminium curb - 5 mm thickness	53,64	2,438	3,8	20	49,00	
OKTLE014	Stable Edge aluminium curb - 5 mm thickness	46,32	2,438	5,0	20	49,50	
OKTLE015	Stable Edge aluminium curb - 5 mm thickness	41,45	2,438	6,4	20	56,70	
OKTLE016	Stable Edge aluminium curb - 5 mm thickness	31,69	2,438	7,5	15	73,10	
OKTLE017	Stable Edge aluminium curb - 5 mm thickness	24,38	2,438	10,0	10	87,00	
OKTLE018	Pegs		0,255	25,0	1/250	2,00	

Price List

Scarabelli >

> Practicable Grating for Decking

Code	Description	Color	Dimens. m ²	Box	€/each	
GCR001	Grating	Green*	1	3	31,67	
ABS001	Locking ring upper side	Green*	1	1	1,32	
ABI001	Locking ring lower side	Green*	1	1	1,32	
TGS001	Sign cap upper side	White**	1	1	1,32	
TGI001	Sign cap lower side	White**	1	1	1,32	

*Colours available on request: grey and beige **Colours available on request: grey and blue

Scarabelli > 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	1.721,00	
OKT024	Splash Series	Three-phase	0,5	2.000	1.721,00	
OKT028	Splash Series	Single-phase	1,0	3.200	1.926,00	
OKT025	Splash Series	Three-phase	1,0	3.200	1.926,00	
OKT040	Splash Series	Single-phase	1,5	3.100	2.039,00	
OKT045	Splash Series	Three-phase	1,5	3.100	2.039,00	
OKT070	Closed Splash protection				535,00	
OKT071	Open Splash protection				535,00	

Code	Type	Supply	Hp	€	
OKT263	Sprint series	Single-phase	1,5	2.333,00	
OKT265	Sprint series	Three-phase	1,5	2.333,00	

Note: for fish-farming and fishing other models available

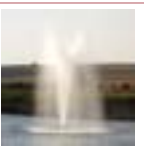


Price List

Scarabelli > Oxygenators

> Surface Oxygenators Otterbine Series

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	861,00	
OKT7955	Sunburst (only 5 HP)	Ventilation	5 Hp	3,2	11,6	237,3	18-0081-50	1.406,00	
OKT796	Gemini	Ventilation	1 ÷ 3 Hp	2 ÷ 3,5	4 ÷ 6,9	119,7 ÷ 172,6	18-0039-50	651,00	
OKT7965	Gemini (only 5 HP)	Ventilation	5 Hp	4,4	9,5	242,7	18-0082-50	1.332,00	
OKT797	Saturn	Ventilation	1 ÷ 3 Hp	0,5 ÷ 1,4	2,1 ÷ 6,1	86,3 ÷ 125,1	18-0040-50	762,00	
OKT7975	Saturn (only 5 HP)	Ventilation	5 Hp	1,5	7	178	18-0083-50	1.289,00	
OKT798	Phoenix	Decorative	1 Hp	H 3,0 - L 1,2	H 0,6 - L 5,5	32,4	18-0041-50	3.136,00	
			2 Hp	H 4,0 - L 1,8	H 0,6 - L 6,4	45,3			
			3 Hp	H 4,2 - L 2	H 0,9 - L 7,2	59,3			
			5 Hp	H 4,2 - L 2	H 0,9 - L 7,2	59,3			
OKT799	Rocket	Decorative	1 Hp	3,8 ÷ 4,4	1,5	23,7	18-0042-50	2.378,00	
			2 Hp	4,9 ÷ 5,5	1,5	33,4			
			3 Hp	5,6 ÷ 6,2	2,4	43,2			
			5 Hp	5,6 ÷ 6,2	2,4	43,2			
OKT800	Tri-star	Decorative	1 Hp	H 3,0 - M 1,8 - L 0,9	H 0,6 M 2,7 L 4,0	32,4	18-0043-50	3.204,00	
			2 Hp	H 4,0 - M 2,4 - L 1,2	H 0,6 M 3,0 L 5,2	45,3			
			3 Hp	H 4,6 - M 3,2 - L 2,0	H 0,9 M 3,8 L 6,1	59,3			
			5 Hp	H 4,6 - M 3,2 - L 2,0	H 0,9 M 3,8 L 6,1	59,3			
OKT801	Comet	Decorative	1 Hp	2,8 ÷ 3,4	1,5	28,0	18-0044-50	2.728,00	
			2 Hp	4,4 ÷ 5,0	1,5	39,9			
			3 Hp	5,2 ÷ 6,8	2,4	51,8			
			5 Hp	5,2 ÷ 6,8	2,4	51,8			
OKT802	Genesis	Decorative	1 Hp	H 2,1 - L 1,2	H 3,0 - L 7,6	32,4	18-0045-50	3.380,00	
			2 Hp	H 3,4 - L 1,5	H 4,0 - L 10,7	45,3			
			3 Hp	H 4,2 - L 1,7	H 5,0 - L 13,7	59,3			
			5 Hp	H 4,2 - L 1,7	H 5,0 - L 13,7	59,3			
OKT803	Constellation	Decorative	1 Hp	H 1,2 - L 0,6	H 2,7 - L 5,4	32,4	18-0046-50	3.416,00	
			2 Hp	H 1,8 - L 0,6	H 3,7 - L 7,6	45,3			
			3 Hp	H 2,4 - L 0,9	H 4,6 - L 9,6	59,3			
			5 Hp	H 2,4 - L 0,9	H 4,6 - L 9,6	59,3			

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	4.303,00
OKT791	HP 1 - 230 V	01-0111-215	8.750,00
OKT792	HP 2 - 230 V	01-0112-215	10.220,00
OKT793	HP 3 - 380 V	01-0113-335	12.488,00
OKT794	HP 5 - 380 V	01-0115-335	14.324,00

LIGHTNING KIT

Code	Description	Mod.	€
OKT804	4 headlights 300 W 12 V with 4 mt cable	GL03	3.019,00

Note: for price settlement please specify diffuser model and add the specific engine cost

Price List

Scarabelli > Cooling and Humidification

> Cooling and Agriculture Fogging Systems

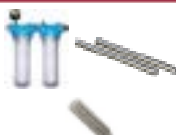
> High Pressure Pumps

Code	Description	No. of nozzles Ø 20 mm	l/m	Watt	€	
ONF502	Premium pump 70 bar	4 ÷ 7	0,6	440	1.656,00	
ONF503	Premium pump 70 bar	8 ÷ 12	1,0	550	1.656,00	
ONF504	Premium pump 70 bar	15 ÷ 25	2,0	680	1.656,00	
ONF505	Premium pump 70 bar	30 ÷ 40	3,0	815	1.656,00	
ONF506	Premium pump 70 bar	40 ÷ 50	4,0	900	1.656,00	
ONF507	Premium pump 70 bar	50 ÷ 75	6,0	1.250	1.656,00	

Note: other models with different performances available on request

> Fogging Kit

Code	Description	Nozzles number	€	
ONF578	Polyamide line kit (includes filter, hose, nozzles and fittings)	10	975,00	
ONF579	Polyamide line kit (includes filter, hose, nozzles and fittings)	20	1.476,00	
ONF580	Polyamide line kit (includes filter, hose, nozzles and fittings)	30	1.974,00	
ONF581	Polyamide line kit (includes filter, hose, nozzles and fittings)	50	2.971,00	
ONF582	Polyamide line kit (includes filter, hose, nozzles and fittings)	70	3.968,00	

Code	Description	Nozzles number	€	
ONF561	Stainless steel line kit (includes filter, hose and fittings)	10	1.114,00	
ONF562	Stainless steel line kit (includes filter, hose and fittings)	20	1.719,00	
ONF563	Stainless steel line kit (includes filter, hose and fittings)	30	2.323,00	
ONF564	Stainless steel line kit (includes filter, hose and fittings)	50	3.537,00	
ONF565	Stainless steel line kit (includes filter, hose and fittings)	70	4.748,00	

Code	Description	Nozzles number	N. fans	€	
ONF588	Wind Premium kit (includes filter, hose, fans and fittings)	8	2	1.700,00	
ONF589	Wind Premium kit (includes filter, hose, fans and fittings)	16	4	3.120,00	
ONF590	Wind Premium kit (includes filter, hose, fans and fittings)	24	6	4.523,00	
ONF591	Wind Premium kit (includes filter, hose, fans and fittings)	32	8	5.929,00	
ONF592	Wind Premium kit (includes filter, hose, fans and fittings)	40	10	7.333,00	

> Accessories and Spare Parts

Code	Description	€	
ONF232	Anti-lime - 1 liter bottle - other chemical products on request	30,70	
ONF313	20" 1 micron filter cartridge - other diameters and micron available	28,90	
ONF317	Economy filter kit with accessories - 1x 5" ½ - 5 micron IN ¾F - OUT 10 mm - 9" and 20" filters and antibacterial available	80,90	

Scarabelli > Cooling and Humidification

Code	Description	€	
ONF150	TCN 1/4" Noxide Economy 0,15 clean-up nozzle	16,20	
ONF151	TCN 1/4" Noxide Economy 0,20 clean-up nozzle	10,90	
ONF152	TCN 1/4" Noxide Economy 0,30 clean-up nozzle	8,70	
ONF183	Brass nozzle head	2,60	
ONF156	Fitting for nozzle 3/8" with 1 hole 1/4"	15,40	
ONF165	Tube coupling 3/8"	13,40	
ONF166	Quick coupling Tee 3/8"	28,70	
ONF168	90° quick coupling bend 3/8"	21,70	

Code	Description	€	
ONF164	3/8" end cap	5,30	
ONF161	End fitting for 1 nozzle	12,60	
ONF170	1/4" male connector for 3/8" tube	11,50	
ONF223	3/8" nylon coil pipe roll 25 mt black	168,50	
ONF224	80 cm in lenght nylon rigid pipe 3/8" black	7,20	
ONF184	Steel clamp for 3/8" tubing	2,00	

> Autonomous Fogging Fan MOBI-COOL



DESCRIPTION

Application

- MOBI-COOL is a transportable cooling fan, equipped with integrated pump and tank

Specifics

- Professional pump system with aluminium head
- Fogging area: up to 50 m²
- Ventilation depth: mt 8
- Fan tilting: 30° per side
- Working pressure: 70 bar
- High resistance 3 stainless steel pistons
- Adjustable flow system with internal by-pass
- Check valve
- Self-ventilated industrial engine
- Thermic protection
- 60 lt water tank
- OFF/VENTILATION/VENTILATION + FOGGING switch
- Balanced weight, movement wheels and handle
- Level sensor for dry running prevention
- In compliance with CE rules

Code	Description	Hours autonomy	Output flow-rate l/m	€
ONF610	Mobi Cool with 4 nozzles - 450 W - 70 bar	3	0,31	4.026,00
ONF611	Mobi Cool with 4 nozzles - 450 W - 70 bar	5	0,18	4.026,00

Price List

Scarabelli > Anti-Mosquito and Fertilization Systems

> 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	1.394,00
OKTS100	Anti-mosquito kit	300	1.573,00
OKTS101	Anti-mosquito kit	500	1.647,00
MVR014	Vectobak formula 12as - 10 lt		500,00

> Filtrissimo Fertilizer and Anti-Mosquito Product - Garden Line



DESCRIPTION

Application

- It sprays on the irrigated surface additives (as repellents or insecticides) for people's protection
 - Fit for different purposes by using the specific additive
 - Innovative patented product to use in irrigation systems
- both under and above ground, compatible with the already existent ones
- Designed for definitively avoid additives overdose by spraying the correct product dosage at every irrigation cycle

Features

Composed by:

- Cartridge cap
- Seals

- Allen wrench
- Screw
- Insecticide, repellent or fertilizer

Code	Description	€	
OKTS090	1" female body Filtrissimo	75,00	
OKTS091	PEST cartridge with anti-mosquitos bottle - red colour	69,00	
OKTS092	REPELLENT cartridge with natural repellent bottle - yello colour	69,00	
OKTS093	FERT cartridge with vegetal fertilizer bottle - green colour	69,00	

OKTS090 do not include cartridge

VALVES



**VALVES
HYDROVALVES
WATER METERS
ACCESSORIES**

Price List

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	0,84	
FRS115	¾" x 20	Male threaded valve for hose adaptor ¾"	1 - 50	0,84	
FRS086	½" x 16	Male threaded valve for hose adaptor with backnut	1 - 50	1,26	
FRS087	¾" x 16	Male threaded valve for hose adaptor with backnut	1 - 50	1,26	
FRS088	½" x 20	Male threaded valve for hose adaptor with backnut	1 - 50	1,30	
FRS089	¾" x 20	Male threaded valve for hose adaptor with backnut	1 - 50	1,30	
FRS008	16 x 16	Hose adaptor valve for hose adaptor	1 - 50	0,84	
FRS009	20 x 20	Hose adaptor valve for hose adaptor	1 - 50	0,84	
FRS080	16 x 16	Hose adaptor for hose adaptor with backnut	1 - 50	1,43	
FRS081	20 x 20	Hose adaptor for hose adaptor with backnut	1 - 50	1,51	
FRS017	¾" x 16	Female threaded ¾" F for hose adaptor	1 - 50	1,01	
FRS018	¾" x 20	Female threaded ¾" F for hose adaptor	1 - 50	1,01	
FRS015	¾" x ¾"	F/F threaded valve	1 - 50	1,27	
FRS016	¾" x ¾"	M/F threaded valve	1 - 50	1,05	



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	1,20	
FRS090	16	Minivalve PVC for tape with rubber accessorie D2	1 - 50	1,22	
FRS094	16	Minivalve PVC for tape with rubber accessorie D3	1 - 50	1,22	
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	1,27	
FRS100	16	Tape derivation valve with Layflat pipe screw	1 - 50	1,45	
FRS101	22	Tape derivation valve with Layflat pipe screw	1 - 50	1,63	
FRS091	16	Tape valve x tape	1 - 50	1,22	
FRS092	22	Tape valve x tape	1 - 50	1,36	

D2  D3 

MINIVALVES WITH RING FOR T-SAL

Code	Ø	Description	Box	€/each	
FRS006	¾" x 16	¾" female valves x T-SAL	1 - 50	1,27	
FRS007	¾" x 22	¾" female valves x T-SAL	1 - 50	1,45	
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	1,20	
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	1,27	
FRS108	16	T-SAL valve x layflat	1 - 50	1,45	
FRS109	22	T-SAL valve x layflat	1 - 50	1,63	
FRS112	16	T-SAL valve	1 - 50	1,22	
FRS113	22	T-SAL valve	1 - 50	1,36	

Note: ring colour shown here is purely indicative



Price List

Valves > PVC



PVC BLACK BALL VALVES, BACKNUT

F/F					M/F				
									
Ø	Code	PN	B.	€/each	Ø	Code	PN	B.	€/each
¾"	FVIA007	10	140	2,60	¾"	FVIA020	10	140	2,60
1"	FVIA008	10	100	3,00	1"	FVIA021	10	100	3,00
1¼"	FVIA009	10	60	5,70	1¼"	FVIA022	10	60	5,70
1½"	FVIA010	10	40	9,50	1½"	FVIA023	10	40	9,50
2"	FVIA011	10	24	13,60	2"	FVIA024	10	24	13,60
2½"	FVIA012	10	12	30,40	2½"	FVIA025	10	12	30,40
3"	FVIA013	10	10	43,50	3"	FVIA026	10	10	43,50
4"	FVIA014	10	6	82,30	4"	FVIA027	10	6	82,30



PLASSON BALL VALVES

F/F				M/F			
							
Ø	Code	PN	€	Ø	Code	PN	€
½"	FVI027	16	11,60	½"	FVI031	16	10,70
¾"	FVI011	16	12,90	¾"	FVI018	16	12,80
1"	FVI025	16	14,30	1"	FVI010	16	14,30
1¼"	FVI032	16	20,30	1¼"	FVI043	16	19,90
1½"	FVI028	16	26,24	1½"	FVI044	16	25,60
2"	FVI026	16	43,90	2"	FVI040	16	43,80
2½"	FVI029	10	96,50				
3"	FVI024	10	109,80				

PVC-U BALL VALVES, BACKNUT

F/F				M/F			
							
Ø	Code	PN	€	Ø	Code	PN	€
½"	FVC150	16	10,57	½"	FVC159	16	10,57
¾"	FVC151	16	9,38	¾"	FVC160	16	9,38
1"	FVC152	16	11,63	1"	FVC161	16	11,63
1¼"	FVC153	16	15,23	1¼"	FVC162	16	15,23
1½"	FVC154	16	19,97	1½"	FVC163	16	19,97
2"	FVC155	16	25,02	2"	FVC164	16	25,02
2½"	FVC156	10	68,03				68,03
3"	FVC157	10	68,03				68,03
4"	FVC158	10	110,61				110,61

PVC-U BALL VALVES BI-BACKNUT

F thread				Solvent cement			
							
Ø	Code	PN	€	Ø	Code	PN	€
½"	FVC230	16	10,85	20	FVC240	16	12,59
¾"	FVC231	16	14,12	25	FVC241	16	11,77
1"	FVC232	16	15,82	32	FVC242	16	19,07
1¼"	FVC233	16	25,82	40	FVC243	16	19,36
1½"	FVC234	16	22,39	50	FVC244	16	22,02
2"	FVC235	16	29,85	63	FVC245	16	33,53
2½"	FVC236	10	80,32	75	FVC246	10	154,07
3"	FVC237	10	93,05	90	FVC247	10	201,62
4"	FVC238	10	127,29	110	FVC248	10	265,06

PVC BUTTERFLY VALVE

			
Ø	Code	PN	€
75 - DN65	FVF096	10	168,40
90 - DN80	FVF097	10	189,42
110 - DN100	FVF098	10	177,63
125 - 140 - DN125	FVF099	10	237,14
160 - DN150	FVF100	10	288,40
200 - 225 - DN200	FVF101	10	457,48

Price List



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	48,51	63	50	FVC015	10	15	72,10	32	FVC020	10	80	18,21	Code	Ø	€	Code	Ø	€	
90	80	FVC011	10	1	53,02	125	125	FVC016	10	5	124,63	40	FVC021	10	40	22,43	FVI634	½"	15,19	FVI585	20	17,84	
110	100	FVC012	10	1	62,32	200	200	FVC017	6	4	179,30	50	FVC022	10	20	28,33	FVI502	¾"	18,13	FVI586	25	21,42	
140	125	FVC013	10	1	107,25	225	200	FVC018	6	3	203,94	63	FVC023	10	20	34,96	FVI503	1"	24,75	FVI596	32	22,94	
160	150	FVC014	6	1	118,17												FVI504	1¼"	28,75	FVI594	40	27,01	
																	FVI505	1½"	41,11	FVI595	50	39,28	
																	FVI506	2"	42,18	FVI597	63	51,98	
																	FVI507	2½"	130,96	FVI598	75	122,41	
																	FVI508	3"	168,70	FVI599	90	158,09	
																	FVI509	4"	220,29	FVI600	110	246,07	

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	8,25		½"	FSF120	50	12	8,69		½"	FSV020	10	20	7,92		½"	FSV001	20	20	9,02	
¾"	FSF101	40	8	12,21		¾"	FSF121	40	8	12,87		¾"	FSV021	10	20	8,91		¾"	FSV002	20	20	12,54	
1"	FSF102	40	8	17,71		1"	FSF122	40	8	18,59		1"	FSV022	10	10	12,65		1"	FSV003	20	10	16,06	
1¼"	FSF103	30	4	30,25		1¼"	FSF125	30	4	33,33		1¼"	FSV023	10	10	20,90		1¼"	FSV004	20	10	26,18	
1½"	FSF104	30	2	41,14		1½"	FSF123	30	4	45,65		1½"	FSV024	10	5	27,50		1½"	FSV005	20	5	34,76	
2"	FSF105	25	2	62,92		2"	FSF124	25	2	69,85		2"	FSV025	10	1	40,48		2"	FSV006	20	1	53,02	
2½"	FSF108	18	1	120,45								2½"	FSV026	10	1	59,51		2½"	FSV007	16	1	76,12	
3"	FSF106	16	1	198,77								3"	FSV027	10	1	82,61		3"	FSV008	16	1	91,85	
4"	FSF107	14	1	337,59								4"	FSV028	10	1	136,18		4"	FSV010	16	1	155,10	
												5"	FSV011	10	1	489,50							
												6"	FSV013	10	1	744,70							

SOFT SEATED GATE VALVE					BUTTERFLY VALVE WITH LEVER				
									
Ø	Code	PN	€		Ø	Code	PN	€	
DN40	FSP038	16	188,65		DN40	FVF345	16	62,04	
DN50	FSP039	16	217,80		DN50	FVF346	16	66,11	
DN65	FSP040	16	262,35		DN65	FVF347	16	75,24	
DN80	FSP041	16	301,95		DN80	FVF348	16	83,49	
DN100	FSP042	16	351,45		DN100	FVF350	16	103,07	
DN125	FSP044	16	559,90		DN125	FVF351	16	136,51	
DN150	FSP053	16	608,30		DN150	FVF352	16	164,12	
DN200	FSP046	16	1.025,20		DN200	FVF353	16	232,76	
DN250	FSP047	16	1.573,55		DN250	FVF354	16	379,06	
DN300	FSP011	10	2.180,20		DN300	FVF355	16	528,88	

BALL VALVE WITH PIPE UNION					BALL VALVE WITH PIPE UNION WITH CHECK VALVE INTEGRATED				
									
Ø	Code	PN	€		Ø	Code	PN	€	
½"	FSF128	30	14,19		1"	FSF135	30	105,16	
¾"	FSF129	30	21,89		1¼"	FSF136	25	147,29	
1"	FSF130	30	35,31		1½"	FSF137	25	211,64	
1¼"	FSF132	25	55,99						
1½"	FSF133	25	110,55						
2"	FSF134	20	156,42						



Price List

Valves > Special

>Iron Taps

EUROPA CHECK AND FOOT VALVE				EUROPA VALVE FILTER		
						
Ø	Code	PN	€	Ø	Code	€
½"	FVE001	40	10,89	½"	FFI001	2,09
¾"	FVE002	40	14,63	¾"	FFI002	2,40
1"	FVE003	40	20,13	1"	FFI003	2,80
1"¼	FVE004	40	31,57	1"¼	FFI004	3,50
1"½	FVE005	40	42,24	1"½	FFI005	4,18
2"	FVE006	40	65,45	2"	FFI006	5,50
2"½	FVE007	40	150,26	2"½	FFI007	9,68
3"	FVE008	40	225,50	3"	FFI011	11,20
4"	FVE009	40	370,92	4"	FFI012	14,63

Code	Description	Ø	€	
FRS001	Ball hose adaptor tap PN15	½"	11,90	
FRS002	Ball hose adaptor tap PN15	¾"	17,90	
FRS003	Ball hose adaptor tap PN10	1"	28,50	
FRS120	Ball hose adaptor tap with handhold PN10	½"x¾"	29,40	
FRS125	2 independent ways derivation PN10	¾"x¾"x¾"	48,00	

END LINE VALVES

Ø	Code	Description	Box	€/each	
½" M	FVI704	Rain bird air valve	1	8,00	
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	17,40	
¾"	FVI354	Double low pressure (0,2 ÷ 1 bar)	Polyamide - EPDM seals - polystyrene foam float	16	17,40	
1"	FVI355	Double low pressure (0,2 ÷ 1 bar)	Polyamide - EPDM seals - polystyrene foam float	16	17,40	
1"	FVI363	Double	Polyamide - EPDM seals - polystyrene foam float	16	17,40	
1"	FVI395	Triple	Polyamide - EPDM seals - polystyrene foam float	16	34,10	
2"	FVI366	Double	Polyamide - EPDM seals - polystyrene foam float	16	38,10	
2"	FVI396	Triple	Polyamide - EPDM seals - polystyrene foam float	16	108,50	

BERMAD AIR VALVES

Ø	Code	Effect	Model	PN	€	
¾"	FVI404	Kinetic	IR-K10-P	10	36,00	
1"	FVI405	Kinetic	IR-K10-P	10	36,00	
2"	FVI406	Kinetic	IR-K10-P	10	43,00	
¾"	FVI390	Combined	IR-C10-P	10	87,00	
1"	FVI391	Combined	IR-C10-P	10	87,00	
2"	FVI392	Combined	IR-C10-P	10	126,00	
2"	FVI402	Combined	IR-C15-P	10	104,00	

Ø	Code	Effect	Model	PN	€	
¾"	FVI400	Combined	IR-C30-P	16	94,00	
1"	FVI399	Combined	IR-C30-P	16	94,00	
2"	FVI398	Combined	IR-C30-P	16	189,00	
DN50	FVI393	Combined	IR-C30-P	16	241,00	
DN80	FVI397	Combined	IR-C30-P	16	253,00	
2"	FVI401	Combined	IR-C35-P	16	148,00	

Valves



Price List

Valves > Hansen



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	38,60	1"	OHV022	16	45,70	1"	OHV010	10	57,70	1"	OHV015	16	57,70
¾"	OHV002	16	38,60	1¼"	OHV023	16	60,90	1¼"	OHV011	10	87,70	1¼"	OHV016	16	87,70
1"	OHV003	16	43,40	1½"	OHV024	16	76,10	1½"	OHV012	10	110,20	1½"	OHV017	16	110,20
1¼"	OHV004	16	57,90	2"	OHV025	16	91,10	2"	OHV013	10	160,20	2"	OHV018	16	160,20
1½"	OHV005	16	72,30					2½"	OHV014	10	329,30	2½"	OHV019	16	329,30
2"	OHV006	16	86,90												

Hansen > Level Alert



NEW

DESCRIZIONE:

Application

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

Specifications

- 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	Descrizione	€
SGL020	Level alert	423,70

Valves > Hansen Levellers



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	€
1/2"	SGL021	46,90	SGL050	1" x 1/2" Short	39,40	1/2"-3/4" Short Nylon	SGL005*	40,80	3/4" x 1" x 1 1/4"	SGL003	85,70
3/4"	SGL022	46,90	SGL051	1" x 3/4" Short	39,40	3/4"-1" Short Nylon	SGL015	48,80	1" x 3/4" Long	SGL011	113,60
1"	SGL023	46,90	SGL052	1" x 1" Short	39,40	3/4"-1" Nylon	SGL001	47,10	1 1/4" x 1" Long	SGL012	109,20
			SGL053	1" x 1/2" Long	43,10	3/4"-1" - Long Nylon	SGL008	55,60			
			SGL054	1" x 3/4" Long	41,10	1"-3/4" Short Ottone	SGL016	108,20			
			SGL055	1" x 1" Long	41,10	3/4"-1" Ottone	SGL006	111,30			
			Price includes arm, threaded fitting and adapter			1/2"-3/4" Long Ottone	SGL010	119,50			
			Floating sphere not included			*While stocks last					
						Floating sphere not included					

Price List

Valves > Hansen Levellers



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 1/2"	0,2	12	570	570
Rapidflo	1"	1" x 3/4"	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	€
1/2" - 3/4" - 1"	SGL060	327,80	1" - 1 1/4"	SGL004	279,30

> Hansen Levellers Accessories

MALE THREADED ADAPTERS					FASTFLO FLOAT			SUPERFLO FLOAT		
										
Ø	Code standard body	€	Code long body	€	Code	Description	€	Code	Description	€
1" x 1/2"	SGLA001	5,30	SGLA007	12,00	SGL017	Blue threaded ball x SUPERFLO/FASTFLO 115 mm	14,60	SGL002	Blue threaded ball for stainless pin Ø 140 mm	11,20
1" x 3/4"	SGLA002	5,30	SGLA008	12,00				SGL013	Yellow threaded ball for stainless pin Ø 140 mm	13,20
1" x 1"	SGLA003	5,30	SGLA009	12,00						
1" x 1 1/4"	SGLA004	5,30	SGLA010	15,30						
1" x 1 1/2"	SGLA005	14,40								
1" x 2"	SGLA006	14,40								

All levellers are equipped with male threaded adapters



Price List

Pressure Reducers >

> 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	15,60	
FRP234	PRLG	¾" F	114	1.590	2,07	15,60	
FRP236	PRLG	¾" F	114	1.590	2,76	15,60	
FRP249	PSR-2	¾" F	114	3.407	1,03	16,30	
FRP252	PSR-2	¾" F	114	3.407	2,07	16,30	
FRP255	PSR-2	¾" F	114	3.407	3,45	16,30	
FRP259	PMR MF	¾" F	454	4.543	1,03	26,50	
FRP262	PMR MF	¾" F	454	4.543	2,07	26,50	
FRP265	PMR MF	¾" F	454	4.543	3,45	26,50	
FRP270	PMR MF	1" F	454	4.543	1,03	26,50	
FRP273	PMR MF	1" F	454	4.543	2,07	26,50	
FRP276	PMR MF	1" F	454	4.543	3,45	26,50	
FRP286	PR HF	1"¼ F	2.271	7.268	1,03	52,90	
FRP289	PR HF	1"¼ F	2.271	7.268	2,07	52,90	
FRP291	PR HF	1"¼ F	2.271	7.268	3,45	52,90	
FRP293	PRU	2" F	4.543	22.713	1,03	225,10	
FRP296	PRU	2" F	4.543	22.713	2,07	225,10	
FRP298	PRU	2" F	4.543	22.713	3,45	225,10	

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	27,90	
FRP202	¾"	2 ÷ 4	0,20 ÷ 5	27,90	
FRP209	1"	1 ÷ 2	0,45 ÷ 7	76,70	
FRP210	1"	1,5 ÷ 3,5	0,45 ÷ 7	76,70	
FRP221	1"½	1 ÷ 2	0,45 ÷ 18	191,10	
FRP222	1"½	1,5 ÷ 3,5	0,45 ÷ 18	191,10	

Price List



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

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

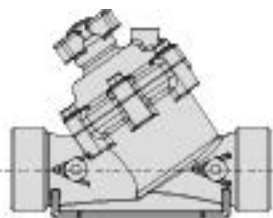
- Body, cap and shutter: black polyamide (nylon) - 6 30GF
- Diaphragm: NR
- Seals: NR
- Spring: stainless steel
- Cap bolts: stainless steel

KV FLOW-RATE FEATURE (M³/H AT 1 BAR LOAD LOSS)

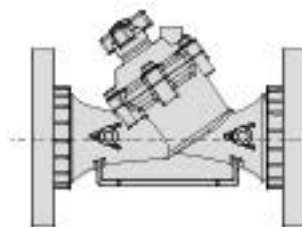
Dimension	DN	40	50	50	50L	65	80	80	80L	80L	100	100	100L	150R	150
	Inches	1½"	2"	2"	2"L	2½"	3"	3"	3"L	3"L	4"	4"	4"L	6"R	6"
Body		Y	Y	A	Y	Y	Y	A	Y	A	Y	A	Y	Y	Y
Kv		50	50	50	100	100	100	85	200	190	200	190	340	340	400

Valves

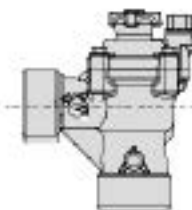
Available models



Threaded Y in line
1½" ÷ 4"



Flanged Y in line
DN50 ÷ 150



Angle threaded
2" ÷ 3"



Price List

Hydrovalves > 100 series



Mechanical closing									24 V AC electric command (3-way solenoid)								
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	128,00	DN80	FERB011	234,00	3"	FERB009	163,00	1"½	FERB031	173,00	DN80	FERB039	279,00	3"	FERB037	207,00
2"	FERB004	133,00	DN80L	FERB012	352,00	3"L	FERB010	282,00	2"	FERB032	177,00	DN80L	FERB040	397,00	3"L	FERB038	326,00
2"L	FERB005	141,00	DN100	FERB013	373,00				2"L	FERB033	187,00	DN100	FERB041	417,00			
2"½	FERB006	155,00	DN100-L	FERB016	643,00				2"½	FERB034	199,00	DN100-L	FERB620	727,00			
3"	FERB007	163,00	DN150-R	FERB015	779,00				3"	FERB035	207,00	DN150-R	FERB621	823,00			
3"T	FERB600	163,00	DN150	FERB014	1.105,00				3"T	FERB604	207,00	DN150	FERB042	1.149,00			
3"L	FERB008	282,00							3"L	FERB036	326,00						

24 V AC electric command (2-way solenoid)									12V DC latch electric command (3-way solenoid)								
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	€
2"L	FERB027	157,00	DN80	FERB030	247,00	3"	FERB217	176,00	1"½	FERB049	230,00	DN80	FERB057	331,00	3"	FERB055	260,00
2"½	FERB028	171,00							2"	FERB050	236,00	DN80L	FERB058	453,00	3"L	FERB056	382,00
3"	FERB029	176,00							2"L	FERB051	243,00	DN100	FERB059	474,00			
3"T	FERB603	176,00							2"½	FERB052	255,00	DN100-L	FERB622	739,00			
									3"	FERB053	260,00	DN150-R	FERB623	873,00			
									3"T	FERB606	260,00	DN150	FERB060	1.188,00			
									3"L	FERB054	381,00						

12V DC latch electric command (2-way solenoid)									Hydraulic command (3-way pilot relay) manual selector								
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	€
2"L	FERB045	180,00	DN80	FERB048	269,00	3"	FERB616	197,00	1"½	FERB691	225,00	DN80	FERB700	331,00	3"	FERB697	259,00
2"½	FERB046	191,00							2"	FERB692	229,00	DN80L	FERB715	448,00	3"L	FERB698	377,00
3"	FERB047	197,00							2"L	FERB693	237,00	DN100	FERB716	469,00			
3"T	FERB605	197,00							2"½	FERB694	250,00	DN100-L	FERB717	739,00			
									3"	FERB695	259,00	DN150	FERB718	1.198,00			
									3"L	FERB696	377,00						

Pressure reducer (2 ways relay valve)									Pressure reducer (3 ways relay valve)								
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	FERB061	293,00	DN80	FERB069	394,00	3"	FERB067	323,00	1"½	FERB073	293,00	DN80	FERB081	394,00	3"	FERB079	323,00
2"	FERB062	299,00	DN80L	FERB070	489,00	3"L	FERB068	418,00	2"	FERB074	299,00	DN80L	FERB082	490,00	3"L	FERB080	418,00
2"L	FERB063	304,00	DN100	FERB071	510,00				2"L	FERB075	304,00	DN100	FERB083	510,00			
2"½	FERB064	318,00	DN100-L	FERB624	784,00				2"½	FERB076	318,00	DN100-L	FERB626	784,00			
3"	FERB065	323,00	DN150-R	FERB625	REQ.				3"	FERB077	323,00	DN150-R	FERB627	REQ.			
3"T	FERB607	323,00	DN150	FERB072	1.341,00				3"T	FERB608	323,00	DN150	FERB084	1.341,00			
3"L	FERB066	418,00							3"L	FERB078	418,00						

Price List



Hydrovalves > 100 series

Pressure reducer (3 ways relay valve) Remote hydraulic command									Pressure reducer (2 ways relay valve) 24 V AC electric command								
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	FERB097	302,00	DN80	FERB105	403,00	3"	FERB103	332,00	1"½	FERB109	338,00	DN80	FERB117	439,00	3"	FERB115	367,00
2"	FERB098	308,00	DN80L	FERB106	498,00	3"L	FERB104	428,00	2"	FERB110	343,00	DN80L	FERB118	534,00	3"L	FERB116	462,00
2"L	FERB099	313,00	DN100	FERB107	519,00				2"L	FERB111	349,00	DN100	FERB119	554,00			
2"½	FERB100	326,00	DN100-L	FERB628	796,00				2"½	FERB112	362,00	DN100-L	FERB630	828,00			
3"	FERB101	332,00	DN150-R	FERB629	REQ.				3"	FERB113	367,00	DN150-R	FERB631	REQ.			
3"T	FERB609	332,00	DN150	FERB108	1.351,00				3"T	FERB611	367,00	DN150	FERB120	1.385,00			
3"L	FERB102	428,00							3"L	FERB114	462,00						

Pressure reducer (3 ways relay valve) 24 V AC electric command									Pressure reducer (3 ways relay valve) 12V DC latch electric command								
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	FERB121	338,00	DN80	FERB129	439,00	3"	FERB127	367,00	1"½	FERB133	359,00	DN80	FERB141	465,00	3"	FERB139	389,00
2"	FERB122	343,00	DN80L	FERB130	534,00	3"L	FERB128	462,00	2"	FERB134	364,00	DN80L	FERB142	566,00	3"L	FERB140	491,00
2"L	FERB123	349,00	DN100	FERB131	554,00				2"L	FERB135	370,00	DN100	FERB143	588,00			
2"½	FERB124	362,00	DN100-L	FERB632	828,00				2"½	FERB136	384,00	DN100-L	FERB634	878,00			
3"	FERB125	367,00	DN150-R	FERB633	REQ.				3"	FERB137	390,00	DN150-R	FERB635	REQ.			
3"T	FERB612	367,00	DN150	FERB132	1.385,00				3"T	FERB618	390,00	DN150	FERB144	1.468,00			
3"L	FERB126	462,00							3"L	FERB138	491,00						

Mechanical closing - Pressure reduction + sustain (3 ways relay valve)									Pressure sustain (3 ways relay valve)								
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	FERB145	409,00	DN80	FERB153	511,00	3"	FERB151	440,00	1"½	FERB157	293,00	DN80	FERB165	394,00	3"	FERB163	323,00
2"	FERB146	414,00	DN80L	FERB154	604,00	3"L	FERB152	533,00	2"	FERB158	299,00	DN80L	FERB166	490,00	3"L	FERB164	418,00
2"L	FERB147	419,00	DN100	FERB155	625,00				2"L	FERB159	304,00	DN100	FERB167	510,00			
2"½	FERB148	435,00	DN100-L	FERB636	895,00				2"½	FERB160	318,00	DN100-L	FERB638	784,00			
3"	FERB149	440,00	DN150-R	FERB637	REQ.				3"	FERB161	323,00	DN150-R	FERB639	REQ.			
3"T	FERB613	440,00	DN150	FERB156	1.450,00				3"T	FERB614	323,00	DN150	FERB168	1.341,00			
3"L	FERB150	533,00							3"L	FERB162	418,00						

Pressure sustain (3 ways relay valve) 24 V AC electric command									Pressure quick discharge								
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	FERB169	338,00	DN80	FERB177	439,00	3"	FERB175	367,00	1"½	FERB181	293,00	DN80	FERB189	394,00	3"	FERB187	323,00
2"	FERB170	343,00	DN80L	FERB178	534,00	3"L	FERB176	462,00	2"	FERB182	300,00	DN80L	FERB190	489,00	3"L	FERB188	418,00
2"L	FERB171	349,00	DN100	FERB179	554,00				2"L	FERB183	306,00	DN100	FERB191	510,00			
2"½	FERB172	362,00	DN100-L	FERB640	828,00				2"½	FERB184	318,00	DN100-L	FERB642	784,00			
3"	FERB173	367,00	DN150-R	FERB641	REQ.				3"	FERB185	325,00	DN150-R	FERB643	REQ.			
3"T	FERB615	367,00	DN150	FERB180	1.383,00				3"L	FERB186	418,00	DN150	FERB192	1.341,00			
3"L	FERB174	462,00															

Modulating level control									Pressure reduction Top (3 ways)								
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	FERB193	275,00	DN80	FERB201	379,00	3"	FERB199	308,00	1"½	FERB280	266,00	DN80	FERB286	356,00	3"	FERB287	293,00
2"	FERB194	283,00	DN80L	FERB202	476,00	3"L	FERB200	404,00	2"	FERB281	271,00						
2"L	FERB195	288,00	DN100	FERB203	495,00				2"L	FERB282	277,00						
2"½	FERB196	300,00	DN100-L	FERB644	771,00				2"½	FERB283	287,00						
3"	FERB197	308,00	DN150-R	FERB645	REQ.				3"	FERB284*	293,00						
3"L	FERB198	404,00	DN150	FERB204	1.189,00				3"	FERB285	293,00						

*Without manual closure

Hydrovalves > 200 series



DESCRIPTION

Application

- Regulation and control of fluids in irrigation systems

Specifics

- Hydraulic drive valve by network pressure resistant
- Hydraulically controlled on/off
- Plastic body valve for low pressure irrigation
- Long-term duration, cavitations and chemical products
- Outflow high efficiency body valve
- Low load loss

Features

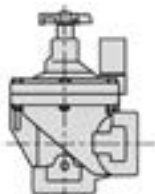
- An ultra flexible diaphragm and a controlled closure ensure a total passage allowing a precise and steady adjustment
- An extremely high flow-rate is always ensured
- Angle or in line body design assures a hydraulic path free from cloggings and high hydrodynamic efficiency

Materials

- Body, cap and shutter: 630GF black polyamide (nylon)
- Diaphragm: NBR
- Seals: NBR
- Spring: stainless steel
- Cap bolts: stainless steel

G

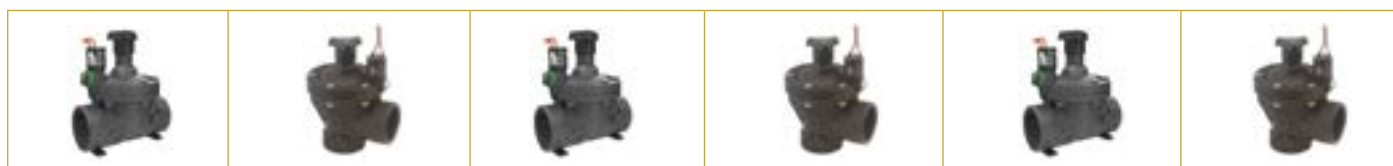
A



KV FLOW-RATE FEATURE (M³/H AT 1 BAR LOAD LOSS)

Dimension	DN	12	20	25	40	40	50	50
	Inches	½"	¾"	1"	1½"	1½"	2"	2"
Body		G	G	G	G	A	G	A
Kv		4	9	9	37	41	47	52

Valves



Base body						With flow control 12V DC latch electric command						With flow control 24 V AC electric command					
In line Y threaded			Angle, threaded			In line Y threaded			Angle, threaded			In line Y threaded			Angle, threaded		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
1"	OVB241	33,00	1½"	OVB244	80,00	½"	OVB218	48,00	1½"	OVB216	120,00	¾"	OVB202	48,00	1½"	OVB206	97,00
1½"	OVB242	80,00	2"	OVB245	92,00	¾"	OVB212	67,00	2"	OVB217	132,00	1"	OVB203	48,00	2"	OVB207	110,00
2"	OVB243	92,00				1"	OVB213	67,00				1½"	OVB204	97,00			
						1½"	OVB214	120,00				2"	OVB205	110,00			
						2"	OVB215	132,00									



With flow control Pressure reducer						Pressure reducer						Greenapp					
In line Y threaded			Angle, threaded			24 V AC electric comm.			12 V DC latch elec. comm.			In line Y threaded			Angle, threaded		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
1½"	OVB220	201,00	1½"	OVB222	201,00	1½"	OVB226	241,00	1½"	OVB230	241,00	¾"	OVB040	224,00	1½"	OVB043	229,00
2"	OVB221	232,00	2"	OVB223	232,00	2"	OVB227	275,00	2"	OVB231	275,00	1"	OVB041	224,00	2"	OVB045	234,00
												1½"	OVB042	229,00			
												2"	OVB044	234,00			

Price List



Hydrovalves > 203 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
- Spring: stainless steel
- Diaphragm: rubber
- Cap bolts: stainless steel



24 V AC electric command

9 V DC latch electric command

In line Y threaded			Angle, threaded			In line Y threaded			Angle, threaded		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
3"	OVB300	164,00	3"	OVB301	431,00	3"	OVB309	177,00	3"	OVB302	452,00

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
- 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: grey cast iron
- Diaphragm: NBR
- Spring: stainless steel
- Cap bolts: stainless steel
- Paint: polyester-green colour



Price List

Hydrovalves > 400 series

G



A



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



Base valve						Hydraulic command (3 ways)						24 V AC electric command (3 ways)					
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	€
1½"	FERB400	136,00	DN80	FERB407	362,00	1½"	FERB413	165,00	DN80	FERB420	391,00	1½"	FERB425	172,00	DN80	FERB432	411,00
2"	FERB401	145,00	DN100	FERB409	546,00	2"	FERB414	172,00	DN100	FERB422	572,00	2"	FERB426	179,00	DN100	FERB434	595,00
2½"	FERB403	207,00	DN150	FERB411	1.158,00	2½"	FERB416	231,00	DN150	FERB424	REQ.	2½"	FERB428	245,00			
3"R	FERB404	207,00	DN200	FERB412	2.004,00	3"R	FERB417	231,00				3"	FERB430	385,00			
3"	FERB405	335,00				3"	FERB418	361,00									

9V DC latch electric command (3 ways)						Pressure reducer (3 ways) Hydraulic command Sagiv						Pressure reducer (3 ways) 24 V AC electric command					
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	€
1½"	FERB440	192,00	DN80	FERB447	435,00	1½"	FERB455	260,00	DN80	FERB462	491,00	1½"	FERB482	308,00	DN80	FERB489	535,00
2"	FERB441	198,00	DN100	FERB449	631,00	2"	FERB456	271,00	DN100	FERB464	675,00	2"	FERB483	313,00	DN100	FERB491	719,00
2½"	FERB443	267,00				2½"	FERB458	339,00				2½"	FERB485	386,00			
3"	FERB445	407,00				3"	FERB460	459,00				3"	FERB487	506,00			

Pressure reducer (3 ways) 12V DC latch electric command						Pressure reduction + sustain (3 ways)						Pressure quick discharge					
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	€
1½"	FERB500	326,00	DN80	FERB507	567,00	1½"	FERB515	392,00	DN80	FERB522	615,00	1½"	FERB530	327,00	DN80	FERB537	551,00
2"	FERB501	332,00	DN100	FERB509	762,00	2"	FERB516	397,00	DN100	FERB524	802,00	2"	FERB531	330,00	DN100	FERB539	700,00
2½"	FERB503	408,00				2½"	FERB518	474,00				2½"	FERB533	387,00			
3"	FERB505	536,00				3"	FERB520	586,00				3"	FERB535	517,00			

Pressure sustain (3 ways)					
In line threaded			In line flanged		
Ø	Code	€	Ø	Code	€
1½"	FERB545	260,00	DN80	FERB552	491,00
2"	FERB546	271,00	DN100	FERB554	675,00
2½"	FERB548	339,00			
3"	FERB550	459,00			

Valves

Price List



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" x 2" - P	3" x 3" - P	3" x 2" - DC	4" x 4" - P
	filtration 1-C	Kv	52	110	120	225
	washing C-2	Kv	48	100	60	205
	filtration 2-C	Kv	46	93	-	190
	washing C-1	Kv	60	122	-	250

AVAILABLE FITTINGS

Ø	Porta C	Porta 2	Porta 1
• 2" x 2"	• threaded 2" Victaulic 2" (with adapters)	• threaded 2" Victaulic 2" (with adapters)	• threaded 2" Victaulic 2" (with adapters)
• 3" x 3" • 3" x 3"/2"	• Victaulic 3"	• Victaulic 3"	• Victaulic 3" • grooved 3" x Int. threaded 2"
• 3" x 3"/2" DC	• Victaulic 3"	• grooved 3" x Int. threaded BSP 2"	• Victaulic 3"
• 4" x 4" • 4" x 4"/3"	• Victaulic 4"	• Victaulic 4"	• Victaulic 4" • grooved 4" x Int. threaded 3"



2" x 2"



Victaulic 3"



Victaulic 3" x 2"



Victaulic 4"

Base hydrovalve				Manual selector				24V AC electric command				9V DC Latch electric command			
Ø	Mat.	Code	€	Ø	Mat.	Code	€	Ø	Mat.	Code	€	Ø	Mat.	Code	€
2" x 2"	plastica	FERB350	228,00	2" x 2"	plastica	FERB360	258,00	2" x 2"	plastica	FERB370	419,00	2" x 2"	plastica	FERB375	444,00
Victaulic 3"	plastica	FERB351	530,00	Victaulic 3"	plastica	FERB361	560,00	Victaulic 3"	plastica	FERB371	697,00	Victaulic 3"	plastica	FERB376	739,00
Victaulic 4"	plastica	FERB354	695,00	Victaulic 4"	plastica	FERB364	726,00	Victaulic 4"	plastica	FERB374	837,00	Victaulic 4"	plastica	FERB379	885,00
Victaulic 3" x 2"	metallo	FERB353	REQ.	Victaulic 3" x 2"	metallo	FERB363	REQ.	Victaulic 3" x 2"	metallo	FERB373	REQ.	Victaulic 3" x 2"	metallo	FERB378	REQ.



Price List

Hydrovalves > 600 series



**KV FLOW-RATE FEATURE
(M³/H AT 1 BAR LOAD LOSS)**

(M / T) AT BAR LOAD LOSS								
	DN				100	125	500	600
Ø	In.	1"½	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
- Cap bolts: stainless steel
- Paint:
 - polyester/green colour
 - polyester/blue colour (while stocks last)



Base hydrovalve						Manual control (3 ways)						24 V AC electric command 9 bar (3 ways)					
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	€
2"	FERV101	90,85	DN80	FERV110	288,65	2"	FERV141	133,40	DN80	FERV150	330,05	2"	FERV221	210,00	DN80	FERV230	412,85
2"½	FERV102	109,25	DN100	FERV111	403,65	2"½	FERV142	151,80	DN100	FERV151	438,15	2"½	FERV222	230,00	DN100	FERV231	507,15
3"	FERV103	187,45	DN125	FERV112	447,35	3"	FERV143	221,95	DN125	FERV152	526,70	3"	FERV223	305,90	DN125	FERV232	583,05
4"	FERV105	364,55	DN150	FERV113	914,25	4"	FERV144	377,20	DN150	FERV153	955,65	4"	FERV224	445,05	DN150	FERV233	1.045,35
			DN200	FERV120	3.150,00				DN200	FERV154	3.250,00				DN200	FERV234	REQ.

24 V AC electric command 9 bar (3 ways) NO valve						12V DC electric command						DC latch 6 - 40 V electric command (3 ways)					
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	€
2"	FERV241	216,20	DN80	FERV250	412,85	2"	FERV449	189,75	DN80	FERV455	412,85	2"	FERV261	228,85	DN80	FERV270	401,35
2"½	FERV242	230,00	DN100	FERV251	507,15	2"½	FERV450	230,00	DN100	FERV456	511,75	2"½	FERV262	241,50	DN100	FERV271	493,35
3"	FERV243	305,90	DN125	FERV252	583,05	3"	FERV451	250,70	DN125	FERV457	546,25	3"	FERV263	318,55	DN125	FERV272	669,30
4"	FERV244	445,05	DN150	FERV253	1.045,35	4"	FERV452	433,55	DN150	FERV458	1.045,35	4"	FERV264	519,80	DN150	FERV273	1.097,10
			DN200	FERV254	3.250,00				DN200	FERV459	3.250,00				DN200	FERV274	REQ.

Pressure reduction (3 ways relay valve) 12 bar						Pressure sustain (3 ways relay valve) 12 bar						Pressure reduction - 24 V AC electric command (3 ways relay valve)					
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	€
2"	FERV321	332,35	DN80	FERV330	529,00	2"	FERV341	440,00	DN80	FERV350	570,00	2"	FERV361	417,45	DN80	FERV370	614,10
2"½	FERV322	346,15	DN100	FERV331	599,15	2"½	FERV342	450,00	DN100	FERV351	680,00	2"½	FERV362	430,10	DN100	FERV371	706,10
3"	FERV323	423,20	DN125	FERV332	640,55	3"	FERV343	490,00	DN125	FERV352	770,00	3"	FERV363	507,15	DN125	FERV372	744,05
4"	FERV324	562,35	DN150	FERV333	REQ.	4"	FERV344	680,00	DN150	FERV353	REQ.	4"	FERV364	646,30	DN150	FERV373	REQ.
			DN200	FERV334	REQ.				DN200	FERV354	REQ.				DN200	FERV374	REQ.

Price List



Water Meters >

> 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
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"	38,00
FCA091	¾"	49,00

> 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	Height	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	68,00	FCA628	121,00	FCA609	121,00
¾"	FCA010	81,00	FCA629	135,00	FCA610	135,00
1"	FCA008	122,00	FCA630	176,00	FCA613	176,00
1 ¼"	FCA011	151,00	FCA631	204,00	FCA611	204,00
1 ½"	FCA012	244,00	FCA632	298,00	FCA615	298,00
2"	FCA015	328,00	FCA633	383,00	FCA614	383,00
2" FL	FCA018	305,00			FCA612	355,00

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} m³/h	Q _n	Q _t	Q _{min}	Length mm	Width	Weight 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	279,00
FCA601	65	289,00
FCA602	80	322,00
FCA603	100	386,00
FCA604	125	418,00
FCA605	150	515,00
FCA606	200	633,00

Can be purchased separately device with pulse output K=100 - Code FCAR001
€ 70,00

WITH PULSE OUTPUT K=100

Code	DN	€
FCA622	50	351,00
FCA616	65	362,00
FCA617	80	393,00
FCA618	100	458,00
FCA619	125	490,00
FCA620	150	586,00
FCA621	200	704,00

DN50 ÷ DN125 K=100/1.000
From DN150 K=1.000/10.000

> Bermad/SC Pilots

BERMAD PLASTIC MINIPILOTS

Code	Description	Model	Bar	€
APL013	3 ways, multifunction plastic	PC-Sharp X-P	0,5 ÷ 3	132,00
APL011	3 ways, multifunction plastic	PC-Sharp X-P	1 ÷ 7	132,00
APL017	3 ways, multifunction plastic	PC-Sharp X-P	0,8 ÷ 6,5	132,00
APL015	2 ways plastic pressure reducer	PC-20-A-P	0,8 ÷ 6,5	132,00
APL014	2 ways plastic pressure reducer	PC-20-A-P	0,5 ÷ 3	132,00
APL016	Pressure relief mini (quick type)	PC-3Q-P	0,8 ÷ 6,5	132,00
APL022	SERVO 2/3 ways	SERVO	0,5 ÷ 3,0	132,00
APL012	Reducer - sustain metal/plastic 3 ways	PC-X-M-P	1 ÷ 7	252,00
APL009	2 ways metal	#2PB	1 ÷ 16	325,00



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	0,78
RTT321	Cap	1/4" M	0,78
RTN001	Nipple	1/8" M x 1/8" M	0,78
RTN002	Nipple	1/4" M x 1/4" M	0,78
RTN003	Nipple	1/4" M x 1/8" M	0,78
RTT300	Tee	6 x 6 x 6	1,89
RTT301	Tee	8 x 8 x 8	1,89



Code	Description	Ø	€
RTT315	Tee	6 x 6 x 1/8" M	1,89
RTT316	Tee	6 x 6 x 1/4" M	1,89
RTT317	Tee	8 x 8 x 1/8" M	1,89
RTT318	Tee	8 x 8 x 1/4" M	1,89
RTT310	Tee	6 x 1/8" M x 6	1,89
RTT311	Tee	6 x 1/4" M x 6	1,89
RTT312	Tee	8 x 1/8" M x 8	1,89
RTT313	Tee	8 x 1/4" M x 8	1,89
RTM200	Sleeve	6 x 6	1,48
RTM201	Sleeve	8 x 8	1,48
RTM202	Sleeve	6 x 8	1,48
RTR099	Reduction	1/2" M x 1/8" F	1,30
RTR098	Reduction	1/2" M x 1/4" F	1,30
RTR097	Reduction	1/2" M x 3/8" F	1,30
FERC1645	3 ways valve	1/8" F x 1/8" F x 1/8" F x 1/4" M	18,90



> Hydraulic Control Hose

Code	Material	Ø _{int/est} mm	Box mt	€
OTB083	PE black	5/8	150	0,36
OTB087	PE white	5/8	200	0,38



> 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



Price List



Accessories >

> 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	16,30	
ORV266	2 ways solenoid actuator	S-390-2W	24 V DC	N.C.	0,18	0,180	3,6	16,30	
ORV261	2 ways solenoid actuator	S-390-2W	24 V AC	N.C.	0,25	0,125	1,7	16,30	
ORV281	TRIO 2 ways solenoid actuator	S-390-T-2W	24 V AC	N.C.	0,25	0,125	1,7	16,30	
ORV267	3 ways solenoid actuator	S-390-3W	12 V DC	N.O.	0,33	0,330	4,0	29,40	
ORV273	3 ways solenoid actuator	S-390-3W-D	24 V DC	N.O.	0,17	0,170	4,2	29,40	
ORV272	3 ways solenoid actuator	S-390-3W-D	24 V AC-D	N.O.	0,13	0,130	2,2	29,40	
ORV265	3 ways solenoid actuator plastic base	S-390-3W-D	24 V AC-D	N.O.	0,13	0,130	2,2	43,60	
ORV275	3 ways solenoid actuator metallic base	S-390-3W-D	24 V AC-D	N.O.	0,13	0,130	2,2	73,50	
ORV259	S400 3 ways solenoid actuator	S-400	24V AC	N.C.	0,20	0,200	3,5	48,90	
ORV260	S400 3 ways solenoid actuator	S-400	24V AC	N.O.	0,20	0,200	3,5	48,90	

Code	Description	Model	Voltage	Normal status	Min pulse duration (mSec)	Resistance (Ohm)	€	
ORV262	2 ways latch solenoid actuator - 2 wires	S-392	9 - 20	N.O./N.C.	20	6	40,50	
ORV282	2 ways latch solenoid actuator - 2 wires	S-392-T-2L-2W	9 - 20	N.O./N.C.	20	6	40,50	
ORV268	3 ways latch solenoid actuator - 2 wires - plastic hydraulic base	S-402	9 - 40	N.O.	20	6	62,00	
ORV276	3 ways latch solenoid actuator - 2 wires - hydraulic metal base manual control	S-402-3W-D	9 - 40	N.O.	20	6	144,90	
ORV271	3 ways latch solenoid actuator - 2 wires - plastic hydraulic base manual control	S-982	12 - 50	N.O./N.C.	20	4	104,00	

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	135,50	
OPG887	Greenapp Bluetooth 3-way control unit with bistable solenoid 9 V (latch) without base	9 - 20	N.C.	100 Series 200 Series	104,00	

PUMP



ELECTRIC PUMPS PUMPS WITH OVERGEAR ACCESSORIES

Price List



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, inexplosive 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	1.535,63
PSM172	SQE2-55	0,65	1.627,88
PSM173	SQE2-70	0,87	1.797,75
PSM174	SQE2-85	0,98	2.014,88
PSM175	SQE2-100	1,30	2.506,50
PSM176	SQE2-115	1,50	2.593,13

SQE 3 SERIES

25 ÷ 58 L/M - 138 ÷ 20 MH2O

Code	Type	Kw	€
PSM178	SQE3-30	0,44	1.474,88
PSM179	SQE3-40	0,63	1.560,38
PSM180	SQE3-55	0,83	1.806,75
PSM185	SQE3-65	1,02	2.014,88
PSM186	SQE3-80	1,23	2.506,50
PSM187	SQE3-95	1,43	2.586,38
PSM188	SQE3-105	1,63	2.678,63

SQE 5 SERIES

50 ÷ 100 L/M - 89 ÷ 9 MH2O

Code	Type	Kw	€
PSM159	SQE5-15	0,26	1.462,50
PSM160	SQE5-25	0,54	1.523,25
PSM161	SQE5-35	0,80	1.806,75
PSM162	SQE5-50	1,06	2.014,88
PSM165	SQE5-60	1,33	2.589,75
PSM166	SQE5-70	1,60	2.691,00

SQE 7 SERIES

58 ÷ 150 L/M - 52 ÷ 6 MH2O

Code	Type	Kw	€
PSM167	SQE7-15	0,42	2.002,50
PSM168	SQE7-30	0,84	2.174,63
PSM169	SQE7-40	1,27	2.776,50

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	573,75
FID030	Expansion tank	5 liters	58,50
SPUN010	0 ÷ 6 bar pressure sensor	X CU 301	216,00





Price List

Electric Pumps > Vertical Axis, Submersible

> 4HS Series

Ø_{max}
mm 99

Ø coupling
1 1/4" - 4HS 03
1 1/2" - 4HS 05
2" - 4HS 08

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

- Single-phase motor (three-phase version available on request), water bath rotor, jacketed and resin painted stator, wholly AISI 304 stainless steel
- Built-in inverter controlled on the surface by CM control module
- Multi-stage pump wholly in AISI 304 stainless steel
- Drive by inverter, allows to change the pump rotation speed in order to keep the desired pressure constant by varying of the water supply
- Soft start/stop device decreases absorption peaks, mechanical stress and water hammers
- Pumps are provided with:
 - 4HS pump
 - 2,5 flat cable (in compliance with ACS-WRAS-KTM rules)
 - (CM) surface control module
 - Cable junction kit
 - Pressure sensor (0 ÷ 16 bar)
 - Use and installation manual

Code	Type	Kw	€
PMK010	4HS 03/05	1,8	2.770,88
PMK011	4HS 03/10	3,2	3.609,00
PMK012	4HS 05/04	1,8	2.770,88
PMK013	4HS 05/08	3,2	3.609,00
PMK014	4HS 08/03	1,8	2.770,88
PMK015	4HS 08/05	3,2	3.609,00

> 4 Series

Ø_{max}
mm 98

Ø coupling
1 1/4" - 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
- Atoxic rubber thrust bearing
- Ceramic sleeves
- AISI 304 heads
- External hose, shaft and other details in AISI 304

6" water bath motors see page 182

Pumps

Price List



Electric Pumps > Vertical Axis, Submersible

4A SERIES 10 ÷ 40 L/M - 336 ÷ 15 MH2O						4B SERIES 15 ÷ 50 L/M - 346 ÷ 18 MH2O						4D SERIES 25 ÷ 80 L/M - 325 ÷ 13 MH2O					
Code	Type	HP	Kw		€	Code	Type	HP	Kw		€	Code	Type	HP	Kw		€
PSSM050	4A 005 N09	0,50	0,37	230V - µF 16	517,50	PSSM060	4B 005 N07	0,50	0,37	230V - µF 16	462,38	PSSM010	4D 005 N05	0,50	0,37	230V - µF 16	450,00
PSSM051	4A 007 N14	0,75	0,55	230V - µF 20	578,25	PSSM061	4B 007 N11	0,75	0,55	230V - µF 20	513,00	PSSM011	4D 007 N07	0,75	0,55	230V - µF 20	480,38
PSSM052	4A 010 N18	1,00	0,75	230V - µF 25	660,38	PSSM062	4B 010 N15	1,00	0,75	230V - µF 25	558,00	PSSM012	4D 010 N10	1,00	0,75	230V - µF 25	516,38
PSSM053	4A 015 N28	1,50	1,10	230V - µF 35	807,75	PSSM063	4B 015 N22	1,50	1,10	230V - µF 35	646,88	PSSM013	4D 015 N15	1,50	1,10	230V - µF 35	598,50
PSSM054	4A 020 N38	2,00	1,50	230V - µF 40	1.008,00	PSSM064	4B 020 N30	2,00	1,50	230V - µF 40	839,25	PSSM014	4D 020 N20	2,00	1,50	230V - µF 40	709,88
PSSM055	4A 030 N57	3,00	2,20	230V - µF 50	1.360,13	PSSM065	4B 030 N44	3,00	2,20	230V - µF 50	1.063,13	PSSM015	4D 030 N30	3,00	2,20	230V - µF 50	947,25
PSST050	4A 005 N09	0,50	0,37	400V	505,13	PSST060	4B 005 N07	0,50	0,37	400V	452,25	PSST010	4D 005 N05	0,50	0,37	400V	437,63
PSST051	4A 007 N14	0,75	0,55	400V	555,75	PSST061	4B 007 N11	0,75	0,55	400V	490,50	PSST011	4D 007 N07	0,75	0,55	400V	456,75
PSST052	4A 010 N18	1,00	0,75	400V	639,00	PSST062	4B 010 N15	1,00	0,75	400V	535,50	PSST012	4D 010 N10	1,00	0,75	400V	493,88
PSST053	4A 015 N28	1,50	1,10	400V	781,88	PSST063	4B 015 N22	1,50	1,10	400V	622,13	PSST013	4D 015 N15	1,50	1,10	400V	572,63
PSST054	4A 020 N38	2,00	1,50	400V	963,00	PSST064	4B 020 N30	2,00	1,50	400V	793,13	PSST014	4D 020 N20	2,00	1,50	400V	664,88
PSST055	4A 030 N57	3,00	2,20	400V	1.310,63	PSST065	4B 030 N44	3,00	2,20	400V	1.013,63	PSST015	4D 030 N30	3,00	2,20	400V	898,88
						PSST066	4B 040 N60	4,00	3,00	400V	1.461,38	PSST016	4D 040 N40	4,00	3,00	400V	1.252,13
												PSST017	4D 055 N54	5,50	4,00	400V	1.572,75
PCPS061	4A 005 N09			Pump only	250,88	PCPS001	4B 005 N07			Pump only	199,13	PCPS010	4D 005 N05			Pump only	183,38
PCPS019	4A 007 N14			Pump only	300,38	PCPS002	4B 007 N11			Pump only	235,13	PCPS011	4D 007 N07			Pump only	200,25
PCPS018	4A 010 N18			Pump only	371,25	PCPS003	4B 010 N15			Pump only	270,00	PCPS012	4D 010 N10			Pump only	228,38
PCPS060	4A 015 N28			Pump only	489,38	PCPS004	4B 015 N22			Pump only	329,63	PCPS013	4D 015 N15			Pump only	280,13
PCPS009	4A 020 N38			Pump only	488,25	PCPS005	4B 020 N30			Pump only	456,75	PCPS014	4D 020 N20			Pump only	329,63
PCPS008	4A 030 N57			Pump only	883,13	PCPS006	4B 030 N44			Pump only	582,75	PCPS015	4D 030 N30			Pump only	466,88
						PCPS007	4B 040 N60			Pump only	834,75	PCPS016	4D 040 N40			Pump only	626,63
												PCPS017	4D 055 N54			Pump only	779,63
4E SERIES 35 ÷ 100 L/M - 282 ÷ 9 MH2O						4F SERIES 45 ÷ 160 L/M - 330 ÷ 12 MH2O						4H SERIES 80 ÷ 225 L/M - 235 ÷ 12 MH2O					
Code	Type	HP	Kw		€	Code	Type	HP	Kw		€	Code	Type	HP	Kw		€
PSSM030	4E 005 N04	0,50	0,37	230V - µF 16	451,13	PSSM020	4F 010 N06	1,00	0,75	230V - µF 25	527,63	PSSM070	4H 015 N06	1,50	1,10	230V - µF 35	555,75
PSSM031	4E 007 N06	0,75	0,55	230V - µF 20	480,38	PSSM021	4F 015 N09	1,50	1,10	230V - µF 35	605,25	PSSM071	4H 020 N08	2,00	1,50	230V - µF 40	646,88
PSSM032	4E 010 N08	1,00	0,75	230V - µF 25	505,13	PSSM022	4F 020 N12	2,00	1,50	230V - µF 40	706,50	PSSM072	4H 030 N12	3,00	2,20	230V - µF 50	843,75
PSSM033	4E 015 N12	1,50	1,10	230V - µF 35	576,00	PSSM023	4F 030 N18	3,00	2,20	230V - µF 50	887,63						
PSSM034	4E 020 N16	2,00	1,50	230V - µF 40	691,88												
PSSN035	4E 030 N24	3,00	2,20	230V - µF 50	884,25												
PSST040	4E 005 N04	0,50	0,37	400V	438,75	PSST020	4F 010 N06	1,00	0,75	400V	505,13	PSST030	4H 015 N06	1,50	1,10	400V	531,00
PSST041	4E 007 N06	0,75	0,55	400V	455,63	PSST021	4F 015 N09	1,50	1,10	400V	580,50	PSST031	4H 020 N08	2,00	1,50	400V	600,75
PSST042	4E 010 N08	1,00	0,75	400V	483,75	PSST022	4F 020 N12	2,00	1,50	400V	661,50	PSST032	4H 030 N12	3,00	2,20	400V	794,25
PSST043	4E 015 N12	1,50	1,10	400V	550,13	PSST023	4F 030 N18	3,00	2,20	400V	838,13	PSST033	4H 040 N16	4,00	3,00	400V	1.027,13
PSST044	4E 020 N16	2,00	1,50	400V	646,88	PSST024	4F 040 N24	4,00	3,00	400V	1.143,00	PSST034	4H 055 N22	5,50	4,00	400V	1.246,50
PSST045	4E 030 N24	3,00	2,20	400V	834,75	PSST025	4F 055 N34	5,50	4,00	400V	1.461,38	PSST035	4H 075 N30	7,50	5,50	400V	1.524,38
PSST046	4E 040 N32	4,00	3,00	400V	1.170,00	PSST026	4F 075 N45	7,50	5,50	400V	1.876,50	PSST036	4H 100 N39	10,00	7,50	400V	3.550,00
PSST047	4E 055 N44	5,50	4,00	400V	1.532,25	PSST027	4F 100 N60	10,00	7,50	400V	3.950,00						
PCPS053	4E 005 N04			Pump only	185,63	PCPS020	4F 010 N06			Pump only	240,75	PCPS030	4H 015 N06			Pump only	236,25
PCPS062	4E 007 N06			Pump only	200,25	PCPS021	4F 015 N09			Pump only	284,63	PCPS031	4H 020 N08			Pump only	265,50
PCPS054	4E 010 N08			Pump only	218,25	PCPS022	4F 020 N12			Pump only	326,25	PCPS032	4H 030 N12			Pump only	363,38
PCPS055	4E 015 N12			Pump only	258,75	PCPS023	4F 030 N18			Pump only	409,50	PCPS033	4H 040 N16			Pump only	401,63
PCPS056	4E 020 N16			Pump only	311,63	PCPS024	4F 040 N24			Pump only	516,38	PCPS034	4H 055 N22			Pump only	516,38
PCPS057	4E 030 N24			Pump only	406,13	PCPS025	4F 055 N34			Pump only	731,25	PCPS035	4H 075 N30			Pump only	670,50
PCPS063	4E 040 N32			Pump only	544,50	PCPS026	4F 075 N45			Pump only	1.021,50	PCPS036	4H 100 N39			Pump only	823,50
PCPS064	4E 055 N44			Pump only	708,75	PCPS027	4F 100 N60			Pump only	1.296,00						



Price List

Electric Pumps > Vertical Axis, Submersible

4L SERIES

120 ÷ 350 L/M - 148 ÷ 8 MH2O

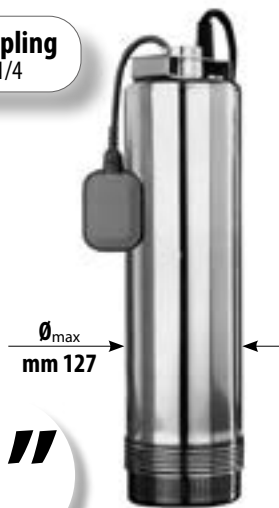
Code	Type	HP	Kw		€
PSSM080	4L 020 N05	2,00	1,50	230V - µF 40	643,50
PSSM081	4L 030 N07	3,00	2,20	230V - µF 50	829,13

PSST080	4L 020 N05	2,00	1,50	400v	598,50
PSST081	4L 030 N07	3,00	2,20	400v	780,75
PSST082	4L 040 N10	4,00	3,00	400v	1.049,63
PSST083	4L 055 N14	5,50	4,00	400v	1.240,88
PSST084	4L 075 N19	7,50	5,50	400v	1.491,75
PSST085	4L 100 N25	10,00	7,50	400v	3.500,00

PCPS040	4L 020 N05		Pump only	263,25
PCPS041	4L 030 N07		Pump only	351,00
PCPS042	4L 040 N10		Pump only	426,38
PCPS043	4L 055 N14		Pump only	514,13
PCPS044	4L 075 N19		Pump only	637,88
PCPS045	4L 100 N25		Pump only	794,25

> SF-SC Series

Ø coupling
1"1/4



Ø_{max}
mm 127

5"

DESCRIPTION

Application

- Domestic and industrial use
- Water supply, pressurization and irrigation
- Structural features and the use of specific materials

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		€	Code	Type	HP	Kw		€
PSSF002	SF 010 N02	1,00	0,75	230V - µF 20	777,38	PSSF010	SF 010 N02	1,00	0,75	400V	715,50
PSSF003	SF 015 N03	1,50	1,10	230V - µF 25	814,50	PSSF011	SF 015 N03	1,50	1,10	400V	814,50
PSSF004	SF 020 N04	2,00	1,50	230V - µF 35	925,88	PSSF012*	SF 020 N04	2,00	1,50	400V	925,88
EGL900	Float with 10 meters of cable H07RNF				146,25	*While stocks last					

SC SERIES WITHOUT FLOAT 10 ÷ 80 L/M - 96 ÷ 9 MH2O

Code	Type	HP	Kw		€
PSSC007	SC 007 N03	0,75	0,55	230V - µF 16	607,50
PSSC008	SC 010 N04	1,00	0,75	230V - µF 20	678,38
PSSC009	SC 015 N06	1,50	1,10	230V - µF 25	781,88
PSSC010	SC 020 N08	2,00	1,50	230V - µF 35	869,63

SC SERIES WITH FLOAT 10 ÷ 80 L/M - 96 ÷ 9 MH2O SINGLE-PHASE

Code	Type	HP	Kw		€
PSSC015	SC 007 N03	0,75	0,55	230V - µF 16	662,63
PSSC016	SC 010 N04	1,00	0,75	230V - µF 20	744,75
PSSC017	SC 015 N06	1,50	1,10	230V - µF 25	828,00
PSSC018	SC 020 N08	2,00	1,50	230V - µF 35	910,13

SC SERIES 10 ÷ 80 L/M - 96 ÷ 9 MH2O THREE-PHASE

Code	Type	HP	Kw		€
PSSC057	SC 007 N03	0,75	0,55	400V	607,50
PSSC058	SC 010 N04	1,00	0,75	400V	678,38
PSSC059	SC 015 N06	1,50	1,10	400V	777,38
PSSC060	SC 020 N08	2,00	1,50	400V	886,50

Price List



Electric Pumps > Vertical Axis, Submersible

> 6 Series

Ø coupling
3"



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

6B SERIES

50 ÷ 250 L/M - 698 ÷ 27 MH2O

Code	Type	HP	Kw	€
PSSM1000	6B 030 N05/4*	3,0	2,2	230V 1.364,63
PSST1000	6B 030 N05/4*	3,0	2,2	400V 1.450,13
PSST1001	6B 040 N06/4*	5,5	4,0	400V 1.696,50
PSST1006	6B 040 N07/4*	5,5	4,0	400V 1.746,00
PSST1003	6B 055 N08/4*	5,5	4,0	400V 1.914,75
PSST1004	6B 055 N09/4*	5,5	4,0	400V 1.963,13
PSST1005	6B 075 N12/4*	7,5	5,5	400V 2.311,88
PSST1100	6B 075 N12	7,5	5,5	400V 2.999,25
PSST1101	6B 100 N16	10,0	7,5	400V 3.397,50
PSST1102	6B 125 N18	12,5	9,2	400V 3.638,25
PSST1103	6B 125 N21	12,5	9,2	400V 3.899,25
PSST1104	6B 150 N24	15,0	11,0	400V 4.177,13
PSST1106	6B 200 N32/SD	20,0	15,0	400V 5.628,38
PSST1107	6B 250 N40/SD	25,0	18,5	400V 6.553,13
PSST1108	6B 300 N48/SD	30,0	22,0	400V 7.260,75

6D SERIES

120 ÷ 300 L/M - 599 ÷ 30 MH2O

Code	Type	HP	Kw	€
PSST1011	6D 040 N05/4*	4,0	3,0	400V 1.347,75
PSST1012	6D 050 N06/4*	5,5	4,0	400V 1.508,63
PSST1013	6D 075 N07/4*	7,5	5,5	400V 1.678,50
PSST1110	6D 075 N07	7,5	5,5	400V 2.722,50
PSST1014	6D 075 N08/4*	7,5	5,5	400V 1.977,75
PSST1111	6D 075 N08	7,5	5,5	400V 2.776,50
PSST1015	6D 075 N09/4*	7,5	5,5	400V 2.026,13
PSST1112	6D 075 N09	7,5	5,5	400V 2.826,00
PSST1113	6D 100 N12	10,0	7,5	400V 3.102,75
PSST1114	6D 125 N15	12,5	9,2	400V 3.466,13
PSST1115	6D 150 N18	15,0	11,0	400V 3.745,13
PSST1116	6D 175 N21	17,5	13,0	400V 4.043,25
PSST1117	6D 200 N24	20,0	15,0	400V 4.549,50
PSST1118	6D 250 N30	25,0	18,5	400V 5.099,63
PSST1119	6D 300 N35/SD	30,0	22,0	400V 6.260,63

6E SERIES

200 ÷ 600 L/M - 35 ÷ 2 MH2O

Code	Type	HP	Kw	€
PSSM1020	6E 020 N02/4*	2,0	1,5	230V 1.156,50
PSST1020	6E 020 N02/4*	2,0	1,5	400V 1.095,75
PSSM1021	6E 030 N03/4*	3,0	2,2	230V 1.238,63
PSST1021	6E 030 N03/4*	3,0	2,2	400V 1.217,25

PCPS500	6B 030 N05/4*	Pump only	793,13
PCPS539	6B 030 N05/4*	Pump only	793,13
PCPS501	6B 040 N06/4*	Pump only	839,25
PCPS514	6B 040 N07/4*	Pump only	892,13
PCPS503	6B 055 N08/4*	Pump only	919,13
PCPS504	6B 055 N09/4*	Pump only	968,63
PCPS505	6B 075 N12/4*	Pump only	1.176,75
PCPS534	6B 075 N12	Pump only	1.176,75
PCPS506	6B 100 N16	Pump only	1.481,63
PCPS507	6B 125 N18	Pump only	1.588,50
PCPS508	6B 125 N21	Pump only	1.856,25
PCPS509	6B 150 N24	Pump only	2.034,00
PCPS511	6B 200 N32/SD	Pump only	3.123,00
PCPS512	6B 250 N40/SD	Pump only	3.561,75
PCPS513	6B 300 N48/SD	Pump only	4.174,88

PCPS521	6D 040 N05/4*	Pump only	793,13
PCPS522	6D 050 N06/4*	Pump only	839,25
PCPS523	6D 075 N07/4*	Pump only	892,13
PCPS535	6D 075 N07	Pump only	892,13
PCPS524	6D 075 N08/4*	Pump only	947,25
PCPS536	6D 075 N08	Pump only	947,25
PCPS525	6D 075 N09/4*	Pump only	997,88
PCPS537	6D 075 N09	Pump only	997,88
PCPS526	6D 100 N12	Pump only	1.176,75
PCPS527	6D 125 N15	Pump only	1.409,63
PCPS528	6D 150 N18	Pump only	1.588,50
PCPS529	6D 175 N21	Pump only	1.856,25
PCPS530	6D 200 N24	Pump only	2.034,00
PCPS531	6D 250 N30	Pump only	2.441,25
PCPS532	6D 300 N35/SD	Pump only	3.289,50

PCPS546	6E 020 N02/4*	Pump only	697,50
PCPS546	6E 020 N02/4*	Pump only	697,50
PCPS547	6E 030 N03/4*	Pump only	767,25
PCPS547	6E 030 N03/4*	Pump only	767,25

*Combined with oil bath 4" motor



Price List

Electric Pumps > Vertical Axis, Submersible

6F SERIES 200 ÷ 600 L/M - 593 ÷ 11 MH2O						6H SERIES 300 ÷ 800 L/M - 400 ÷ 7 MH2O						6I SERIES 400 ÷ 900 L/M - 16 ÷ 5 MH2O					
Code	Type	HP	Kw		€	Code	Type	HP	Kw		€	Code	Type	HP	Kw		€
PSST1030	6F 040 N03/4*	4,0	3,0	400V	1.364,63	PSST1040	6H 040 N02/4*	4,0	3,0	400V	1.581,75	PSSM1030	6I 030 N02/4*	3,0	2,2	230V	1.192,50
PSST1031	6F 050 N04/4*	5,0	4,0	400V	1.661,63	PSST1041	6H 055 N03/4*	5,5	4,0	400V	1.788,75	PSST1050	6I 030 N02/4*	3,0	2,2	400V	1.192,50
PSST1032	6F 075 N06/4*	7,5	5,5	400V	1.858,50	PSST1042	6H 075 N04/4*	7,5	5,5	400V	2.032,88						
PSST1125	6F 075 N06	7,5	5,5	400V	2.847,38	PSST1140	6H 075 N04	7,5	5,5	400V	2.723,63						
PSST1126	6F 100 N08	10,0	7,5	400V	3.094,88	PSST1141	6H 100 N05	10,0	7,5	400V	2.898,00						
PSST1127	6F 125 N10	12,5	9,2	400V	3.393,00	PSST1142	6H 125 N06	12,5	9,2	400V	3.107,25						
PSST1128	6F 150 N12	15,0	11,0	400V	3.659,63	PSST1143	6H 150 N08	15,0	11,0	400V	3.377,25						
PSST1129	6F 175 N14	17,5	13,0	400V	3.893,63	PSST1144	6H 175 N09	17,5	13,0	400V	3.468,38						
PSST1130	6F 200 N16	20,0	15,0	400V	4.271,63	PSST1145	6H 200 N10	20,0	15,0	400V	3.909,38						
PSST1131	6F 250 N20	25,0	18,5	400V	4.955,63	PSST1146	6H 250 N13	25,0	18,5	400V	4.291,88						
PSST1132	6F 300 N24	30,0	22,0	400V	5.547,38	PSST1147	6H 300 N16	30,0	22,0	400V	4.848,75						
PSST1133	6F 350 N28/SD	35,0	26,0	400V	7.178,63	PSST1148	6H 350 N19	35,0	26,0	400V	5.719,50						
PSST1134	6F 400 N32/SD	40,0	30,0	400V	7.954,88	PSST1149	6H 400 N22	40,0	30,0	400V	6.336,00						
PSST1135	6F 500 N40/SD	50,0	37,0	400V	9.948,38	PSST1150	6H 500 N27/SD	50,0	37,0	400V	8.883,00						
PCPSS50	6F 040 N03/4*			Pump only	767,25	PCPS569	6H 040 N02/4*			Pump only	659,25	PCPSS90	6I 030 N02/4*			Pump only	669,38
PCPSS51	6F 050 N04/4*			Pump only	954,00	PCPS570	6H 055 N03/4*			Pump only	767,25						
PCPSS564	6F 075 N06/4*			Pump only	982,13	PCPS571	6H 075 N04/4*			Pump only	857,25						
PCPSS52	6F 075 N06			Pump only	982,13	PCPS572	6H 075 N04			Pump only	857,25						
PCPSS53	6F 100 N08			Pump only	1.125,00	PCPS573	6H 100 N05			Pump only	929,25						
PCPSS54	6F 125 N10			Pump only	1.285,88	PCPS574	6H 125 N06			Pump only	997,88						
PCPSS55	6F 150 N12			Pump only	1.444,50	PCPS575	6H 150 N08			Pump only	1.159,88						
PCPSS56	6F 175 N14			Pump only	1.588,50	PCPS576	6H 175 N09			Pump only	1.321,88						
PCPSS57	6F 200 N16			Pump only	1.748,25	PCPS577	6H 200 N10			Pump only	1.548,00						
PCPSS58	6F 250 N20			Pump only	2.212,88	PCPS578	6H 250 N13			Pump only	1.712,25						
PCPSS59	6F 300 N24			Pump only	2.461,50	PCPS579	6H 300 N16			Pump only	2.130,75						
PCPSS60	6F 350 N28/SD			Pump only	3.657,38	PCPS580	6H 350 N19			Pump only	2.323,13						
PCPSS61	6F 400 N32/SD			Pump only	3.943,13	PCPS581	6H 400 N22			Pump only	3.567,38						
PCPSS62	6F 500 N40/SD			Pump only	4.608,00	PCPS582	6H 500 N27/SD			Pump only	3.564,00						

*Combined with oil bath 4" motor

6L SERIES - 500 ÷ 1.100 L/M - 232 ÷ 4 MH2O											
Code	Type	HP	Kw		€			Code	Type		€
PSST1060	6L 055 N03/4*	5,5	4,0	400V	1.715,63			PCPS599	6L 055 N03/4*	Pump only	669,38
PSST1061	6L 075 N04/4*	7,5	5,5	400V	1.825,88			PCPS600	6L 075 N04/4*	Pump only	744,75
PSST1161	6L 100 N04	10,0	7,5	400V	2.898,00			PCPS602	6L 100 N04	Pump only	857,25
PSST1162	6L 125 N06	12,5	9,2	400V	3.066,75			PCPS605	6L 125 N06	Pump only	997,88
PSST1163	6L 150 N07	15,0	11,0	400V	3.281,63			PCPS603	6L 150 N07	Pump only	1.066,50
PSST1164	6L 175 N08	17,5	13,0	400V	3.529,13			PCPS609	6L 175 N08	Pump only	1.159,88
PSST1165	6L 200 N09	20,0	15,0	400V	3.825,00			PCPS606	6L 200 N09	Pump only	1.242,00
PSST1166	6L 250 N12	25,0	18,5	400V	4.222,13			PCPS607	6L 250 N12	Pump only	1.481,63
PSST1167	6L 300 N12	30,0	22,0	400V	4.720,50			PCPS608	6L 300 N12	Pump only	1.634,63
PSST1168	6L 350 N15	35,0	26,0	400V	5.475,38			PCPS610	6L 350 N15	Pump only	1.774,13
PSST1169	6L 400 N19	40,0	30,0	400V	6.108,75			PCPS611	6L 400 N19	Pump only	2.181,38
PSST1170	6L 500 N22/S	50,0	37,0	400V	7.986,38			PCPS612	6L 500 N22/S	Pump only	2.647,13

*Combined with oil bath 4" motor

Price List



Electric Pumps > Vertical Axis, Submersible

> Semi-Axial



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

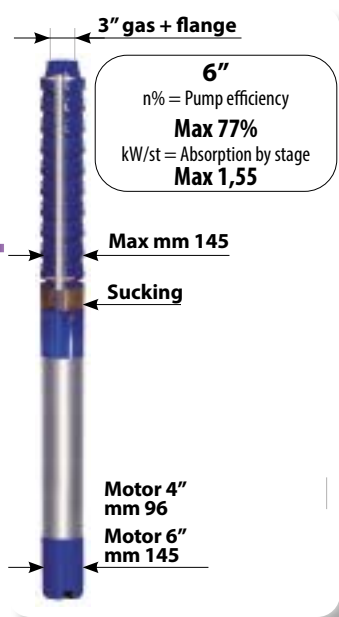
Specifics

- 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 480 ÷ 1.200 L/M

Code	Type	HP	Kw		€
PSSTG112	140REC66/03	7,5	5,5	400V	2.933,44
PSSTG100	140REC66/04	10,0	7,5	400V	3.174,30
PSSTG101	140REC66/05	12,5	9,2	400V	3.516,75
PSSTG102	140REC66/06	15,0	11,0	400V	3.881,81
PSSTG103	140REC66/07	17,5	13,0	400V	4.370,63
PSSTG104	140REC66/08	20,0	15,0	400V	4.749,75
PSSTG105	140REC66/09	25,0	18,5	400V	5.372,66
PSSTG106	140REC66/10	25,0	18,5	400V	5.535,56
PSSTG107	140REC66/11	30,0	22,0	400V	6.631,31
PSSTG108	140REC66/12	35,0	26,0	400V	7.239,38
PSSTG109	140REC66/13	35,0	26,0	400V	7.437,38
PSSTG110	140REC66/15	40,0	30,0	400V	8.071,88
PSSTG111	140REC66/18	50,0	37,0	400V	9.215,44

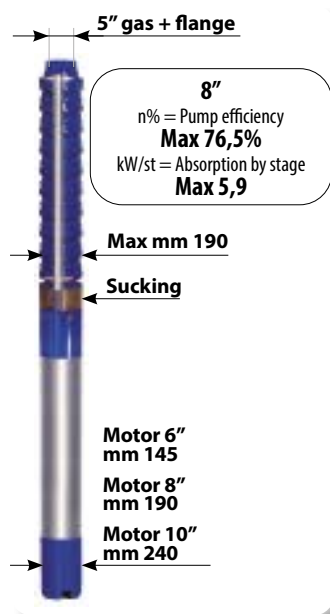
Pumps



Price List

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	3.933,00
PSSTG401	180REC78/03	20,0	15,0	400V	4.934,25
PSSTG402	180REC78/04	30,0	22,0	400V	6.347,25
PSSTG403	180REC78/05	35,0	26,0	400V	7.131,94
PSSTG404	180REC78/06	40,0	30,0	400V	8.733,38
PSSTG405	180REC78/07	50,0	37,0	400V	9.347,63
PSSTG406	180REC78/08	60,0	44,0	400V	10.149,19
PSSTG408	180REC78/10	75,0	55,0	400V	12.279,38
PSSTG410	180REC78/13	90,0	66,0	400V	14.475,38
PSSTG411	180REC78/14	100,0	75,0	400V	16.040,25

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	3.282,75
PSSTG421*	180SEC90/2DR10	12,5	9,2	400V	3.672,00
PSSTG422*	180SEC90/2DR5	15,0	11,0	400V	3.878,00
PSSTG423	180SEC90/2	17,5	13,0	400V	3.957,53
PSSTG424*	180SEC90/3DR10	20,0	15,0	400V	4.526,00
PSSTG425	180SEC90/3	25,0	18,5	400V	4.775,51
PSSTG426*	180SEC90/4DR5	30,0	22,0	400V	5.823,00
PSSTG427	180SEC90/4	35,0	26,0	400V	6.507,00
PSSTG428	180SEC90/5	40,0	30,0	400V	6.948,34
PSSTG429	180SEC90/6	50,0	37,0	400V	9.106,43
PSSTG430	180SEC90/7	60,0	44,0	400V	10.309,39
PSSTG431	180SEC90/8	75,0	55,0	400V	11.171,93
PSSTG432	180SEC90/9	75,0	55,0	400V	11.461,05
PSSTG433	180SEC90/10	90,0	66,0	400V	12.634,31
PSSTG434	180SEC90/11	90,0	66,0	400V	12.930,19
PSSTG435	180SEC90/12	100,0	75,0	400V	14.336,33
PSSTG436	180SEC90/13	100,0	75,0	400V	14.620,50
PSSTG437	180SEC90/14	125,0	92,0	400V	16.155,56
PSSTG438	180SEC90/15	125,0	92,0	400V	16.435,13

*While stocks last

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	3.283,31
PSSTG441*	180SEC102/2DR10	15	11	400V	3.878,00
PSSTG442*	180SEC102/2DR5	17,5	13	400V	3.953,00
PSSTG443	180SEC102/2	20	15	400V	4.220,44
PSSTG444*	180SEC102/3DR5	25	18,5	400V	4.771,00
PSSTG445	180SEC102/3	30	22	400V	5.519,03
PSSTG446*	180SEC102/4DR5	35	26	400V	6.500,00
PSSTG447	180SEC102/4	40	30	400V	6.649,31
PSSTG448	180SEC102/5	50	37	400V	7.417,69
PSSTG449	180SEC102/6	60	44	400V	10.020,38
PSSTG450	180SEC102/7	75	55	400V	10.892,81
PSSTG451	180SEC102/8	75	55	400V	12.300,00
PSSTG452	180SEC102/9	90	66	400V	12.355,31
PSSTG453	180SEC102/10	100	75	400V	13.761,56
PSSTG454	180SEC102/11	100	75	400V	14.056,88
PSSTG455	180SEC102/12	125	92	400V	15.593,63
PSSTG456	180SEC102/13	125	92	400V	15.878,25

*While stocks last

Price List



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	275,63
PMTM031	S4MOM007	Single-phase 230V	0,75	0,56	20	289,13
PMTM032	S4MOM010	Single-phase 230V	1,00	0,75	25	298,13
PMTM033	S4MOM015	Single-phase 230V	1,50	1,10	35	329,63
PMTM034	S4MOM020	Single-phase 230V	2,00	1,50	40	394,88
PMTM035	S4MOM030	Single-phase 230V	3,00	2,20	50	495,00
PMTT030	S4MOT005	Three-phase 400V	0,50	0,37		263,25
PMTT031	S4MOT007	Three-phase 400V	0,75	0,56		265,50
PMTT032	S4MOT010	Three-phase 400V	1,00	0,75		275,63
PMTT033	S4MOT015	Three-phase 400V	1,50	1,10		303,75
PMTT034	S4MOT020	Three-phase 400V	2,00	1,50		347,63
PMTT035	S4MOT030	Three-phase 400V	3,00	2,20		444,38
PMTT036	S4MOT040	Three-phase 400V	4,00	3,00		644,63
PMTT037	S4MOT055	Three-phase 400V	5,50	4,00		752,63
PMTT038	S4MOT075	Three-phase 400V	7,50	5,50		888,75
PMTT039	S4MOT100	Three-phase 400V	10,00	7,50		1.146,38

> Water Bath Motors

NEW

6"

Code	Type	Power supply	HP	Kw	€
PMTT108	S6MAT050	Three-phase 400V	5,5	4	1.870,00
PMTT109	S6MAT075	Three-phase 400V	7,5	5,5	1.866,38
PMTT110	S6MAT100	Three-phase 400V	10	7,5	1.969,88
PMTT111	S6MAT125	Three-phase 400V	12,5	9,2	2.108,25
PMTT112	S6MAT150	Three-phase 400V	15	11	2.215,13

Code	Type	Power supply	HP	Kw	€
PMTT113	S6MAT200	Three-phase 400V	20	15	2.588,63
PMTT114	S6MAT250	Three-phase 400V	25	18,5	2.745,00
PMTT115	S6MAT300	Three-phase 400V	30	22	3.085,88
PMTT121	S6MAT300	Three-phase 400V	35	26	3.841,14
PMTT116	S6MAT400	Three-phase 400V	40	30	4.012,88
PMTT117	S6MAT500	Three-phase 400V	50	37	5.341,50

8"

Code	Type	Power supply	HP	Kw	€
PMTT138	S8MAT040	Three-phase 400V	40	30	5.596,88
PMTT139	S8MAT050	Three-phase 400V	50	37	6.600,00
PMTT140	S8MAT060	Three-phase 400V	60	44	7.062,75
PMTT141	S8MAT075	Three-phase 400V	75	55	7.646,63
PMTT142	S8MAT090	Three-phase 400V	90	66	8.539,88
PMTT143	S8MAT100	Three-phase 400V	100	75	9.667,13
PMTT144	S8MAT125	Three-phase 400V	125	92	10.924,88

Electric Pumps > Close Coupled Centrifugal

> NM - Threaded



DESCRIPTION

- Single impeller
- Flow-rate: 16 ÷ 140 l/m
- Head up: 47 ÷ 16,3 mH2O
- Ports: threaded PN 10 - 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	183,87
POC004	NM 2/A/A	1	241,34

Code	Type	HP	€
POC005	NM 3/C/A	1,5	396,04
POC006	NM 3/B/A	2	451,74

SINGLE-PHASE 230 V

Code	Type	HP	€
POC030	NMM 1/A/E	0,5	183,87
POC033	NMM 2/A/A	1	241,34

Code	Type	HP	€
POC034	NMM 3/C/E	1,5	435,81
POC035	NMM 3/B/E	2	537,48

> 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 PN 10 - 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	280,38
POC053	NMD 20/140B/A	1,5	434,94
POC054	NMD 20/140A/A	2	460,58

Code	Type	HP	€
POC062	NMD 40/180D/B	5,5	1.175,78
POC063	NMD 40/180C/A	7,5	1.380,38
POC064	NMD 40/180B/A	10	1.547,94
POC065	NMD 40/180A/B	12,5	1.807,25

SINGLE-PHASE 230 V

Code	Type	HP	€
POC068	NMDM 20/110A/A	1	280,38
POC069	NMDM 20/140B/E	1,5	434,94
POC070	NMDM 20/140A/E	2	547,22

> NM - Three-phase - Flanged



DESCRIPTION

- Single impeller
- Flow-rate: 110 ÷ 2350 l/m
- Head up 80,5 ÷ 9,2 mH2O
- Ports: flanged PN 16
- 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 32/125/A	2	504,80
POC085	NM 32/16A/B	3	612,62
POC087	NM 32/20C/A	4	744,35
POC088	NM 32/20A/B	5,5	845,99

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	578,11
POC092	NM 40/16C/C	3	632,08
POC093	NM 40/16B/B	4	709,00
POC094	NM 40/16A/C	5,5	828,30
POC095	NM 40/20D/B	5,5	875,18
POC096	NM 40/20C/B	5,5	875,18
POC097	NM 40/20B/A	7,5	1.190,99
POC098	NM 40/20A/A	10	1.293,90

Code	Type	HP	€
POC106	NM 50/16B/B	7,5	1.167,32
POC107	NM 50/16A/B	10	1.264,74
POC108	NM 50/20B/C	12,5	1.769,18
POC109	NM 50/20A/C	15	1.968,77
POC110	NM 50/20S/C	20	2.210,41
POC111	NM 50/25C/C	15	2.170,20
POC112	NM 50/25B/C	20	2.409,67
POC113	NM 50/25A/C	25	2.946,45

Code	Type	HP	€
POC114	NM 65/12E/C	5,5	909,65
POC115	NM 65/12C/B	7,5	1.232,87
POC116	NM 65/12A/B	10	1.326,64
POC117	NM 65/16D/B	10	1.344,86
POC119	NM 65/16B/C	15	1.978,41
POC121	NM 65/16A/B	20	2.219,38
POC122	NM 65/20C/C	20	2.311,29
POC123	NM 65/20B/C	25	2.841,42

Price List



Electric Pumps > Vertical Multi-Stage Close Coupled

> MXV-B - Three-phase - Threaded



Code	Type	HP	€
POC251	MXV-B 25-204	1	713,78
POC254	MXV-B 25-207/A	1,5	819,90
POC256	MXV-B 25-210/A	2	914,06
POC259	MXV-B 32-405/A	1,5	763,41
POC261	MXV-B 32-407/A	2	837,02
POC263	MXV-B 32-410/B	3	934,59
POC264	MXV-B 40-803/A	1,5	759,44
POC265	MXV-B 40-804/A	2	782,27
POC267	MXV-B 40-806/B	3	871,24
POC269	MXV-B 40-808/A	4	1.001,29
POC270	MXV-B 40-810/B	5	1.144,90

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

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"

Electric Pumps > Horizontal Multi-Stage Close Coupled

> MXH - Threaded



THREE-PHASE 230/400 V

Code	Type	HP	€
POC155	MXH 402/E	0,6	282,90
POC156	MXH 403/A	0,75	382,22
POC157	MXH 404/B	1	414,21
POC158	MXH 405/C	1,5	491,69
POC159	MXH 406/A	2	590,87

SINGLE-PHASE 230 V

Code	Type	HP	€
POC165	MXHM 402/E	0,6	282,90
POC166	MXHM 403/A	0,75	382,22
POC167	MXHM 404/A	1	414,23
POC168	MXHM 405	1,5	572,51
POC169	MXHM 406	2	636,11

DESCRIPTION

Specifics

- Multi-stage close coupled
- Flow-rate: 38 ÷ 133 l/m
- Head up: 68,5 ÷ 6 mH2O
- Ports: threaded PN 10 - 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	243,10
POC179	MXP 403/A	0,75	278,46
POC180	MXP 404/B	1	309,38
POC181	MXP 405	1,5	377,39

SINGLE-PHASE 230 V

Code	Type	HP	€
POC186	MXPM 402	0,6	243,10
POC187	MXPM 403/A	0,75	278,46
POC188	MXPM 404/A	1	309,38
POC189	MXPM 405	1,5	377,39

DESCRIPTION

Specifics

- Multi-stage close coupled
- Flow-rate: 38 ÷ 120 l/m
- Head up: 56 ÷ 5 mH2O
- Ports: threaded PN 10 - 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

Electric Pumps > Horizontal Multi-Stage Close Coupled

> MGP - Threaded



THREE-PHASE 230/400 V

Code	Type	HP	€
POC194	MGP 402	0,6	207,13
POC195	MGP 403	0,75	242,36
POC196	MGP 404/A	1	273,90
POC197	MGP 405	1,5	340,85

SINGLE-PHASE 230 V

Code	Type	HP	€
POC202	MGPM 402	0,6	207,13
POC203	MGPM 403	0,75	242,36
POC204	MGPM 404	1	273,90
POC205	MGPM 405	1,5	340,85

DESCRIPTION

Specifics

- Multi-stage close coupled
- Flow-rate: 38 ÷ 120 l/m
- Head up: 56 ÷ 5 mH2O
- Ports: threaded PN 10 - 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	190,88
POC211	NGX 3/100	0,9	226,18
POC212	NGX 4/110	1	243,84
POC213	NGX 4/16	1,5	387,12
POC219	NGX 6/18/A	2	493,18

SINGLE-PHASE 230 V

Code	Type	HP	€
POC221	NGXM 2/80	0,75	190,88
POC222	NGXM 3/100	0,9	226,18
POC223	NGXM 4/110	1	243,84
POC224	NGXM 4/16	1,5	387,12
POC230	NGXM 6/18	2	493,18

DESCRIPTION

Specifics

- Self-priming close coupled
- Built-in ejector
- Flow-rate: 5 ÷ 100 l/m
- Head up: 58 ÷ 19,1 mH2O
- Ports: threaded PN 10 - 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	177,64
POC232	NGL 3/100	0,9	212,94
POC234	NGL 4/110	1	230,60

SINGLE-PHASE 230 V

Code	Type	HP	€
POC235	NGLM 2/80	0,75	177,64
POC236	NGLM 3/100	0,9	212,94
POC238	NGLM 4/110	1	230,60

DESCRIPTION

Specifics

- Self-priming close coupled
- Built-in ejector
- Flow-rate: 5 ÷ 75 l/m
- Head up: 41,6 ÷ 19,1 mH2O
- Ports: threaded PN 10 - 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)

Price List



Electric Pumps > Drainage

> GM10 - Submersible



Code	Type	HP	€
POC290	GM10	0,40	198,18

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	221,75
POC294	GXR 11	0,5	260,57
POC295	GXR 13	0,6	286,89

SINGLE-PHASE 230 V

Code	Type	HP	€
POC296	GXR 9	0,33	221,75
POC297	GXR 11	0,5	260,57
POC298	GXR 13	0,6	286,89

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	527,84
POC302	GXR 12-14	1	631,11
POC304	GXR 12-18	1,5	757,33
POC305	GXR 12-20	2	837,65

SINGLE-PHASE 230 V

Code	Type	HP	€
POC307	GXR 12-12	0,75	527,84
POC308	GXR 12-14	1	631,11
POC310	GXR 12-18	1,5	757,33
POC311	GXR 12-20	2	929,45

DESCRIPTION

Specifics

- Submersible with open single-impeller
- Flow-rate: 50 ÷ 500 l/m
- Head up: 19,2 ÷ 3,2 mH2O
- Ports: threaded PN 10 - 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

Electric Pumps > Drainage

> GQR10 - Submersible - Threaded



Code	Type	HP	€
POC316	GQR 10-12	0,75	371,05
POC317	GQR 10-14	1	384,71
POC319	GQR 10-18	1,5	428,14
POC320	GQR 10-20	2	471,58

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	371,05
POC378	GQRM 10-14	1	384,71
POC379	GQRM 10-18	1,5	459,18
POC380	GQRM 10-20	2	530,09

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	765,87
POC331	GQG 6-21 CG	1,5	813,15
POC332	GQG 6-25 CG	2	1.061,34

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	673,67
POC334	GXRM 6-21 CG	1,5	720,95
POC335	GXRM 6-25 CG	2	969,15

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

Price List



Electric Pumps > Assembled Pressurization Systems

> 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
230 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	1.899,32
SGP124	BS2F 2x MXP 404/B	1 + 1	1.942,78
SGP125	BS2F 2x MXP 405	1,5 + 1,5	2.078,77

SINGLE-PHASE 230 V

Code	Type	HP	€
SGP133	BS2F 2x MXPM 403/A	0,75 + 0,75	1.683,04
SGP134	BS2F 2x MXPM 404/B	1 + 1	1.726,49
SGP135	BS2F 2x MXPM 405	1,5 + 1,5	1.862,50

> 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	3.142,76
SGP254	BS2F 2x MXV-B 40-806/B	3 + 3	3.337,04
SGP256	BS2F 2x MXV-B 40-808/A	4 + 4	3.588,64

Pumps with Overgear >



> 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	3.330,00
POR303	T3-100A	100	80	545 x 5,85	3.135,00
POR310	T4-100	100	80	540 X 5,93	4.750,00
POR307	T4-125	125	100	550 X 5,47	4.290,00

> Pumps with Overgear Accessories

Code	Model		Installable pump	€	
ZVR202	Pump cart	CT-2/CT-3	POR302 - POR303	1.100,00	
ZVR227	Pump cart	CT-4	POR310 - POR307	1.210,00	
PAM001	Membrane priming pump			151,00	

> Pump Support

Code	Description	€	
ZVR024	Support for pumps with 3 drilled points with bearing for suction tube and winch for lifting the tube	2.190,00	

Price List



Accessories >

> Tanks

HORIZONTAL TANKS

Code	Type	Cap. liters	€	
OSB100	CON 300	300	232,96	
OSB105	CON 2000	2.000	908,32	
OSB110	CON 3000	3.000	1.332,80	
OSB115	CON 5000	5.000	1.915,20	
OSB116	CON 10000	10.000	7.070,56	

MIX TANKS

Code	Type	Cap. liters	€	
OSB889	MIX120	120	168,00	
OSB990	MIX325	325	320,32	
OSB991	MIX550	550	479,36	
OSB992	MIX1070	1.070	937,44	

Note: other models with different dimensions/capacity available on request

UNDERGROUND TANKS

Code	Type	Cap. liters	€	
OSB842	INVS1500	1.360	1.153,60	
OSB844	INVS3000	3.107	2.072,00	
OSB845	INVS4000	4.200	2.297,12	
OSB847	INVS5000	5.110	3.101,28	
OSB848	INVS6000	5.983	3.539,20	
OSB849	INVS10000	10.000	5.734,40	
OSB830	INCON 2000	1.950	1.657,60	
OSB831	INCON 3000	2.970	2.340,80	

SNAKE LARGE VOLUMES TANKS

Code	Type	Cap. liters	€	
OSB870	INSM 10.000	10.000	6.944,00	
OSB871	INSM 15.000	15.000	10.752,00	
OSB872	INSM 20.000	20.000	14.224,00	
OSB873	INSM 30.000	30.000	20.944,00	
OSB874	INSM 40.000	40.000	29.904,00	
OSB875	INSM 50.000	50.000	41.216,00	

PANETTONE TANKS

Code	Type	Cap. liters	€	
OSB753	PAN 2000	2.050	768,32	
OSB754	PAN 3000	3.050	953,12	
OSB755	PAN 5000	4.950	1.541,12	

VERTICAL TANKS

Code	Type	Cap. liters	€	
OSB400	NSV 100	100	183,68	
OSB401	NSV 300	300	228,48	
OSB407	NSV 3000	3.000	1.090,88	
OSB408	NSV 4000	4.000	1.402,24	

GAS THREADED TANK FITTINGS

Code	Type	Tank fitting	Gas thread	€	
RAT100	Tanks adapter	S60 x 6 (60 mm, ridge distance 6 mm)	1" M	18,50	
RAT101	Tanks adapter	S60 x 6 (60 mm, ridge distance 6 mm)	1" F	18,50	



Hansen tank fittings see page 220



Price List

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
- Thermic protection

- Running capacitor

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	56,00
ESA010	SA 0,75 6A 20	Starting box SA-0,75 6A-20mF	4"	6	20	58,00
ESA020	SA 1,00 8A 25	Starting box SA-1,00 8A-25mF	4"	8	25	62,00
ESA053	SA 1,50 12A 35	Starting box SA-1,5 12A-35mF	4"	12	35	61,00
ESA040	SA 2,00 16A 40	Starting box SA-2,0 16A-40mF	4"	16	40	66,00
ESA054	SA 0,75 6A 16	Starting box SA-0,75 6A-16mF	5"	6	16	59,00
ESA055	SA 1,00 8A 20	Starting box SA-1,00 8A-20mF	5"	8	20	59,00
ESA056	SA 1,00 10A 30	Starting box SA-1,00 10A-30mF	5"	10	30	61,00
ESA057	SA 1,50 10A 30	Starting box SA-1,50 10A-30mF	5"	10	30	61,00
ESA058	SA 2,00 14A 35	Starting box SA-2,0 14A-35mF	5"	14	35	66,00

> 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)
- Command by control unit
- Thermic protection

- Running capacitor (predisposition)
- Primary and secondary circuits protection fuses
- 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	953,00	EQEM-F/M1	1	670,00
EQEM-H/M1,5	1,5	953,00	EQEM-F/M1,5	1,5	682,00
EQEM-H/M2	2	992,00	EQEM-F/M2	2	682,00

Price List



Accessories >

> 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
- Command 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	853,00
EQEM-G/T4	EQET4	4	400 V 50 Hz	853,00
EQEM-G/T5.5	EQET5.5	5,5	400 V 50 Hz	853,00
EQEM-G/T7.5	EQET7.5	7,5	400 V 50 Hz	885,00
EQEM-G/T10	EQET10	10	400 V 50 Hz	885,00
EQEM-G/T12.5	EQET12.5	12,5	400 V 50 Hz	896,00
EQEM-G/T15	EQET15	15	400 V 50 Hz	1.142,00
EQEM-G/T25	EQET25	25	400 V 50 Hz	1.503,00

GMP VERSION (G VERSION + MINIMUM PRESSURE PROTECTION)

Code	Type	HP	Power supply	€
EQEM-G/MPT3	EQET3	3	400 V 50 Hz	1.270,00
EQEM-G/MPT4	EQET4	4	400 V 50 Hz	1.270,00
EQEM-G/MPT5.5	EQET5.5	5,5	400 V 50 Hz	1.270,00
EQEM-G/MPT7.5	EQET7.5	7,5	400 V 50 Hz	1.309,00
EQEM-G/MPT10	EQET10	10	400 V 50 Hz	1.348,00
EQEM-G/MPT12.5	EQET12.5	12,5	400 V 50 Hz	1.348,00
EQEM-G/MPT15	EQET15	15	400 V 50 Hz	1.348,00
EQEM-G/MPT25	EQET25	25	400 V 50 Hz	1.655,00

H VERSION (G VERSION + AUTOMATIC MAKE UP)

Code	Type	HP	Power supply	€
EQEM-H/T3	EQET3	3	400 V 50 Hz	958,00
EQEM-H/T4	EQET4	4	400 V 50 Hz	958,00
EQEM-H/T5.5	EQET5.5	5,5	400 V 50 Hz	958,00
EQEM-H/T7.5	EQET7.5	7,5	400 V 50 Hz	1.099,00
EQEM-H/T10	EQET10	10	400 V 50 Hz	1.099,00
EQEM-H/T12.5	EQET12.5	12,5	400 V 50 Hz	1.099,00
EQEM-H/T15	EQET15	15	400 V 50 Hz	1.145,00
EQEM-H/T25	EQET25	25	400 V 50 Hz	1.674,00

HMP VERSION (H VERSION + MINIMUM PRESSURE PROTECTION)

Code	Type	HP	Power supply	€
EQEM-H/MPT3	EQET3	3	400 V 50 Hz	1.831,00
EQEM-H/MPT4	EQET4	4	400 V 50 Hz	1.831,00
EQEM-H/MPT5.5	EQET5.5	5,5	400 V 50 Hz	1.831,00
EQEM-H/MPT7.5	EQET7.5	7,5	400 V 50 Hz	1.888,00
EQEM-H/MPT10	EQET10	10	400 V 50 Hz	1.927,00
EQEM-H/MPT12.5	EQET12.5	12,5	400 V 50 Hz	1.927,00
EQEM-H/MPT15	EQET15	15	400 V 50 Hz	1.967,00



Price List

Accessories >

> 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

- 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	266,00
EQE526	S-UP-T/10HP	10	400 V 50 HZ	350,00
EQE525	S-UP-T/15HP	15	400 V 50 HZ	378,00
EQE529	S-UP-T/20HP	20	400 V 50 HZ	470,00

> 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	322,00
EQE532	D-UP-T/10HP	10	400 V 50 HZ	482,00
EQE541	D-UP-T/15HP	15	400 V 50 HZ	1.040,00
EQE542	D-UP-T/20HP	20	400 V 50 HZ	1.172,00

Price List



Accessories >

> 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	357,00
EQE591	DO-UP-T/10HP	10	400 V 50 HZ	430,00
EQE592	DO-UP-T/15HP	15	400 V 50 HZ	490,00
EQE593	DO-UP-T/20HP	20	400 V 50 HZ	551,00

> Electronic Panels Accessories

Code	Description	€
KRL001	Preassembled kit: pump command mini relay - 24 V AC for Simplex and Domino Duplex panel Add to the price while placing order of the electrical panel command	84,00

> Submersible Pumps Neoprene Electric Cables - H07 RN_F

Code	Type	Voltage	€
CVN016	4 x 1,0 mm ²	400V T	3,13
CVN012	4 x 1,5 mm ²	400V T	3,55
CVN010	4 x 2,5 mm ²	400V T	5,27
CVN008	4 x 4,0 mm ²	400V T	6,78
CVN011	4 x 6,0 mm ²	400V T	10,22
CVN019	4 x 10,0 mm ²	400V T	17,99
CVN023	4 x 16,0 mm ²	400V T	26,03
CVN017	4 x 25,0 mm ²	400V T	39,33
CVN001	3 x 1 mm ²	230V M	2,42
CVN002	3 x 1,5 mm ²	230V M	2,68
CVN003	3 x 2,5 mm ²	230V M	3,69



> Electric Cables Watertight Joints

Code	Description	Specifics mm ²	€
EKIT001	Joint kit	4 X 1 - 2,5	30,00
EKIT003	Joint kit	4 X 4 - 6	45,00
EKIT005	Joint kit	4 X 4 - 10	54,00
EKIT007	Joint kit	4 X 4 - 16	63,00
GIUNTA8	Watertight assembled joint	4 x 1	84,00
GIUNTA7	Watertight assembled joint	4 x 1,5	84,00
GIUNTA9	Watertight assembled joint	4 x 2,5	84,00
GIUNTA10	Watertight assembled joint	4 x 4	96,00
GIUNTA11	Watertight assembled joint	4 x 6	134,00
GIUNTA12	Watertight assembled joint	4 x 10	134,00
GIUNTA13	Watertight assembled joint	4 x 16	191,00
GIUNTA14	Watertight assembled joint	4 x 25	276,00



Watertight joints for different cable diameters available on request



Price List

Accessories >

> Emotron Series Inverter



Code	Kw	Hp	Amp	€
EIV051	1,5	2	4,00	1.340,00
EIV052	2,2	3	6,00	1.575,00
EIV053	3	3	7,50	1.638,00
EIV054	4	5	9,50	1.707,00
EIV055	5,5	7,5	10,00	1.800,00
EIV056	7,5	10	18,00	2.002,00
EIV057	11	15	26,00	2.478,00
EIV058	15	20	31,00	2.988,00
EIV059	18,5	25	37,00	3.548,00
EIV060	22	30	46,00	3.960,00
EIV061	30	40	61,00	5.054,00



> Vacon Series 100 Flow Inverter

Code	Kw	Hp	€
EIV214	1,1	1,5	1.454,00
EIV215	1,5	2,0	1.567,00
EIV216	2,2	3,0	1.683,00
EIV205	3,0	4,0	1.835,00
EIV217	4,0	5,0	2.037,00
EIV203	5,5	7,5	2.283,00
EIV207	7,5	10,0	2.700,00
EIV208	11,0	15,0	3.266,00
EIV218	15,0	20,0	3.901,00
EIV219	18,5	25,0	4.580,00
EIV220	22,0	30,0	5.232,00
EVR309	MBS 3000 pressure transducer - 0 ÷ 6 bar		305,00
EVR302	MBS 3000 pressure transducer - 0 ÷ 16 bar		305,00
EVR317	MBS 1900 pressure transducer - 0 ÷ 10 bar		168,00
EVR318	MBS 1900 pressure transducer - 0 ÷ 16 bar		168,00



> Press. and Flow Control Systems

Code	Type	€
EPS175	Flowsystem	118,00



Code	Type	Control pressure setting	€
EPS100	Presscontrol	1,2	122,00
EPS101	Presscontrol	2,2	125,00
EPS102	Presscontrol	3,0	129,00
EPS105	Presscontrol	2,2 automatic reset	135,00



Code	Type	Working pressure bar	€
EPS002	SFSG 2 bipolar pressure switch	1,4 ÷ 2,8	24,00
EPS003	SFYG 22 bipolar pressure switch	6 ÷ 8	50,00
EPS051	SFYG 32 bipolar pressure switch	8 ÷ 10,5	54,00



Code	Type	€
EPS006	Wired pressure switch, with 0,5 mt H05RN-F cable with forks and PS9C Shuko plug	23,00



Code	Type	€
KRA050	T-KIT 3-way Ø1" with pressure gauge and non-return valve	29,00



> Coelbo Inverter Series



Code	Description	€
EIV707	Inverter Speedbox sub 1112 mm - 1,5 Kw - 12 A	734,00
EIV708	Inverter Speedbox 1309 tt - 3 Kw - 9A	953,00
EIV709	Inverter Speedbox 1314 tt - 5,5 Kw - 14A	1.066,00



EPS140	Electronic pump regulator Switchmatic 2	91,00
EPS141	Three-phase electronic pump regulator Switchmatic 2t	185,00
EQE420	Single-phase Switchmatic 2 electric panel	415,00



> Inverter Sinusoidal Filters

Code	Description	€
EVR361	DW/DT sinusoidal filters 16A 520V AC 0-100Hz 7kW	728,00
EVR362	DW/DT sinusoidal filters 33A 520V AC 0-100Hz 16kW	1.092,00
EVR360	DW/DT sinusoidal filters 3A 520V AC 0-100Hz 22kW	2.002,00



Note: application is recommended for >70 mt pump/inverter distances

> Single-phase Motors Capacitors

Code	Capacitor µF	€
ECD009	16	11,00
ECD001	20	13,00
ECD002	25	14,00
ECD004	35	16,00
ECD005	40	18,00
ECD006	50	24,00
ECD007	60	26,00



Price List



Accessories >

> Level Control

Code	Description	€	
ESN100	Dry running control kit with 3 probes	259,00	
ESN001	Level probe	23,00	
ERL205	24 - 240V AC level relay	163,00	

Code	Description	Neoprene painted cable mt	€	
EGL011	Floating switches	2	19,00	
EGL012	Floating switches	5	25,00	
EGL013	Floating switches	10	35,00	
EGL014	Floating switches	15	41,00	
PVC coatet on request				

> Wells

Code	Description	Ø _{est}		foro	€	
		inches	mm			
RTS065	Wellhead in PVC with cable gland	3"		2"	93,00	
RTS066	Wellhead in PVC with cable gland	4"		1 1/4"	101,00	
RTS067	Wellhead in PVC with cable gland	4"		1 1/2"	101,00	
RTS068	Wellhead in PVC with cable gland	4"		2"	101,00	
RTS126	Wellhead in PVC with cable gland		100	1 1/2"	171,00	
RTS123	Wellhead in PVC with cable gland		125	2"	171,00	
RTS125	Wellhead in PVC with cable gland		125	2 1/2"	171,00	
RTS124	Wellhead in PVC with cable gland		125	3"	171,00	
RTS132	Wellhead in PVC with cable gland		140	1 1/2"	171,00	
RTS135	Wellhead in PVC with cable gland		160	1 1/4"	192,00	
RTS134	Wellhead in PVC with cable gland		160	2"	192,00	
RTS133	Wellhead in PVC with cable gland		160	3"	192,00	
RTS145	Wellhead in PVC with cable gland		180	3"	192,00	
RTS207	Wellhead in PVC with cable gland		200	1 1/2"	214,00	
RTS208	Wellhead in PVC with cable gland		200	2"	214,00	

Description	Ø	€	
Iron/wood pump well support saddles	1" ÷ 2"	58,00	
Iron/wood pump well support saddles	2 1/2" ÷ 6"	83,00	

> 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	82,00	
PAT158	SZ - 60 VERT	Vertical	60	256,00	
PAT160	SZ - 100 VERT	Vertical	100	432,00	
PAT161	SZ - 200 VERT	Vertical	200	761,00	
PAT162	SZ - 300 VERT	Vertical	300	949,00	
PAT164	SZ - 500 VERT	Vertical	500	1.585,00	

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	341,00	
PAT177	Pressurwave	Vertical	80	420,00	
PAT174	Pressurwave	Vertical	100	530,00	
PAT178	Pressurwave	Vertical	150	700,00	
PAT179	Challenge	Vertical	200	906,00	
PAT180	Challenge	Vertical	250	1.131,00	
PAT181	Challenge	Vertical	300	1.321,00	

Autoclaves accessories

Code	Description	€
PAC052	Check valve and pressure gauge kit	51,00
KRA005	1" hydraulic kit* for autoclaves	101,00
KRA004	Hydraulic kit* 1 1/2" for autoclaves	160,00

*Consisting of: galvanized fittings, pressure gauge, sectioning ball valves

FITTINGS



COMPRESSION FITTINGS
PVC FITTINGS
VARIOUS FITTINGS
METAL FITTINGS
FLAT FITTINGS
ACCESSORIES AND SPARE PARTS

Price List



Fittings > 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 1/2" M	100	0,40	
RMP814	Attachment with safety ring for heavy dripline	16 x 3/4" M	100	0,40	
RMP169	Attachment with safety ring for heavy dripline	20 x 1/2" M	100	0,42	
RMP170	Attachment with safety ring for heavy dripline	20 x 3/4" M	100	0,42	
RMP790	Elbow with safety ring for heavy dripline	16 x 1/2" M	100	0,63	
RMP792	Elbow with safety ring for heavy dripline	20 x 1/2" M	100	0,67	
RMP793	Tee with safety ring for heavy dripline	16 x 1/2" M x 16	100	0,77	
RMP798	Tee with safety ring for heavy dripline	20 x 1/2" M x 20	50	0,87	
RMP174	End of line cap with safety ring for heavy dripline	16	100	0,24	
RMP175	End of line cap with safety ring for heavy dripline	20	100	0,25	
RMP802	Sleeve with safety	16	100	0,14	
RMP803	Sleeve with safety	20	100	0,17	
RMP805	Departure from PE with safety	16	100	0,14	
RMP806	Departure from PE with safety	20	100	0,19	
RMP788	Elbow with hose connection safety ring	16	100	0,58	
RMP789	Elbow with hose connection safety ring	20	100	0,67	
RMP794	Tee with hose connection safety ring	16	100	0,72	
RMP795	Tee with hose connection safety ring	20	50	0,85	



Black push-in fittings for heavy dripline and PE pipe

Code	Description	Ø mm	Box	€/ea.	
RMP110	Threaded connection M PG	16 X 1/2"	100	0,11	
RMP111	Threaded connection M PG	20 X 1/2"	100	0,09	
RMP804	Departure from PE with thread	3/4"	100	0,26	
RMP115	Reduced sleeve	16 X 20	100	0,09	
RMP807	End of line cap with ring	16	1	0,17	
RMP808	End of line cap with ring	20	1	0,17	

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	0,87	
RTT201	End-of-line cap for tube and dripline with ring nut	20	25	0,87	
RMP180	Sleeve x PE and dripline 30 ÷ 40 mils	16	500	1,20	
RMP181	Sleeve x PE and dripline 30 ÷ 40 mils	20	350	1,36	
RMP182	Elbow x PE and dripline 30 ÷ 40 mils	16	400	1,25	
RMP183	Elbow x PE and dripline 30 ÷ 40 mils	20	300	1,50	
RMP184	Tee x PE and dripline 30 ÷ 40 mils	16	250	1,83	
RMP185	Tee x PE and dripline 30 ÷ 40 mils	20	180	2,31	
RMP186	Fitting M x PE and dripline 30 ÷ 40 mils	16 X 1/2"	700	0,77	
RMP187	Fitting M x PE and dripline 30 ÷ 40 mils	20 X 1/2"	500	0,92	
RMP188	Elbow x PE and dripline 30 ÷ 40 mils	16 x 1/2" M	550	1,08	
RMP189	Elbow x PE and dripline 30 ÷ 40 mils	20 x 1/2" M	400	1,25	
RMP190	Tee x PE and dripline 30 ÷ 40 mils	16 x 1/2" M x 16	300	1,57	
RMP191	Tee x PE and dripline 30 ÷ 40 mils	20 x 1/2" M x 20	240	1,78	
RMP192	Plug x PE and dripline 30 ÷ 40 mils	16	900	0,70	
RMP193	Plug x PE and dripline 30 ÷ 40 mils	20	600	0,79	

BROWN hose fittings for heavy dripline

Code	Description	Ø mm	Box	€/ea.	
RMP105	Sleeve	17	1	0,16	
RG0152	Elbow	17	1	0,33	
RTE055	"T" at 90°	17	1	0,33	
RCR001	Cross	17	1	1,14	
RMP123	Thread connection F with 2 outputs	17 X 3/4"	1	2,07	
RMP114	Thread connection M.	17 X 3/4"	1	0,45	
RG0154	Elbow with thread connection. M.	17 X 3/4"	1	0,51	
RMP125	M threaded bifurcation	17 X 3/4"	1	0,98	
RMP150	3-way F threaded connection	17 X 3/4"	1	2,07	
RMP124	F threaded connection with 4 outlets	17 X 3/4"	1	2,07	

Price List

Fittings > Dripline

PLASSON - IRRIFIT fittings for dripline and LDPE pipe

Code	Description	Ø mm	B.	€/each	
RBGI050	Sleeve	16 X 16	10	1,85	
RBGI051	Sleeve	20 X 20	10	2,07	
RGMI050	Male fitting	16 X 1/2"	10	1,25	
RGMI051	Male fitting	16 X 3/4"	10	1,25	
RGMI052	Male fitting	20 X 1/2"	10	1,36	
RGMI053	Male fitting	20 X 3/4"	10	1,36	
RGOI050	Elbow with threaded derivation F	16 X 1/2"	10	1,70	
RGOI051	Elbow with threaded derivation F	16 X 3/4"	10	1,70	
RGOI052	Elbow with threaded derivation M	16 X 1/2"	10	1,59	
RGOI053	Elbow with threaded derivation M	16 X 3/4"	10	1,59	
RGOI049	Elbow	16	10	2,54	
RMRI001*	Reduced sleeve	20 X 16	10	2,26	
RTFI050	Tee with threaded derivation F	16 X 1/2" X 16	10	2,49	
RTFI051	Tee with threaded derivation F	16 X 3/4" X 16	10	2,49	
RTFI052	Tee with threaded derivation F	20 X 1/2" X 20	10	2,61	
RTFI053	Tee with threaded derivation F	20 X 3/4" X 20	10	2,61	
RTMI081	Tee with threaded derivation M	16 X 3/4" X 16	10	2,60	
RTFI001	90° Tee	16	10	2,93	
RTFI002	90° Tee	20	10	3,64	
RTFI003*	90° reduced Tee	20 X 16 X 20	10	4,10	
RTFI016	90° reduced Tee	20 X 16 X 20	10	4,10	
RTFI017*	90° reduced Tee	25 X 16 X 25	10	5,35	
RTFI018*	90° reduced Tee	32 X 16 X 32	10	7,00	

*While stocks last

Accessories for dripline and pipe

Code	Description	Ø mm	Box	€/each	
RGS002	"S" support	16	1.000	0,04	
RGS001	"S" support	20	1.000	0,04	
RGS010	"S" support	25	500	0,09	
RGS011	"S" support		500	0,14	
RGS210	Spacer hook for screw mm 150	16	500	0,14	
RGS211	Spacer hook for screw mm 150	20	500	0,14	
RGS212	Spacer hook for screw mm 150	23-25	500	0,19	
RGS082	Removable hook for DropClip		500	0,05	
RGS083	Removable hook for DropClip	20	500	0,05	
RFS050	Reusable hose clip	16/17	100	0,25	
RTA066*	Dripline closing ring	16	500	0,22	
RMP143*	5/3 dripline adapter for hose	16/17	100	0,44	
RGS005	Brown hose clip spike for dripline or hose	16/17	100	0,16	
RGS020	Black hose clip spike for dripline or hose	16/20	100	0,15	
RGS021	Brown hose clip spike for dripline or hose	16/20	100	0,15	
RMP127	End line for dripline	16/17	1	0,24	
RMP128	End line for dripline	20	1	0,32	

*While stocks last

Price List



Fittings > 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	0,67	
RLF050	Start for Layflat for tape 22	14 mm	22 mm	600	1,22	
RMP624	Start PE hose for tape	7,5 mm	16 mm	800	0,39	
RMP811	Start PE hose for tape	7,5 mm	22 mm	600	0,67	
RMP611-S	Sleeve for tape		16 mm	500	0,36	
RMP650-S	Sleeve for tape		22 mm	350	0,76	
RMP620	¾" male threaded fitting for tape		¾" x 16 mm	500	0,39	
RMP630	¾" male threaded fitting for tape		¾" x 22 mm	400	0,55	
RMP639	Tee for Tape with male derivation ½"		16 x ½" M	300	1,22	
RMP640	Tee for Tape with male derivation ½"		22 x ½" M	200	1,73	
RMP641	Elbow for tape with male derivation ½"		16 x ½" M	550	1,11	
RMP642	Elbow for tape with male derivation ½"		22 x ½" M	450	1,34	
RLF001	Start layflat for pipe 10 mm	14 mm	10 mm	1.500	1,25	
RLF002	Screw cap for layflat hole ¾" Ø	14 mm		50	0,55	
RLF006	Screw cap for layflat hole ¾" Ø	19 mm		50	1,01	

T-SAL fittings

Code	Description	Hole Ø on pipeline	Ø	Box	€/each	
RLF024	Start layflat for T-SAL	14 mm	16 mm	500	0,61	
RLF025	Start layflat for T-SAL	14 mm	22 mm	400	1,11	
RLF007	Start layflat for T-SAL	19 mm	16 mm	400	1,08	
RLF008	Start layflat for T-SAL	19 mm	22 mm	350	1,13	
RMP616	Start pipe PE for T-SAL	7,5 mm	16 mm	3.200	0,33	
RMP618	Start pipe PE for T-SAL	7,5 mm	22 mm	1.600	0,40	
RMP626	Sleeve for T-SAL		16 mm	2.000	0,28	
RMP627	Sleeve for T-SAL		22 mm	1.000	0,52	
RMP777	¾" male thr. fitting x T-SAL		16 mm x ¾"	600	0,49	
RMP776	¾" male thr. fitting x T-SAL		22 mm x ¾"	500	0,72	
RMP631	Tee for T-SAL with male derivation ½"		16 x ½"	350	1,22	
RMP632	Tee for T-SAL with male derivation ½"		22 x ½"	250	1,73	
RMP637	Elbow for T-SAL with male derivation ½"		16 x ½"	700	1,11	
RMP638	Elbow for T-SAL with male derivation ½"		22 x ½"	500	1,34	
RMP597	Fine linea x T-SAL		16	100	0,36	
RMP598	Fine linea x T-SAL		22	100	0,56	

Note: ring colour shown here is purely indicative

Rivulis Progrid line



Code	Description	Hole Ø on pipeline	Ø	Box	€/each	
RMP608	Start Layflat for Tape 16	19 mm	16 mm	800	1,34	
RMP611	Sleeve for tape		16 mm	500	0,60	
RMP612	Sleeve for tape*		19 mm	800	0,78	
RMP650	Sleeve for tape		22 mm	350	1,20	
RMP775	¾" male threaded fitting for tape		¾" x 22 mm	500	0,89	

*While stocks last

Start fitting for Layflat

Code	Description	Hole Ø on pipeline	Ø	Box	€/each	
RLF010	Start Layflat for ¾" M	14 mm	¾"	1.000	0,83	
RLF013	Start Layflat for ¾" F	14 mm	¾"	450	0,83	
RLF009	Start Layflat for ¾" M	19 mm	¾"	1.000	1,22	
RLF014	Start Layflat for ¾" F	19 mm	¾"	400	2,67	



Price List

Fittings > Drippers

> Accessories and Fittings for Drippers

Code	Description	Ø mm	Box	€/each	
OAT011	Peg for pipe open	5	500	0,111	
OAT012	Peg for pipe closed	5	500	0,134	
RMP118	Straight coupling anchor/coupling	3	1.000	0,211	
RMP131	Straight coupling anchor/thread	3	1.000	0,324	
RTA065	Caps for 3 mm holes for PE BD hose		1.000	0,050	
RTE056*	Tee coupling anchor/coupling/coupling (big)		1.000	0,278	
RTE058	Tee coupling thread/thread/thread (small)		1.000	0,268	
RTE059	Tee coupling anchor/thread/thread (small)		1.000	0,311	

*While stocks last

Code	Description	Box	€/each	
OGV010	Mini valve A mod. anchor/anchor coupling	50	0,903	
OGV011	Mini valve B mod. thread/thread coupling	50	0,903	
OGV012	Mini valve C mod. anchor/thread coupling	50	0,903	
RMP136	90° fitting for single output micro-hose	100	0,071	
RMP135	Distributor fitting with 4 outlets	100	0,294	
RMP151	Distributor fitting with 2 outlets	100	0,294	
RMP152	Fitting for polytilene pipe with distributor	100	0,071	

> Micro-Hose

Code	Use	Material	Ø _{int/est} mm	Box mt	€/mt	
OTB004	Drippers	Black PVC	5/3	200	0,401	
OTB102	Drippers	White PE	5/3	200	0,410	

Price List



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	1,00	16 x 1/2"	RGFV098	500	20	1,01	16 x 1/2"	RGOV098	400	20	1,24	16 x 1/2"	RGOV117	400	20	1,32
16 x 3/4"	RGMV099	400	20	1,00	16 x 3/4"	RGFV099	400	20	1,01	16 x 3/4"	RGOV099	300	20	1,24	16 x 3/4"	RGOV118	360	20	1,32
20 x 1/2"	RGMV100	480	20	1,15	20 x 1/2"	RGFV100	500	20	1,25	20 x 1/2"	RGOV100	400	20	1,51	20 x 1/2"	RGOV119	400	20	1,38
20 x 3/4"	RGMV101	400	20	1,15	20 x 3/4"	RGFV101	400	20	1,25	20 x 3/4"	RGOV101	300	20	1,51	20 x 3/4"	RGOV145	360	20	1,38
25 x 1/2"	RGMV103	280	20	1,34	25 x 1/2"	RGFV102	240	20	1,49	25 x 1/2"	RGOV102	240	20	1,97	25 x 1/2"	RGOV146	240	20	1,71
25 x 3/4"	RGMV104	280	20	1,34	25 x 3/4"	RGFV104	280	20	1,49	25 x 3/4"	RGOV103	240	20	1,97	25 x 3/4"	RGOV125	240	20	1,71
25 x 1"	RGMV105	280	20	1,34	25 x 1"	RGFV105	240	20	1,49	25 x 1"	RGOV104	200	20	1,97	25 x 1"	RGOV126	200	20	1,71
32 x 1/2"	RGMV118	200	20	1,66	32 x 1/2"	RGFV114	200	20	1,93	32 x 1/2"	RGOV105	140	20	2,38	32 x 3/4"	RGOV128	150	15	2,20
32 x 3/4"	RGMV106	200	20	1,66	32 x 3/4"	RGFV106	200	20	1,93	32 x 3/4"	RGOV106	120	20	2,38	32 x 1"	RGOV129	120	20	2,20
32 x 1"	RGMV107	160	20	1,66	32 x 1"	RGFV107	160	20	1,93	32 x 1"	RGOV107	120	20	2,38	32 x 1 1/4"	RGOV130	100	20	2,20
32 x 1 1/4"	RGMV108	160	20	1,74	32 x 1 1/4"	RGFV108	160	20	2,01	32 x 1 1/4"	RGOV108	120	20	2,38	40 x 1"	RGOV131	60	10	3,52
40 x 3/4"	RGMV109	100	20	3,05	40 x 1"	RGFV109	105	15	3,22	40 x 1"	RGOV109	60	10	4,44	40 x 1 1/4"	RGOV132	60	10	3,52
40 x 1"	RGMV110	105	15	3,05	40 x 1 1/4"	RGFV110	90	15	3,22	40 x 1 1/4"	RGOV110	60	10	4,44	40 x 1 1/2"	RGOV133	60	10	3,52
40 x 1 1/4"	RGMV111	90	15	3,05	40 x 1 1/2"	RGFV111	90	15	3,67	50 x 1 1/2"	RGOV111	40	-	5,97	50 x 1 1/4"	RGOV134	40	-	4,75
40 x 1 1/2"	RGMV112	90	15	3,05	50 x 1 1/2"	RGFV112	60	-	4,25	63 x 2"	RGOV112	25	-	7,85	50 x 1 1/2"	RGOV135	38	-	4,75
50 x 1 1/4"	RGMV113	64	-	4,07	63 x 2"	RGFV113	35	-	5,97						50 x 2"	RGOV136	35	-	4,87
50 x 1 1/2"	RGMV114	64	-	4,07											63 x 2"	RGOV137	23	-	6,31
50 x 2"	RGMV115	62	-	4,07															
63 x 1 1/2"	RGMV116	44	-	5,73															
63 x 2"	RGMV117	44	-	5,73															

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	1,51	16	RTIV099	160	20	2,04	16	RGOV000	240	20	1,59	16	RTTV000	480	20	1,10
20	RBGV001	280	20	1,85	20	RTIV100	160	20	2,53	20	RGOV001	240	20	1,90	20	RTTV001	480	20	1,36
25	RBGV002	160	20	2,26	25	RTIV101	90	15	3,32	25	RGOV002	160	20	2,35	25	RTTV002	320	20	1,42
32	RBGV003	90	15	2,89	32	RTIV102	50	10	4,26	32	RGOV003	90	15	2,92	32	RTTV003	200	20	1,76
40	RBGV004	60	10	4,87	40	RTIV103	30	5	7,35	40	RGOV004	45	5	5,22	40	RTTV004	120	20	3,05
50	RBGV005	40	-	6,66	50	RTIV104	18	-	9,98	50	RGOV005	25	-	7,17	50	RTTV005	75	-	4,44
63	RBGV006	22	-	9,40	63	RTIV105	10	-	14,22	63	RGOV006	16	-	9,06	63	RTTV006	48	-	6,14

PN10 fittings

Bo. = box - B. = bag

Fittings

Compression Fittings > Green Line

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	2,07	16 x 1/2" x 16	RTFV098	200	20	1,75	20 x 16	RMRV007	280	20	2,07	20 x 16 x 20	RTRV001	160	20	3,04
16 x 3/4" x 16	RTMV099	200	20	2,07	16 x 3/4" x 16	RTFV099	160	20	1,75	25 x 20	RMRV008	200	20	2,24	25 x 20 x 25	RTRV002	120	20	3,56
20 x 1/2" x 20	RTMV100	200	20	2,18	20 x 1/2" x 20	RTFV100	200	20	2,16	32 x 20	RMRV009	160	20	2,73	25 x 32 x 25	RTRV003	80	20	4,47
20 x 3/4" x 20	RTMV101	200	20	2,18	20 x 3/4" x 20	RTFV101	160	20	2,16	32 x 25	RMRV010	120	20	2,80	32 x 20 x 32	RTRV004	60	15	4,47
25 x 1/2" x 25	RTMV102	120	20	2,75	25 x 1/2" x 25	RTFV102	120	20	2,89	40 x 20	RMRV011	80	20	4,82	32 x 25 x 32	RTRV005	60	15	4,49
25 x 3/4" x 25	RTMV103	120	20	2,75	25 x 3/4" x 25	RTFV103	120	20	2,89	40 x 25	RMRV012	90	10	4,82	40 x 25 x 40	RTRV006	35	5	6,54
25 x 1" x 25	RTMV104	120	20	2,75	25 x 1" x 25	RTFV104	120	20	2,89	40 x 32	RMRV013	80	10	4,82	40 x 32 x 40	RTRV007	30	5	6,54
32 x 3/4" x 32	RTMV106	75	15	3,52	32 x 1/2" x 32	RTFV105	70	10	3,62	50 x 20	RMRV014	60	-	6,31	50 x 25 x 50	RTRV008	20	-	8,60
32 x 1" x 32	RTMV107	70	10	3,52	32 x 3/4" x 32	RTFV106	70	10	3,62	50 x 25	RMRV015	60	-	6,31	50 x 32 x 50	RTRV009	20	-	8,60
32 x 1 1/4" x 32	RTMV108	60	10	3,52	32 x 1" x 32	RTFV107	70	10	3,62	50 x 32	RMRV016	60	-	6,31	50 x 40 x 50	RTRV010	20	-	8,95
40 x 1" x 40	RTMV109	35	5	5,97	40 x 1 1/4" x 40	RTFV108	60	10	3,62	50 x 40	RMRV017	47	-	6,31	63 x 32 x 63	RTRV011	12	-	12,15
40 x 1 1/4" x 40	RTMV110	35	5	7,06	40 x 1" x 40	RTFV109	40	5	6,51	63 x 25	RMRV018	48	-	8,84	63 x 40 x 63	RTRV012	12	-	12,15
50 x 1 1/4" x 50	RTMV111	23	-	8,49	40 x 1 1/4" x 40	RTFV110	40	5	6,51	63 x 32	RMRV019	48	-	8,84	63 x 50 x 63	RTRV013	12	-	12,15
50 x 1 1/2" x 50	RTMV112	23	-	8,49	50 x 1 1/2" x 50	RTFV111	25	-	8,71	63 x 40	RMRV020	32	-	8,84					
63 x 2" x 63	RTMV113	12	-	14,34	63 x 2" x 63	RTFV112	14	-	12,84	63 x 50	RMRV021	32	-	8,84					

Coupling fitting					Coupling elbow				
									
Ø	Code	Bo.	B.	€/each	Ø	Code	Bo.	B.	€/each
25 x 1"	RBFV001	200	20	1,97	25 x 1"	RGFV001	180	20	2,58
32 x 1"	RBFV002	160	20	2,27	32 x 1"	RGFV002	120	20	3,11

PN10 fittings

Bo. = box - B. = bag

Price List



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	1,05	16 x 1/2"	RGFI129	500	20	1,17	16 x 1/2"	RGOI098	400	20	1,39	16 x 1/2"	RGOI117	400	20	1,27
16 x 3/4"	RGMI099	400	20	1,05	16 x 3/4"	RGFI130	400	20	1,17	16 x 3/4"	RGOI099	300	20	1,39	16 x 3/4"	RGOI116	360	20	1,27
20 x 1/2"	RGMI100	280	20	1,36	20 x 1/2"	RGFI100	200	20	1,62	20 x 1/2"	RGOI100	220	20	1,83	20 x 1/2"	RGOI119	280	20	1,70
20 x 3/4"	RGMI101	280	20	1,36	20 x 3/4"	RGFI101	200	20	1,62	20 x 3/4"	RGOI101	200	20	1,83	20 x 3/4"	RGOI145	280	20	1,70
25 x 1/2"	RGMI103	160	10	1,66	25 x 1/2"	RGFI102	140	10	1,83	25 x 1/2"	RGOI102	120	10	2,33	25 x 1/2"	RGOI146	120	10	1,90
25 x 3/4"	RGMI104	140	10	1,66	25 x 3/4"	RGFI104	120	10	1,83	25 x 3/4"	RGOI103	120	10	2,33	25 x 3/4"	RGOI125	120	10	1,90
25 x 1"	RGMI105	140	10	1,65	25 x 1"	RGFI105	120	10	1,83	25 x 1"	RGOI104	100	10	2,33	25 x 1"	RGOI126	120	10	1,90
32 x 3/4"	RGMI106	100	10	2,07	32 x 3/4"	RGFI106	80	10	2,29	32 x 3/4"	RGOI106	90	10	2,77	32 x 3/4"	RGOI128	90	10	2,58
32 x 1"	RGMI107	100	10	2,07	32 x 1"	RGFI107	80	10	2,29	32 x 1"	RGOI107	80	10	2,77	32 x 1"	RGOI129	80	10	2,58
32 x 1 1/4"	RGMI108	100	10	2,18	40 x 1"	RGFI109	60	5	3,97	40 x 1 1/4"	RGOI110	40	5	5,45	40 x 1 1/4"	RGOI131	45	5	4,13
40 x 1"	RGMI110	60	5	3,81	40 x 1 1/4"	RGFI110	50	5	3,97	50 x 1 1/2"	RGOI113	20	5	7,28	50 x 1 1/2"	RGOI132	20	5	5,62
40 x 1 1/4"	RGMI111	60	5	3,81	40 x 1 1/2"	RGFI111	50	5	4,13	63 x 2"	RGOI115	20	-	9,84	63 x 2"	RGOI135	20	-	7,69
40 x 1 1/2"	RGMI112	50	5	3,81	50 x 1 1/2"	RGFI113	25	5	5,22	75 x 2 1/2"	RGOI118	8	-	17,66	75 x 2 1/2"	RGOI138	8	-	14,10
50 x 1 1/4"	RGMI113	30	5	5,00	63 x 1 1/2"	RGFI115	15	-	7,40	90 x 3"	RGOI121*	10	-	31,53	90 x 3"	RGOI141*	10	-	22,36
50 x 1 1/2"	RGMI115	30	5	5,00	63 x 2"	RGFI116	15	-	7,40	110 x 3"	RGOI123*	7	-	56,17	90 x 4"	RGOI142*	10	-	25,80
50 x 2"	RGMI130	30	5	5,00	75 x 2"	RGFI118	12	-	14,81	110 x 4"	RGOI124*	5	-	45,78	110 x 4"	RGOI144*	6	-	38,64
63 x 1 1/2"	RGMI116	25	-	7,08	75 x 2 1/2"	RGFI119	12	-	14,81										
63 x 2"	RGMI117	25	-	7,08	90 x 3"	RGFI123*	14	-	18,01										
63 x 2 1/2"	RGMI118	25	-	7,08	110 x 3"	RGFI127*	7	-	43,45										
75 x 2"	RGMI119	12	-	14,11	110 x 4"	RGFI128*	7	-	43,45										
75 x 2 1/2"	RGMI120	12	-	14,11															
90 x 2"	RGMI122*	13	-	20,07															
90 x 3"	RGMI124*	14	-	17,20															
90 x 4"	RGMI125*	13	-	20,07															
110 x 3"	RGMI128*	8	-	35,54															
110 x 4"	RGMI129*	7	-	35,54															

PN16 fittings - *PN12,5 fittings

Bo. = box - B. = bag

Compression Fittings > Blue line

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	1,69	16	RTII099	160	20	2,40	16	RGOI010	240	20	1,84	16	RTTI010	480	20	1,29
20	RBGI001	160	20	2,37	20	RTII100	100	20	3,22	20	RGOI001	160	20	2,47	20	RTTI001	320	20	1,67
25	RBGI002	80	10	2,80	25	RTII101	40	10	4,18	25	RGOI002	70	10	2,98	25	RTTI002	140	10	1,84
32	RBGI003	60	10	3,64	32	RTII102	50	10	5,51	32	RGOI003	50	10	3,73	32	RTTI003	120	10	2,24
40	RBGI004	40	5	5,91	40	RTII103	30	-	9,00	40	RGOI004	40	5	6,42	40	RTTI004	70	5	3,78
50	RBGI005	30	5	8,08	50	RTII104	10	-	12,15	50	RGOI005	15	5	8,95	50	RTTI005	30	5	5,62
63	RBGI006	10	-	11,15	63	RTII105	8	-	17,32	63	RGOI006	12	-	10,90	63	RTTI006	20	-	7,57
75	RBGI007	9	-	19,49	75	RTII106	6	-	30,15	75	RGOI007	6	-	21,10	75	RTTI007	15	-	17,54
90	RBGI008*	8	-	25,22	90	RTII107*	8	-	42,42	90	RGOI008*	8	-	26,37	90	RTTI008*	9	-	20,76
110	RBGI009*	6	-	51,59	110	RTII108*	4	-	73,37	110	RGOI009*	6	-	49,98	110	RTTI009*	5	-	40,81

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	2,13	16 x 1/2" x 16	RTMI098	200	20	2,00	16 x 20 x 16	RTRI001	160	20	3,39	20 x 16	RMRI006	280	20	2,09
16 x 3/4" x 16	RTFI099	160	20	2,13	16 x 3/4" x 16	RTMI099	200	20	2,00	20 x 16 x 20	RTRI021	160	20	3,39	25 x 20	RMRI008	120	10	2,64
20 x 1/2" x 20	RTFI100	120	20	2,73	20 x 1/2" x 20	RTMI100	120	20	2,70	25 x 20 x 25	RTRI020	50	10	4,36	32 x 25	RMRI010	80	10	3,44
20 x 3/4" x 20	RTFI101	100	20	2,74	20 x 3/4" x 20	RTMI101	120	20	2,70	25 x 32 x 25	RTRI002	40	10	5,73	40 x 25	RMRI011	45	5	5,97
25 x 1/2" x 25	RTFI102	60	10	3,53	25 x 1/2" x 25	RTMI102	60	10	3,44	32 x 25 x 32	RTRI003	50	10	5,73	40 x 32	RMRI012	45	5	5,97
25 x 3/4" x 25	RTFI103	60	10	3,53	25 x 3/4" x 25	RTMI103	60	10	3,44	40 x 32 x 40	RTRI005	35	5	9,17	50 x 40	RMRI014	25	5	7,46
25 x 1" x 25	RTFI104	60	10	3,53	25 x 1" x 25	RTMI104	60	10	3,44	50 x 40 x 50	RTRI008	25	5	13,53	63 x 32	RMRI016	15	-	10,90
32 x 3/4" x 32	RTFI106	60	10	4,60	32 x 3/4" x 32	RTMI106	50	10	4,47	63 x 50 x 63	RTRI012*	14	-	16,63	63 x 40	RMRI017	15	-	10,90
32 x 1" x 32	RTFI107	60	10	4,60	32 x 1" x 32	RTMI107	40	10	4,47	110 x 90 x 110	RTRI019*	4	-	77,39	63 x 50	RMRI018	10	-	10,90
40 x 1" x 40	RTFI108	40	5	7,77	40 x 1" x 40	RTMI109	40	5	7,75						75 x 63	RMRI019*	9	-	19,90
40 x 1 1/4" x 40	RTFI109	40	5	7,77	40 x 1 1/4" x 40	RTMI110	35	5	7,75						90 x 63	RMRI021*	12	-	28,44
50 x 1 1/2" x 50	RTFI128	12	5	11,00	50 x 1 1/2" x 50	RTMI114	10	5	10,90						90 x 75	RMRI022*	12	-	28,44
63 x 2" x 63	RTFI114	10	-	19,03	63 x 2" x 63	RTMI118	12	-	21,10						110 x 75	RMRI023*	6	-	62,48
75 x 2 1/2" x 75	RTFI117	8	-	28,09	75 x 2 1/2" x 75	RTMI121	9	-	26,37						110 x 90	RMRI024*	5	-	55,61
90 x 3" x 90	RTFI120*	8	-	41,27	90 x 3" x 90	RTMI124*	6	-	36,68										
110 x 3" x 110	RTFI123*	10	-	77,39	110 x 4" x 110	RTMI128*	6	-	58,47										
110 x 4" x 110	RTFI124*	5	-	63,05															

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.	€/each
20 x 20 x 20	FVII001	60	10	9,75	25 x 1"	RBF1001	110	10	3,04	63 x 2"	RFFI001	18	-	27,51	20 x 1/2"	RPMI001	120	20	5,00
25 x 25 x 25	FVII002	40	10	10,32	32 x 1"	RBF1002	80	10	3,41	75 x 3"	RFFI002	8	-	38,98	25 x 3/4"	RPMI002	60	10	5,73
32 x 32 x 32	FVII003	50	10	11,35	40 x 1"	RBF1003	50	5	4,82	90 x 4"	RFFI004*	4	-	51,59					
										110 x 4"	RFFI005*	4	-	124,96					

PN16 fittings - *PN12,5 fittings

Bo. = box - B. = bag

Price List



PLASSON

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	1,65	16 x 1/2"	RGFA020	500	10	1,87	16 x 1/2"	RGOA080	500	10	2,24	16 x 1/2"	RGOA110	600	10	2,27
16 x 3/4"	RGMA032	500	10	1,65	16 x 3/4"	RGFA021	500	10	1,87	20 x 1/2"	RGOA081	600	10	2,55	16 x 3/4"	RGOA111	600	10	2,27
20 x 1/2"	RGMA033	600	10	1,92	20 x 1/2"	RGFA022	600	10	2,09	20 x 3/4"	RGOA082	500	10	2,55	20 x 1/2"	RGOA112	600	10	2,27
20 x 3/4"	RGMA034	600	10	1,92	20 x 3/4"	RGFA023	600	10	2,09	25 x 1/2"	RGOA083	380	10	3,30	20 x 3/4"	RGOA113	600	10	2,27
25 x 1/2"	RGMA035	480	10	2,24	25 x 3/4"	RGFA024	400	10	2,55	25 x 3/4"	RGOA084	380	10	3,30	25 x 1/2"	RGOA114	400	10	2,77
25 x 3/4"	RGMA036	480	10	2,24	25 x 1"	RGFA025	400	10	2,55	25 x 1"	RGOA085	340	10	3,30	25 x 3/4"	RGOA115	400	10	2,77
25 x 1"	RGMA037	480	10	2,24	32 x 3/4"	RGFA026	280	10	3,22	32 x 3/4"	RGOA086	220	10	3,72	25 x 1"	RGOA116	400	10	2,77
32 x 3/4"	RGMA038	280	10	2,68	32 x 1"	RGFA027	230	10	3,22	32 x 1"	RGOA087	200	10	3,72	32 x 1/2"	RGOA117	240	10	3,46
32 x 1"	RGMA039	280	10	2,68	40 x 1"	RGFA028	150	1	4,92	32 x 1 1/4"	RGOA088	160	10	3,72	32 x 3/4"	RGOA118	240	10	3,46
32 x 1 1/4"	RGMA040	280	10	2,68	40 x 1 1/4"	RGFA029	150	1	4,92	40 x 1 1/4"	RGOA089	120	1	7,44	32 x 1"	RGOA119	240	10	3,46
40 x 1"	RGMA041	150	1	4,99	40 x 1 1/2"	RGFA030	150	1	4,92	40 x 1 1/2"	RGOA090	110	1	7,44	40 x 1"	RGOA120	120	1	5,57
40 x 1 1/4"	RGMA042	150	1	4,99	50 x 1 1/2"	RGFA031	90	1	6,87	50 x 1 1/2"	RGOA091	70	1	9,85	40 x 1 1/4"	RGOA121	120	1	5,57
40 x 1 1/2"	RGMA043	150	1	4,99	50 x 2"	RGFA032	90	1	6,87	50 x 2"	RGOA092	70	1	9,85	40 x 1 1/2"	RGOA122	120	1	5,57
50 x 1 1/2"	RGMA044	100	1	6,26	63 x 2"	RGFA033	60	1	9,94	63 x 2"	RGOA093	44	1	13,47	50 x 1 1/2"	RGOA123	70	1	7,08
50 x 2"	RGMA045	100	1	6,26	75 x 2"	RGFA034	28	1	21,42	75 x 2"	RGOA094	20	1	24,10	50 x 2"	RGOA124	70	1	7,08
63 x 2"	RGMA046	60	1	8,56	75 x 2 1/2"	RGFA035	28	1	21,42	75 x 2 1/2"	RGOA095	17	1	24,10	63 x 2"	RGOA125	48	1	10,57
75 x 2"	RGMA047	28	1	20,44	90 x 2"	RGFA036	14	1	25,02	75 x 3"	RGOA096	17	1	24,10	75 x 2 1/2"	RGOA126	18	1	23,53
75 x 2 1/2"	RGMA048	28	1	20,44	90 x 3"	RGFA037	14	1	25,02						75 x 3"	RGOA127	18	1	23,53
75 x 3"	RGMA049	25	1	20,44	90 x 4"	RGFA038	12	1	26,88						90 x 3"	RGOA128	12	1	29,55
90 x 2"	RGMA050	14	1	24,10	110 x 3"	RGFA039	8	1	59,16						110 x 4"	RGOA129	6	1	57,42
90 x 2 1/2"	RGMA051	14	1	24,10	110 x 4"	RGFA040	8	1	59,16										
90 x 3"	RGMA052	14	1	24,10															
110 x 2"	RGMA053	8	1	46,34															
110 x 3"	RGMA054	8	1	44,88															
110 x 4"	RGMA055	8	1	46,34															

PN10 fittings - • PN6 fittings

Bo. = box - B. = bag

Price List

Compression Fittings > Ecofit Series

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	2,68	16	RTEA010	200	10	3,55	16	RGOA009	350	10	2,77	25	RTTA010	520	10	2,51
20	RBGA016	500	10	3,37	20	RTEA011	250	10	4,60	20	RGOA010	440	10	3,46	32	RTTA011	330	10	3,09
25	RBGA017	300	10	3,96	25	RTEA012	170	10	5,73	25	RGOA011	250	10	4,12	40	RTTA012	180	1	4,99
32	RBGA018	160	10	4,99	32	RTEA013	100	5	7,38	32	RGOA012	150	10	5,14	50	RTTA013	100	1	7,44
40	RBGA019	100	1	8,32	40	RTEA014	60	5	12,36	40	RGOA013	90	1	8,93	63	RTTA014	60	1	10,10
50	RBGA020	60	1	10,66	50	RTEA015	32	2	16,32	50	RGOA014	50	1	11,99	75	RTTA015	28	1	25,53
63	RBGA021	40	1	14,33	63	RTEA016	20	2	22,28	63	RGOA015	32	1	14,72	90	RTTA016	16	1	32,29
75	RBGA022	16	1	31,82	75	RTEA017	8	1	43,51	75	RGOA016	12	1	30,58	110	RTTA017	10	1	68,33
90	RBGA023	8	1	39,39	90	RTEA018	5	1	60,24	90	RGOA017	8	1	37,95					
110	RBGA024	5	1	83,67	110	RTEA019	2	1	115,60	110	RGOA018	3	1	78,67					

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	2,93	20 x ½" x 20	RTMA020	300	10	3,67	20 x ½" x 20	RGOA150	350	10	4,55	20	RADA001	-	1	0,83
16 x ¾" x 16	RTFA031	240	10	2,93	20 x ¾" x 20	RTMA021	300	10	3,67	25 x ½" x 25	RGOA151	250	10	5,34	25	RADA002	-	1	0,97
20 x ½" x 20	RTFA032	320	10	3,55	25 x ½" x 25	RTMA022	220	10	4,84	25 x ¾" x 25	RGOA152	250	10	5,34	32	RADA003	-	1	1,55
20 x ¾" x 20	RTFA033	320	10	3,55	25 x ¾" x 25	RTMA023	220	10	4,84						40	RADA004	-	1	2,09
25 x ½" x 25	RTFA034	200	10	4,63	32 x ¾" x 32	RTMA024	120	5	6,08						50	RADA005	-	1	2,55
25 x ¾" x 25	RTFA035	200	10	4,63	32 x 1" x 32	RTMA025	120	5	6,08						63	RADA006	-	1	2,93
25 x 1" x 25	RTFA036	200	10	4,63	40 x 1" x 40	RTMA026	70	1	10,57										
32 x ½" x 32	RTFA037	120	5	5,73	40 x 1"¼ x 40	RTMA027	70	1	10,57										
32 x ¾" x 32	RTFA038	120	5	5,73	50 x 1"½ x 50	RTMA029	40	1	15,03										
32 x 1" x 32	RTFA039	120	5	5,73	50 x 2" x 50	RTMA030	40	1	15,03										
40 x 1" x 40	RTFA040	70	1	10,57	63 x 2" x 63	RTMA031	24	1	28,24										
40 x 1"¼ x 40	RTFA041	70	1	10,57															
40 x 1"½ x 40	RTFA042	60	1	10,57															
50 x 1"½ x 50	RTFA043	40	1	13,30															
50 x 2" x 50	RTFA044	40	1	13,30															
63 x 2" x 63	RTFA045	20	1	20,25															
75 x 2" x 75	RTFA046	8	1	35,26															
75 x 2"½ x 75	RTFA047	8	1	35,26															
75 x 3" x 75	RTFA048	8	1	35,26															
90 x 3" x 90	RTFA049	7	1	54,63															
110 x 4" x 110	RTFA050	4	1	82,38															

PN10 fittings - •PN6 fittings

Bo. = box - B. = bag

Price List



PLASSON

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"¼ 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	3,53	16	RTE001	220	10	4,62	16	RG0001	350	10	3,82	32	RG0015	100	5	9,78
20	RBG002	200	10	4,92	20	RTE002	120	10	6,37	20	RG0002	200	10	4,92	40	RG0016	60	1	16,32
25	RBG003	180	10	5,84	25	RTE003	100	5	8,46	25	RG0003	150	10	5,93	50	RG0017	40	1	22,08
32	RBG004	100	5	7,48	32	RTE004	60	5	10,89	32	RG0004	100	5	7,34	63	RG0014	24	1	29,71
40	RBG005	75	1	12,21	40	RTE005	40	1	18,00	40	RG0005	60	1	12,89	75	RG0019	12	1	60,78
50	RBG006	45	1	16,65	50	RTE006	25	1	24,32	50	RG0006	35	1	18,00	90	RG0018	8	1	69,99
63	RBG007	30	1	23,11	63	RTE007	16	1	34,58	63	RG0007	24	1	21,80	110	RG0021	4	1	143,32
75	RBG008	16	1	43,50	75	RTE008	7	1	60,06	75	RG0008	12	1	42,28					
90	RBG009	8	1	53,84	90	RTE009	5	1	83,20	90	RG0009	8	1	52,50					
110	RBG010	5	1	115,17	110	RTE010	2	1	162,04	110	RG0010	4	1	108,76					
125	RBG011	3	1	196,03															

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	6,01	20	RTT001	350	10	3,42	63	RTE015	10	1	44,97	20	RAM001	300	10	4,84
25	RBG101	150	10	7,04	25	RTT002	250	10	3,63	75	RTE016	5	1	78,18	25	RAM002	250	10	6,01
32	RBG102	80	5	9,16	32	RTT003	180	5	4,45	90	RTE017	4	1	108,57	32	RAM003	180	5	7,48
40	RBG103	55	1	14,58	40	RTT004	110	1	7,48	110	RTE018	2	1	210,89	40	RAM004	100	5	12,97
50	RBG104	30	1	20,11	50	RTT005	75	1	11,07						50	RAM005	70	1	17,88
63	RBG105	24	1	26,53	63	RTT006	45	1	15,09						63	RAM006	45	1	23,65
75	RBG106	16	1	50,73	75	RTT009	28	1	35,86										
90	RBG107	8	1	64,54	90	RTT007	16	1	40,95										
110	RBG108	5	1	132,29	110	RTT010	10	1	88,31										
125	RBG109	3	1	218,95															

PN16 fittings

Bo. = box - B. = bag

Compression Fittings > White/Black Series

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 3/8"	RGM031	600	10	2,34	16 X 1/2"	RGF001	500	10	2,18	20 x 1/2"	RG0050	350	10	3,17	16 x 1/2"	RG0020	500	10	2,92
16 x 1/2"	RGM001	500	10	2,34	16 X 3/4"	RGF002	500	10	2,18	20 x 3/4"	RG0051	300	10	3,17	20 x 1/2"	RG0022	350	10	3,63
16 x 3/4"	RGM002	500	10	2,34	20 X 1/2"	RGF003	350	10	2,99	25 x 1/2"	RG0062	240	10	3,85	20 x 3/4"	RG0023	300	10	3,63
20 x 1/2"	RGM003	350	10	2,80	20 X 3/4"	RGF004	350	10	2,99	25 x 3/4"	RG0052	250	10	3,85	25 x 1/2"	RG0024	250	10	4,54
20 x 3/4"	RGM004	350	10	2,80	20 X 1"	RGF005	300	10	3,17	25 x 1"	RG0061	240	10	3,85	25 x 3/4"	RG0025	250	10	4,54
20 x 1"	RGM005	350	10	2,99	25 X 3/4"	RGF007	250	10	3,53	32 x 1"	RG0053	140	5	5,07	25 x 1"	RG0026	220	10	4,54
25 x 1/2"	RGM006	250	10	3,17	25 X 1"	RGF008	250	10	3,53	40 x 1"	RG0060	90	1	8,10	32 x 3/4"	RG0028	150	5	5,39
25 x 3/4"	RGM007	250	10	3,17	32 X 3/4"	RGF009	150	5	4,45	40 x 1 1/4"	RG0054	90	1	8,10	32 x 1"	RG0029	150	5	5,39
25 x 1"	RGM008	250	10	3,17	32 X 1"	RGF010	150	5	4,45	40 x 1 1/2"	RG0058	80	1	8,10	32 x 1 1/4"	RG0030	120	5	7,79
32 x 3/4"	RGM009	150	5	4,15	32 X 1 1/4"	RGF011	140	5	6,30	50 x 1"	RG0063	55	1	10,41	40 x 1"	RG0032	100	1	10,64
32 x 1"	RGM010	150	5	4,15	40 X 1"	RGF012	110	1	7,79	50 x 1 1/4"	RG0055	55	1	10,41	40 x 1 1/4"	RG0033	90	1	10,64
32 x 1 1/4"	RGM011	150	5	4,54	40 X 1 1/4"	RGF013	110	1	7,79	50 x 1 1/2"	RG0056	55	1	11,07	40 x 1 1/2"	RG0034	80	1	10,64
32 x 1 1/2"	RGM032	140	5	5,02	40 X 1 1/2"	RGF014	100	1	7,79	63 x 1 1/4"	RG0069	35	1	15,40	40 x 2"	RG0035	65	1	10,92
40 x 1"	RGM012	110	1	7,55	50 X 1 1/4"	RGF022	75	1	10,58	63 x 1 1/2"	RG0066	35	1	15,40	50 x 1"	RG0042	70	1	14,16
40 x 1 1/4"	RGM013	110	1	7,55	50 X 1 1/2"	RGF015	70	1	10,58	63 x 2"	RG0057	35	1	15,40	50 x 1 1/4"	RG0041	60	1	14,16
40 x 1 1/2"	RGM014	100	1	7,55	50 X 2"	RGF016	70	1	10,58	75 x 2 1/2"	RG0064	18	1	32,57	50 x 1 1/2"	RG0036	60	1	14,16
40 x 2"	RGM015	100	1	7,90	63 X 1 1/4"	RGF027	48	1	14,94	75 x 3"	RG0065	18	1	32,57	50 x 2"	RG0037	45	1	14,16
50 x 1"	RGM034	70	1	9,96	63 X 1 1/2"	RGF025	48	1	14,94	90 x 3"	RG0067	12	1	40,91	63 x 1 1/4"	RG0046	35	1	19,21
50 x 1 1/4"	RGM016	70	1	9,96	63 X 2"	RGF017	48	1	14,94	110 x 4"	RG0068	6	1	79,42	63 x 1 1/2"	RG0043	35	1	19,21
50 x 1 1/2"	RGM017	70	1	9,96	75 X 2"	RGF018	27	1	29,43						63 x 2"	RG0038	35	1	19,21
50 x 2"	RGM018	65	1	9,96	75 X 2 1/2"	RGF019	27	1	29,43						75 x 2"	RG0039	20	1	34,76
63 x 1 1/4"	RGM035	48	1	14,16	90 X 2"	RGF020	14	1	34,58						75 x 2 1/2"	RG0040	18	1	34,76
63 x 1 1/2"	RGM019	48	1	14,16	90 X 3"	RGF023	14	1	34,58						75 x 3"	RG0045	18	1	34,76
63 x 2"	RGM020	48	1	14,16	90 X 4"	RGF026	12	1	38,02										
63 x 2 1/2"	RGM021	45	1	14,16	110 X 3"	RGF024	8	1	81,98										
75 x 2"	RGM022	28	1	28,22	110 X 4"	RGF021*	8	1	81,98										
75 x 2 1/2"	RGM023	28	1	28,22															
75 x 3"	RGM024	25	1	28,22															
90 x 2"	RGM025	16	1	33,30															
90 x 2 1/2"	RGM029	16	1	33,30															
90 x 3"	RGM026	16	1	33,30															
90 x 4"	RGM033	12	1	39,83															
110 x 2"	RGM030	8	1	65,72															
110 x 3"	RGM028	8	1	65,72															
110 x 4"	RGM027	8	1	65,72															

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.
16 x 16 x 3/4"	RBF001*	120	10	3,85	25 x 3/4"	RAD061	200	1	3,68	16 x 1/2"	RPL003	150	1	8,34
20 x 20 x 3/4"	RBF002	120	10	5,51	32 x 1"	RAD064	180	1	5,84	20 x 1/2"	RPL001	150	1	8,34
25 x 25 x 3/4"	RBF003	100	5	10,27	40 x 1 1/4"	RAD066	130	1	8,13	25 x 3/4"	RPL002	100	1	9,96
*While stocks last					50 x 1 1/2"	RAD070	80	1	10,02					
					63 x 2"	RAD075	60	1	15,09					
					**Scheduled delivery									

PN16 fittings - *PN6 fittings

Bo. = box - B. = bag

Price List

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	3,82	20 x ½" x 20	RTM001	180	10	5,39	20 x 16 x 20	RTR011	150	10	7,34	20	RTR102	120	10	8,50
16 x ¾" x 16	RTF020	240	10	3,82	20 x ¾" x 20	RTM002	180	10	5,39	25 x 20 x 25	RTR001	100	5	8,23	25	RTR101	100	5	10,92
20 x ½" x 20	RTF001	180	10	5,07	25 x ½" x 25	RTM006	140	5	6,99	32 x 25 x 32	RTR009	70	5	10,64	32	RTR103	60	5	13,27
20 x ¾" x 20	RTF003	180	10	5,07	25 x 1" x 25	RTM003	140	5	6,99	40 x 25 x 40	RTR012	45	1	18,00	40	RTR104	40	1	21,91
25 x ½" x 25	RTF004	140	5	6,55	32 x 1" x 32	RTM004	80	5	8,74	40 x 32 x 40	RTR003	40	1	18,00	50	RTR105	25	1	30,28
25 x ¾" x 25	RTF006	140	5	6,55	40 x 1" x 40	RTM005	50	1	15,40	50 x 25 x 50	RTR014	30	1	24,32	63	RTR106	16	1	41,64
25 x 1" x 25	RTF007	100	5	7,20	40 x 1½" x 40	RTM016	50	1	16,65	50 x 32 x 50	RTR008	30	1	24,32	**Scheduled delivery				
25 x 1¼" x 25	RTF028	100	5	8,23	50 x 1½" x 50	RTM017	36	1	21,80	50 x 40 x 50	RTR004	30	1	24,32					
32 x ¾" x 32	RTF008	80	5	8,46	63 x 1" x 63	RTM019**	20	1	42,28	63 x 32 x 63	RTR007	20	1	32,03					
32 x 1" x 32	RTF009	80	5	8,46	63 x 2" x 63	RTM018			42,28	63 x 40 x 63	RTR016	20	1	32,03					
32 x 1¼" x 32	RTF010	60	5	10,64	**Scheduled delivery					63 x 50 x 63	RTR005	18	1	32,03					
32 x 1½" x 32	RTF018	60	5	10,92						75 x 63 x 75	RTR006	7	1	60,06					
40 x 1" x 40	RTF011	60	1	15,40															
40 x 1¼" x 40	RTF012	55	1	15,40															
40 x 1½" x 40	RTF013	50	1	16,65															
40 x 2" x 40	RTF029	45	1	17,51															
50 x 1½" x 50	RTF014	36	1	20,47															
50 x 2" x 50	RTF015	30	1	23,11															
63 x 1¼" x 63	RTF030	20	1	30,80															
63 x 1½" x 63	RTF025	20	1	30,80															
63 x 2" x 63	RTF016	20	1	29,49															
75 x 2" x 75	RTF019	9	1	51,01															
75 x 2½" x 75	RTF017	9	1	51,01															
75 x 3" x 75	RTF022	9	1	51,01															
90 x 3" x 90	RTF023	7	1	79,02															
110 x 4" x 110	RTF021*	4	1	119,33															
										Reduction sleeve					Reduction set				

Reduction sleeve					Reduction set				
									
Ø	Code	Bo.	B.	€/ea.	Ø	Code	Bo.	B.	€/ea.
20 x 16	RMR013	300	10	4,92	25 x 20	RRD300	300	10	2,99
25 x 16	RMR019	220	10	5,23	32 x 20	RRD301	300	10	5,07
25 x 20	RMR001	200	10	5,23	32 x 25	RRD302	250	10	3,85
32 x 20	RMR002	150	5	6,99	40 x 32	RRD303	180	10	5,93
32 x 25	RMR003	120	5	6,99	50 x 25	RRD304**	200	10	8,60
40 x 25	RMR004	90	1	11,85	50 x 32	RRD305	120	5	7,97
40 x 32	RMR005	90	1	11,85	50 x 40	RRD306	120	5	7,34
50 x 25	RMR012	70	1	15,40	63 x 25	RRD307**	120	5	12,80
50 x 32	RMR006	70	1	15,40	63 x 32	RRD308	80	0	12,11
50 x 40	RMR007	60	1	15,40	63 x 40	RRD309	80	1	11,85
63 x 25	RMR014	50	1	21,80	63 x 50	RRD310	80	0	11,85
63 x 32	RMR015	45	1	21,80	75 x 63	RRD311	80	0	31,17
63 x 40	RMR008	40	1	21,80	110 x 63	RRD312*	50	1	70,91
63 x 50	RMR009	36	1	21,80	110 x 75	RRD313	22	1	46,75
75 x 50	RMR010	22	1	39,67	110 x 90	RRD314	20	1	40,71
75 x 63	RMR011	18	1	39,67	**Scheduled delivery				
90 x 63	RMR016	12	1	52,50					
90 x 75	RMR017	10	1	52,50					
110 x 90	RMR018	6	1	110,14					

PN16 fittings - *PN6 fittings

Bo. = box - B. = bag



Price List

PVC Fittings > Elastometric Joint



DESCRIPTION

Application

- Drinkable water - fluids in pressure

Specifics

- Maximum workin pressure: 10 bar
- MRS (minimum resistance to breaking load 50 years at 20°C): 25 Mpa (250 bar)
- Execution: head/head welding - thermoforming - moulding
- 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		Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€
F.	M.											
110	75	RRD360	10	82,95	75	RBG201	10	22,58	75	RBG221	10	25,20
125	75	RRD361	10	140,70	90	RBG202	10	24,89	90	RBG222	10	30,87
125	90	RRD362	10	140,70	110	RBG203	10	26,36	110	RBG223	10	38,01
140	75	RRD363	10	189,00	125	RBG204	10	35,07	125	RBG224	10	45,78
140	90	RRD364	10	189,00	140	RBG205	10	51,56	140	RBG225	10	66,99
140	110	RRD365	10	189,00	160	RBG206	10	52,82	160	RBG226	10	74,45
160	90	RRD366	10	231,00								
160	110	RRD367	10	231,00								
160	125	RRD368	10	231,00								
180	90	RRD369	10	395,85								
180	110	RRD370	10	395,85								
180	125	RRD371	10	395,85								
180	140	RRD372	10	395,85								
200	90	RRD373	10	455,00								
200	110	RRD374	10	455,00								
200	125	RRD376	10	455,70								
200	160	RRD377	10	455,70								

90° Tee F/F/F			
			
Ø	Code	PN	€
75	RTES08	10	52,50
90	RTES09	10	67,00
110	RTES10	10	82,00

90° Tee F/F/F				Solvent cement deriv. 90° Tee F/F			
							
Ø	Code	PN	€	Ø	Code	PN	€
75	RTE508	10	52,50	75	RTE514	10	39,38
90	RTE509	10	67,00	90	RTE516	10	58,00
110	RTE510	10	90,09	110	RTE517	10	70,25
125	RTE511	10	133,35	125	RTE515	10	95,76
140	RTE512	10	164,85	140	RTE518	10	225,75
160	RTE513	10	211,05	160	RTE519	10	232,05

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	39,50	75	RG0260	10	31,61	75	RG0266	10	30,14	60 mm	AGR001	2,00
90	RG0252	10	42,84	90	RG0261	10	38,85	90	RG0267	10	38,85	80 mm	AGR002	2,21
110	RG0253	10	48,20	110	RG0262	10	43,89	110	RG0268	10	43,89	100 mm	AGR003	2,73
125	RG0254	10	62,79	125	RG0263	10	52,82	125	RG0270	10	52,82	120 mm	AGR004	3,89
140	RG0255	10	87,57	140	RG0264	10	66,47	140	RG0271	10	66,47			
160	RG0256	10	108,15	160	RG0265	10	90,62	160	RG0269	10	90,62			

Price List



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

- internal ring of conical tapping

- Conical tightening of high resistance thanks to an

- 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	RM1015	16	500	1,01	16	RT1015	16	300	1,14	16	RG0129	16	350	0,85	16	RG0107	16	500	2,07
20	RM1016	16	350	0,96	20	RT1016	16	400	1,16	20	RG0080	16	250	1,01	20	RG0140	16	300	1,68
25	RM1001	16	400	0,94	25	RT1001	16	200	1,41	25	RG0110	16	300	0,98	25	RG0095	16	400	2,08
32	RM1002	16	250	0,99	32	RT1002	16	100	2,05	32	RG0111	16	180	1,27	32	RG0106	16	200	2,21
40	RM1003	16	180	1,61	40	RT1003	16	70	2,96	40	RG0112	16	120	2,12	40	RG0096	16	150	2,59
50	RM1004	16	200	1,77	50	RT1004	16	80	3,87	50	RG0113	16	120	2,89	50	RG0097	16	150	3,60
63	RM1005	16	100	2,49	63	RT1005	16	50	5,37	63	RG0114	16	60	4,05	63	RG0108	16	90	4,67
75	RM1006	16	80	5,95	75	RT1006	16	32	10,58	75	RG0115	16	40	9,39	75	RG0102	16	50	8,47
90	RM1007	16	45	9,30	90	RT1007	16	20	16,64	90	RG0116	16	25	12,77	90	RG0100	16	30	11,53
110	RM1008	16	27	13,05	110	RT1008	16	10	25,00	110	RG0117	16	14	19,61	110	RG0103	16	16	24,84
125	RM1009	16	20	19,48	125	RT1009	16	7	47,96	125	RG0118	16	10	37,01	125	RG0101	16	12	32,50
140	RM1010	16	12	25,40	140	RT1010	16	4	73,37	140	RG0123	16	6	44,16	140	RG0124	16	6	44,23
160	RM1011	16	6	30,58	160	RT1011	16	3	79,55	160	RG0119	16	4	67,24	160	RG0104	16	6	52,21
180	RM1017	10	2	138,60	180	RT1017	16	3	295,25	180	RG0084	16	4	239,49	200	RG0105	10	2	135,00
200	RM1012	10	3	58,85	200	RT1012	10	1	118,82	200	RG0121	10	2	155,32	225	RG0098	10	2	147,00
225	RM1013	10	2	101,74	225	RT1013	10	1	192,39	225	RG0081	10	1	164,38	250	RG0099	10	1	245,56
250	RM1014	10	2	180,40	250	RT1014	10	1	325,13	250	RG0082	10	1	324,00	280	RG0092	10	1	381,78
280	RM1018	10	2	231,15	280	RT1019	10	1	524,24	280	RG0142	10	1	499,20	315	RG0093	10	1	509,05
315	RM1019	10	1	257,97	315	RT1020	10	1	634,85	315	RG0127	10	1	549,77	400	RG0094	5	1	921,59
400	RM1020	5	1	377,27	400	RT1021	4	1	1.630,44	400	RG0083	5	1	1.266,98					



Price List

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	5,12	16	RBC400	16	200	4,94	16	RTA039	16	500	0,94	20	RCL061	16	600	0,98
25	RG0181	16	150	6,17	20	RBC252	16	150	3,85	20	RTA040	16	500	0,93	25	RCL062	16	300	1,10
32	RG0182	16	100	7,84	25	RBC052	16	200	4,41	25	RTA041	16	350	0,99	32	RCL063	16	200	1,14
40	RG0183	16	50	10,41	32	RBC053	16	120	4,81	32	RTA042	16	400	1,23	40	RCL064	16	200	1,69
50	RG0184	16	60	14,96	40	RBC054	16	80	7,14	40	RTA043	16	250	1,71	50	RCL058	16	180	2,61
63	RG0185	16	30	20,00	50	RBC055	16	60	9,19	50	RTA044	16	180	2,16	63	RCL059	16	90	4,18
75	RG0186	16	15	43,10	63	RBC056	16	30	12,20	63	RTA045	16	100	2,66	75	RCL060	16	100	6,66
90	RG0187	16	9	53,46	75	RBC057	16	30	34,17	75	RTA046	16	60	5,86	90	RCL055	16	70	8,06
110	RG0188	16	6	86,60	90	RBC058	16	25	40,07	90	RTA047	16	65	8,17	110	RCL054	16	40	9,39
					110	RBC059	16	15	41,22	110	RTA048	16	40	11,53	125	RCL051	16	25	20,07
										125	RTA049	16	33	20,13	140	RCL052	16	20	24,81
										140	RTA050	16	20	23,88	160	RCL053	16	15	24,36
										160	RTA051	16	12	29,45	200	RCL050	10	7	52,83
										200	RTA055	10	6	55,00	225	RCL056	10	6	65,01
										225	RTA056	10	5	124,41	250	RCL057	10	4	72,77
										250	RTA057	10	5	235,00	280	RCL067	10	4	143,45
															315	RCL066	10	3	173,68

Price List



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	1,09	20 x 16 x 20	RTI066	16	180	1,47	20 x 16	RRI066	16	1.000	1,20	12 x 12	RPG100	16	700	1,81
25 x 20 x 16	RRI200	16	500	1,18	25 x 16 x 25	RTI067	16	220	1,78	25 x 16	RRI035	16	700	1,25	16 x 16	RPG101	16	450	1,36
25 x 20 x 20	RRI003	16	500	1,36	25 x 20 x 25	RTI068	16	220	1,53	25 x 20	RRI055	16	700	1,25	20 x 20	RPG102	16	300	1,40
32 x 25 x 16	RRI004	16	300	1,33	32 x 20 x 32	RTI060	16	120	2,10	32 x 16	RRI041	16	400	1,32	25 x 25	RPG103	16	150	1,51
32 x 25 x 20	RRI005	16	300	1,33	32 x 25 x 32	RTI061	16	120	2,05	32 x 20	RRI057	16	400	1,06	32 x 30	RPG104	16	250	1,61
32 x 25 x 25	RRI006	16	280	1,33	40 x 20 x 40	RTI062	16	100	2,82	32 x 25	RRI058	16	400	1,04	40 x 40	RPG105	16	280	2,15
40 x 32 x 16	RRI201	16	800	1,93	40 x 25 x 40	RTI063	16	90	2,82	40 x 20	RRI059	16	250	1,18	50 x 50	RPG106	16	80	3,70
40 x 32 x 20	RRI202	16	170	1,68	40 x 32 x 40	RTI064	16	90	2,82	40 x 25	RRI062	16	250	1,18	63 x 60	RPG107	16	50	6,00
40 x 32 x 25	RRI203	16	170	1,68	50 x 20 x 50	RTI065	16	110	4,55	40 x 32	RRI056	16	250	1,18					
40 x 32 x 32	RRI007	16	350	1,68	50 x 25 x 50	RTI207	16	110	4,55	50 x 20	RRI042	16	70	2,13					
50 x 40 x 20	RRI020	16	400	2,63	50 x 32 x 50	RTI069	16	110	4,55	50 x 25	RRI063	16	350	1,39					
50 x 40 x 25	RRI204	16	200	2,12	50 x 40 x 50	RTI070	16	100	4,55	50 x 32	RRI067	16	350	1,38					
50 x 40 x 32	RRI008	16	200	2,12	63 x 25 x 63	RTI212	16	70	7,02	50 x 40	RRI060	16	350	1,39					
50 x 40 x 40	RRI009	16	200	2,12	63 x 32 x 63	RTI211	16	60	7,02	63 x 32	RRI061	16	180	1,89					
63 x 50 x 25	RRI206	16	170	3,50	63 x 40 x 63	RTI072	16	60	7,02	63 x 40	RRI064	16	180	1,89					
63 x 50 x 32	RRI207	16	350	3,17	63 x 50 x 63	RTI073	16	50	7,02	63 x 50	RRI048	16	180	1,89					
63 x 50 x 40	RRI208	16	120	2,69	75 x 32 x 75	RTI074	16	20	18,34	75 x 40	RRI068	16	110	3,50					
63 x 50 x 50	RRI010	16	100	4,48	75 x 40 x 75	RTI075	16	32	11,97	75 x 50	RRI028	16	110	3,50					
75 x 63 x 32	RRI209	16	190	5,20	75 x 50 x 75	RTI076	16	32	11,97	75 x 63	RRI029	16	110	3,50					
75 x 63 x 40	RRI210	16	80	3,61	75 x 63 x 75	RTI077	16	32	11,97	90 x 50	RRI045	16	65	5,68					
75 x 63 x 50	RRI024	16	150	5,20	90 x 40 x 90	RTI078	16	24	16,95	90 x 63	RRI047	16	65	5,68					
75 x 63 x 63	RRI023	16	60	5,80	90 x 50 x 90	RTI079	16	22	16,95	90 x 75	RRI027	16	65	5,05					
90 x 75 x 40	RRI211	16	110	10,02	90 x 63 x 90	RTI220	16	22	16,95	110 x 63	RRI065	16	40	7,86					
90 x 75 x 50	RRI212	16	45	8,79	90 x 75 x 90	RTI081	16	16	16,96	110 x 75	RRI046	16	40	6,99					
90 x 75 x 63	RRI022	16	36	8,79	110 x 50 x 110	RTI082	16	12	28,75	110 x 90	RRI032	16	40	6,99					
90 x 75 x 75	RRI011	16	36	8,79	110 x 63 x 110	RTI225	16	10	28,75	125 x 75	RRI049	16	50	15,04					
110 x 90 x 50	RRI213	16	45	13,25	110 x 75 x 110	RTI084	16	10	28,75	125 x 90	RRI030	16	50	15,04					
110 x 90 x 63	RRI100	16	45	13,15	110 x 90 x 110	RTI229	16	10	28,75	125 x 110	RRI031	16	50	13,25					
110 x 90 x 75	RRI013	16	45	13,15	125 x 63 x 125	RTI230	16	8	62,95	140 x 90	RRI040	16	40	23,39					
110 x 90 x 90	RRI012	16	45	13,15	125 x 75 x 125	RTI231	16	8	62,95	140 x 110	RRI036	16	40	27,21					
125 x 110 x 63	RRI214	16	42	19,93	125 x 90 x 125	RTI085	16	8	62,95	140 x 125	RRI037	16	40	19,00					
125 x 110 x 75	RRI021	16	42	19,93	125 x 110 x 125	RTI087	16	8	62,95	160 x 90	RRI050	16	24	30,48					
125 x 110 x 90	RRI015	16	42	19,93	140 x 90 x 140	RTI089	16	4	86,51	160 x 110	RRI033	16	24	20,59					
125 x 110 x 110	RRI016	16	24	19,93	140 x 110 x 140	RTI090	16	4	120,99	160 x 125	RRI039	16	24	29,57					
140 x 125 x 90	RRI216	16	30	32,00	140 x 125 x 140	RTI091	16	4	120,99	160 x 140	RRI034	16	24	23,53					
140 x 125 x 110	RRI017	16	20	32,00	160 x 90 x 160	RTI092	16	3	108,84	180 x 160	RRI038	10	18	100,22					
160 x 140 x 90	RRI219	16	16	41,58	160 x 110 x 160	RTI095	16	3	108,84	200 x 110	RRI077	10	10	54,64					
160 x 140 x 110	RRI018	16	16	39,57	160 x 125 x 160	RTI093	16	3	132,53	200 x 125	RRI069	10	10	54,64					
160 x 140 x 125	RRI019	16	12	49,38	160 x 140 x 160	RTI094	16	3	132,53	200 x 160	RRI043	10	10	45,00					
					200 x 160 x 200	RTI097	10	3	260,00	200 x 180	RRI080	10	12	45,58					
					225 x 200 x 225	RTI099	10	1	462,19	225 x 160	RRI081	10	7	65,59					
					250 x 110 x 250	RTI100	10	1	755,46	225 x 200	RRI075	10	7	73,67					
					250 x 160 x 250	RTI101	10	1	540,01	250 x 160	RRI082	10	6	114,46					
					250 x 200 x 250	RTI102	10	1	545,25	250 x 200	RRI071	10	6	126,00					
					315 x 160 x 315	RTI108	8	1	665,05	250 x 225	RRI500	10	6	128,37					
					315 x 250 x 315	RTI107	8	1	665,05	280 x 225	RRI083	10	4	171,10					
										315 x 200	RRI073	10	3	186,17					
										315 x 225	RRI074	10	3	186,17					
										315 x 250	RRI072	10	3	186,17					
										315 x 280	RRI085	10	3	186,17					



Price List

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	1,46		3/8"	RBC010	16	300	5,86	3/8"	RTE112	16	300	2,60	3/8"	RG0190	16	1.800	4,23
1/2"	RMF001	16	350	1,69		1/2"	RBC004	16	150	4,36	1/2"	RTE100	16	400	2,95	1/2"	RG0191	16	300	2,36
3/4"	RMF002	16	450	1,85		3/4"	RBC005	16	200	5,82	3/4"	RTE101	16	200	3,20	3/4"	RG0192	16	400	2,49
1"	RMF003	16	250	2,22		1"	RBC001	16	120	5,94	1"	RTE102	16	100	3,45	1"	RG0193	16	200	3,23
1 1/4"	RMF004	16	190	2,92		1 1/4"	RBC002	16	80	7,23	1 1/4"	RTE106	16	70	5,40	1 1/4"	RG0194	16	150	4,44
1 1/2"	RMF005	16	140	3,45		1 1/2"	RBC003	16	60	9,96	1 1/2"	RTE103	16	80	6,84	1 1/2"	RG0195	16	150	5,88
2"	RMF006	16	85	4,52		2"	RBC006	16	30	13,67	2"	RTE104	16	50	9,98	2"	RG0196	16	90	9,30
2 1/2"	RMF007	16	45	14,60		2 1/2"	RBC007	16	30	38,63	2 1/2"	RTE105	16	32	23,18					
3"	RMF010	16	60	17,43		3"	RBC008	16	25	44,80	3"	RTE110	16	20	27,57					
4"	RMF009	16	30	22,48		4"	RBC009	16	15	58,12	4"	RTE111	16	10	41,90					

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	1,41		3/8"	RNP010	16	1.000	1,03	3/8"	RTA029	16	1.000	1,20	3/8"	RTA008	16	800	0,85
1/2"	RG0130	16	250	1,41		1/2"	RNP001	16	450	1,10	1/2"	RTA020	16	500	1,30	1/2"	RTA001	16	650	0,83
3/4"	RG0131	16	300	1,77		3/4"	RNP002	16	600	1,30	3/4"	RTA021	16	300	1,45	3/4"	RTA002	16	400	1,14
1"	RG0132	16	180	1,98		1"	RNP003	16	350	1,43	1"	RTA022	16	180	1,43	1"	RTA003	16	500	1,38
1 1/4"	RG0133	16	120	3,13		1 1/4"	RNP004	16	220	2,06	1 1/4"	RTA023	16	120	2,38	1 1/4"	RTA004	16	350	1,95
1 1/2"	RG0134	16	120	4,20		1 1/2"	RNP005	16	200	2,22	1 1/2"	RTA024	16	230	2,78	1 1/2"	RTA005	16	280	2,21
2"	RG0135	16	60	6,57		2"	RNP006	16	200	3,23	2"	RTA025	16	120	3,79	2"	RTA006	16	160	3,04
2 1/2"	RG0136	16	40	17,00		2 1/2"	RNP007	16	110	8,86	2 1/2"	RTA026	16	60	13,04	2 1/2"	RTA007	16	80	9,82
3"	RG0137	16	25	23,37		3"	RNP008	16	35	12,17	3"	RTA027	16	30	16,92	3"	RTA009	16	50	12,57
4"	RG0138	16	14	34,09		4"	RNP009	16	35	17,21	4"	RTA028	16	25	21,76	4"	RTA010	16	30	20,95

Price List



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	1,23	3/8" x 1/2"	RMG001	16	500	2,18	1/2" x 3/8"	RNP070	16	650	1,65	1/4" x 12	RPG001	N.A.	1.400	1,35
3/4" x 3/8"	RRD100	16	400	1,32	1/2" x 3/4"	RMG002	16	250	2,31	3/4" x 3/8"	RNP071	16	1.400	2,71	3/8" x 16	RPG002	N.A.	500	1,37
3/4" x 1/2"	RRD070	16	280	1,37	3/4" x 1"	RMG003	16	150	2,19	3/4" x 1/2"	RNP072	16	350	1,64	1/2" x 20	RPG003	N.A.	300	1,41
1" x 1/2"	RRD074	16	500	1,57	1" x 1 1/4"	RMG004	16	220	2,37	1" x 1/2"	RNP073	16	900	6,49	3/4" x 25	RPG004	N.A.	180	1,51
1" x 3/4"	RRD071	16	450	1,57	1 1/4" x 1 1/2"	RMG005	16	150	3,09	1" x 3/4"	RNP074	16	450	2,21	1" x 30	RPG005	N.A.	250	1,61
1 1/4" x 1/2"	RRD079	16	300	2,28	1 1/2" x 2"	RMG006	16	140	4,01	1 1/4" x 3/4"	RNP075	16	400	4,22	1 1/4" x 40	RPG006	N.A.	300	2,87
1 1/4" x 3/4"	RRD088	16	280	2,28	1 1/2" x 2 1/2"	RMG007	16	170	12,98	1 1/4" x 1"	RNP076	16	270	2,95	1 1/2" x 50	RPG007	N.A.	100	3,53
1 1/4" x 1"	RRD076	16	260	2,28	2" x 2 1/2"	RMG008	16	72	7,26	1 1/2" x 1"	RNP077	16	350	5,19	2" x 60	RPG008	N.A.	50	6,23
1 1/2" x 3/4"	RRD084	16	220	2,95	2" x 3"	RMG009	16	40	16,22	1 1/2" x 1 1/4"	RNP078	16	180	3,76	2 1/2" x 80	RPG009	N.A.	90	19,25
1 1/2" x 1"	RRD077	16	220	2,95	2 1/2" x 3"	RMG010	16	50	10,88	2" x 1 1/4"	RNP079	16	200	7,47					
1 1/2" x 1 1/4"	RRD073	16	180	2,95	2 1/2" x 4"	RMG011	16	70	27,04	2" x 1 1/2"	RNP080	16	110	4,77					
2" x 1"	RRD078	16	130	4,03	3" x 4"	RMG012	16	25	18,34	2 1/2" x 1 1/2"	RNP081	16	164	14,39					
2" x 1 1/4"	RRD087	16	120	4,03						2 1/2" x 2"	RNP082	16	80	9,74					
2" x 1 1/2"	RRD085	16	160	4,10						3" x 2"	RNP087	16	40	11,24					
2 1/2" x 1 1/2"	RRD080	16	60	9,01						3" x 2 1/2"	RNP084	16	35	12,57					
2 1/2" x 2"	RRD083	16	60	8,04						4" x 2 1/2"	RNP085	16	70	27,04					
3" x 2"	RRD072	16	30	10,59						4" x 3"	RNP086	16	24	19,27					
3" x 2 1/2"	RRD081	16	40	11,85															
4" x 2 1/2"	RRD089	16	40	19,34															
4" x 3"	RRD082	16	40	19,34															



Price List

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	1,65	16 x 3/8"	RBC101	16	200	5,32	25 x 3/4"	RBC081	16	150	5,57	16 x 12 x 3/8"	RNP157	16	1.000	1,04
20 x 1/2"	RMP001	16	350	1,65	20 x 1/2"	RBC102	16	150	4,29	32 x 1"	RBC082	16	100	6,97	20 x 16 x 3/8"	RMN008	16	500	1,04
25 x 3/4"	RMP002	16	450	1,63	25 x 3/4"	RBC103	16	200	5,60	40 x 1 1/4"	RBC083	16	50	7,26	20 x 16 x 1/2"	RNP158	16	450	1,04
32 x 1"	RMP003	16	250	1,99	32 x 1"	RBC104	16	120	7,30	50 x 1 1/2"	RBC084	16	60	12,28	25 x 20 x 3/8"	RAD003	16	300	1,10
40 x 1 1/4"	RMP004	16	180	2,53	40 x 1 1/4"	RBC105	16	80	8,71	63 x 2"	RBC085	16	30	15,66	25 x 20 x 1/2"	RMN009	16	300	1,10
50 x 1 1/2"	RMP005	16	120	3,76	50 x 1 1/2"	RBC106	16	60	12,00						25 x 20 x 3/4"	RNP156	16	250	0,98
63 x 2"	RMP006	16	75	5,65	63 x 2"	RBC107	16	30	15,36						32 x 25 x 1/2"	RAD002	16	400	1,23
75 x 2 1/2"	RMP008	16	36	14,98	75 x 2 1/2"	RBC108	16	30	42,00						32 x 25 x 3/4"	RMN010	16	400	1,11
90 x 3"	RMP007	16	45	16,28	90 x 3"	RBC109	16	25	49,10						32 x 25 x 1"	RNP154	16	350	1,17
110 x 4"	RMP009	16	30	21,91	110 x 4"	RBC110	16	15	50,68						40 x 32 x 3/4"	RAD004	16	300	1,40

90° Tee					90° elbow				
Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.
16 x 3/8" x 16	RTP011	16	300	1,86	16 x 3/8"	RG0603	16	350	1,45
20 x 1/2" x 20	RTP010	16	400	2,16	20 x 1/2"	RG0604	16	250	1,61
25 x 3/4" x 25	RTP001	16	200	2,37	25 x 3/4"	RG0126	16	300	1,87
32 x 1" x 32	RTP005	16	100	4,96	32 x 1"	RG0120	16	180	2,14
40 x 1 1/4" x 40	RTP006	16	70	3,95	40 x 1 1/4"	RG0600	16	120	3,84
50 x 1 1/2" x 50	RTP007	16	80	5,90	50 x 1 1/2"	RG0601	16	120	5,31
63 x 2" x 63	RTP008	16	50	10,49	63 x 2"	RG0602	16	60	7,27
75 x 2 1/2" x 75	RTP003	16	32	19,18	75 x 2 1/2"	RG0125	16	40	14,99
90 x 3" x 90	RTP002	16	10	26,59	90 x 3"	RG0122	16	25	21,87
110 x 4" x 110	RTP004	16	10	43,45	110 x 4"	RG0128	16	14	37,80

16 x 12 x 3/8"	RNP157	16	1.000	1,04
20 x 16 x 3/8"	RMN008	16	500	1,04
20 x 16 x 1/2"	RNP158	16	450	1,04
25 x 20 x 3/8"	RAD003	16	300	1,10
25 x 20 x 1/2"	RMN009	16	300	1,10
25 x 20 x 3/4"	RNP156	16	250	0,98
32 x 25 x 1/2"	RAD002	16	400	1,23
32 x 25 x 3/4"	RMN010	16	400	1,11
32 x 25 x 1"	RNP154	16	350	1,17
40 x 32 x 3/4"	RAD004	16	300	1,40
40 x 32 x 1"	RMN011	16	250	1,40
40 x 32 x 1 1/4"	RAD165	16	200	1,64
50 x 40 x 1"	RAD166	16	160	2,26
50 x 40 x 1 1/4"	RMN012	16	150	2,03
50 x 40 x 1 1/2"	RAD011	16	140	2,32
63 x 50 x 1 1/4"	RAD005	16	120	3,43
63 x 50 x 1 1/2"	RMN005	16	120	3,13
63 x 50 x 2"	RNP153	16	100	3,13
75 x 63 x 2"	RMN001	16	70	4,17
75 x 63 x 1 1/2"	RAD006	16	70	4,57
75 x 63 x 2 1/2"	RNP155	16	50	9,13
90 x 75 x 2"	RAD007	16	45	9,79
90 x 75 x 2 1/2"	RMN003	16	45	11,95
90 x 75 x 3"	RNP150	16	60	11,38
110 x 90 x 2 1/2"	RAD008	16	45	14,66
110 x 90 x 3"	RMN004	16	45	13,10
110 x 90 x 4"	RNP151	16	30	16,36
125 x 110 x 3"	RAD009	16	30	18,71
125 x 110 x 4"	RMN002	16	30	19,36
125 x 110 x 5"	RNP152	16	30	30,64

Fittings

Price List



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 1/2"	RAD199	16	500	2,26	16 x 3/8"	RMP050	16	2.300	4,56	20 x 1/2"	RG0281	16	1.000	5,80	20 x 1/2" x 20	RTP051	16	400	4,60
25 x 3/4"	RAD051	16	450	2,38	20 x 1/2"	RMP051	16	350	3,23	25 x 3/4"	RG0282	16	600	6,68	25 x 3/4" x 25	RTP052	16	200	5,62
32 x 3/4"	RAD155	16	250	2,12	25 x 3/4"	RMP052	16	450	3,61	32 x 1"	RG0283	16	350	8,80	32 x 1" x 32	RTP053	16	100	6,25
32 x 1"	RAD052	16	250	2,81	32 x 1"	RMP053	16	250	3,57	40 x 1 1/4"	RG0284	16	200	11,14	40 x 1 1/4" x 40	RTP054	16	70	7,55
40 x 1"	RRI079	16	200	2,95	40 x 1 1/4"	RMP054	16	180	4,66	50 x 1 1/2"	RG0285	16	130	15,04	50 x 1 1/2" x 50	RTP055	16	80	10,97
40 x 1 1/4"	RAD053	16	180	2,77	50 x 1 1/2"	RMP055	16	120	5,42	63 x 2"	RG0286	16	72	19,50	63 x 2" x 63	RTP056	16	50	13,40
50 x 1 1/4"	RAD206	16	140	3,49	63 x 2"	RMP056	16	120	7,44										
50 x 1 1/2"	RAD054	16	110	3,45															
63 x 2"	RAD055	16	70	6,52															
75 x 2"	RRI084	16	60	8,37															
75 x 2 1/2"	RAD056	16	80	11,85															
90 x 2 1/2"	RAD197	16	45	12,97															
90 x 3"	RAD057	16	45	14,66															
110 x 3"	RAD210	16	30	18,23															
110 x 4"	RAD058	16	30	20,95															

SS reinforced M/F reduction



Ø	Code	PN	B.	€/ea.
25 x 20 x 1/2"	RRD200	16	500	3,05
32 x 25 x 3/4"	RRD201	16	250	3,09
40 x 32 x 1"	RRD202	16	200	3,60
50 x 40 x 1 1/4"	RRD203	16	140	4,20

Free flange					Blanking flange					Full faced plain flange					Full faced threaded flange				
																			
Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	Box	€/ea.	Ø	Code	PN	Box	€/ea.
32	RFG008	16	150	4,49	32	RFG100	16	65	7,05	32	RFG056	16	50	6,95	1"	RFG049	16	144	10,03
40	RFG009	16	100	6,34	40	RFG101	16	70	9,34	40	RFG057	16	50	9,09	1 1/4"	RFG050	16	70	14,48
50	RFG011	16	80	6,78	50	RFG102	16	65	11,19	50	RFG058	16	48	10,86	1 1/2"	RFG051	16	60	20,61
63	RFG108	16	50	7,37	63	RFG103	16	40	11,75	63	RFG059	16	36	11,68	2"	RFG052	16	45	23,96
75	RFG109	16	40	9,35	75	RFG104	16	35	13,26	75	RFG060	16	15	14,06	2 1/2"	RFG053	16	25	32,30
90	RFG004	16	35	10,49	90	RFG105	16	30	15,46	90	RFG061	16	10	16,72	3"	RFG054	16	18	39,55
110	RFG001	16	24	11,80	110	RFG106	16	20	18,22	110	RFG062	16	20	19,47	4"	RFG055	16	12	49,01
125 - DN110	RFG005	16	20	21,36	125 - DN110	RFG107	16	18	31,99										
125	RFG014	16	20	27,62	140	RFG118	16	15	38,04										
140	RFG006	16	18	24,52	160	RFG119	16	10	35,11										
160	RFG002	16	20	22,75	200	RFG120	10	10	125,00										
200	RFG003	10	10	54,42	225	RFG121	10	10	133,06										
225	RFG007	10	10	57,93															
250	RFG010	10	6	89,84															
280	RFG013	10	12	134,68															
315	RFG030	10	8	149,78															

Various Fittings > Hansen Threaded



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.
1/2"	SRNP050	16	800	1,80	1/2"	SRG0100	16	450	1,79	1/2"	SRMF050	16	950	1,86	1/2"	SRG0050	16	400	2,10
3/4"	SRNP051	16	1.000	2,26	3/4"	SRG0101	16	600	1,98	3/4"	SRMF051	16	700	2,18	3/4"	SRG0051	16	550	2,46
1"	SRNP052	16	600	2,63	1"	SRG0102	16	320	2,46	1"	SRMF052	16	450	2,52	1"	SRG0052	16	320	2,83
1 1/4"	SRNP053	16	360	3,73	1 1/4"	SRG0103	16	200	3,34	1 1/4"	SRMF053	16	280	4,64	1 1/4"	SRG0053	16	190	5,29
1 1/2"	SRNP054	16	260	4,38	1 1/2"	SRG0104	16	130	5,29	1 1/2"	SRMF054	16	200	5,29	1 1/2"	SRG0054	16	130	9,54
2"	SRNP055	16	140	5,66	2"	SRG0105	16	70	9,54	2"	SRMF055	16	120	8,00	2"	SRG0055	16	70	12,91
2 1/2"	SRNP056	12	85	11,86						2 1/2"	SRMF056	12	80	38,44	2 1/2"	SRG0056	12	40	42,78
3"	SRNP057	10	64	15,08						3"	SRMF057	10	45	47,12	3"	SRG0057	10	10	58,31
4"	SRNP058	10	27	25,42						4"	SRMF058	10	24	60,81	4"	SRG0058	10	11	83,05

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.
1/2"	SRTA001	16	550	1,17	1/2"	SRTA100	16	900	2,32	1/2"	SRTE001	16	250	2,97	3/4"	SRBC010	16	5	34,93
3/4"	SRTA002	16	700	1,46	3/4"	SRTA101	16	700	2,64	3/4"	SRTE002	16	360	3,07	1"	SRBC011	16	5	38,03
1"	SRTA003	16	500	1,77	1"	SRTA102	16	450	3,17	1"	SRTE003	16	200	3,83	1 1/4"	SRBC012	16	5	39,94
1 1/4"	SRTA004	16	280	2,11	1 1/4"	SRTA103	16	230	4,91	1 1/4"	SRTE004	16	110	7,00					
1 1/2"	SRTA005	16	400	2,24	1 1/2"	SRTA104	16	320	5,71	1 1/2"	SRTE005	16	80	12,16					
2"	SRTA006	16	260	3,01	2"	SRTA105	16	220	7,27	2"	SRTE006	16	45	17,32					
2 1/2"	SRTA007	12	60	8,75	2 1/2"	SRTA106	12	60	11,18	2 1/2"	SRTE007	12	15	54,58					
3"	SRTA008	10	90	11,18	3"	SRTA107	10	70	16,44	3"	SRTE008	10	19	70,64					
4"	SRTA009	10	27	21,45	4"	SRTA108	10	24	25,29	4"	SRTE009	10	9	106,66					

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	6,05	½"F x ½"PG	SRPG001	16	10	3,83	½"F x ½"PG	SRPG010	16	850	12,43	½"M x ¾"F	SRMG001	16	240	2,26
¾"	SRBC002	16	370	6,82	¾"F x ½"PG	SRPG002	16	200	4,48										
1"	SRBC003	16	240	8,40	¾"F x ¾"PG	SRPG003	16	350	4,58										
1" x ¾"	SRBC004	16	240	8,73	1"F x ½"PG	SRPG004	16	150	4,95										
1"¼	SRBC005	16	150	10,68	1"F x ¾"PG	SRPG005	16	250	5,07										
1"¼ x 1	SRBC006	16	155	10,92															
1"½	SRBC007	16	100	15,09															
2"	SRBC008	16	70	22,53															

Price List

Various Fittings > Hansen Threaded

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	1,59	¾" x ½"	SRMR001	16	400	1,91	¾" x ½"	SRNP100	16	500	2,25	¾" x ½"	SRPG011	16	340	14,58
1" x ½"	SRRD002	16	500	1,64	1" x ½"	SRMR002	16	270	2,24	1" x ½"	SRNP101	16	170	2,63	1" x ¾"	SRPG012	16	200	18,97
1" x ¾"	SRRD003	16	1.000	1,64	1" x ¾"	SRMR003	16	250	2,24	1" x ¾"	SRNP102	16	700	2,63	1" ¼ x 1"	SRPG013	16	110	30,76
1" ¼ x ½"	SRRD004	16	600	2,62	1" ¼ x ¾"	SRMR004	16	160	3,19	1" ¼ x ¾"	SRNP104	16	80	3,76	1" ½ x 1" ¼	SRPG014	16	60	36,99
1" ¼ x ¾"	SRRD005	16	600	2,62	1" ¼ x 1"	SRMR005	16	150	3,19	1" ¼ x 1"	SRNP105	16	400	3,76	2" x 1" ½	SRPG015	16	40	46,29
1" ¼ x 1"	SRRD006	16	700	2,62	1" ½ x ¾"	SRMR006	16	150	5,45	1" ½ x ¾"	SRNP107	16	120	4,36					
1" ½ x ½"	SRRD007	16	500	5,02	1" ½ x 1"	SRMR007	16	120	5,53	1" ½ x 1"	SRNP108	16	310	4,36					
1" ½ x ¾"	SRRD008	16	500	4,56	1" ½ x 1" ¼	SRMR008	16	110	5,02	1" ½ x 1" ¼	SRNP109	16	290	4,36					
1" ½ x 1"	SRRD009	16	500	4,56	2" x ¾"	SRMR009	16	90	7,10	2" x ¾"	SRNP111	16	180	5,66					
1" ½ x 1" ¼	SRRD010	16	500	4,56	2" x 1"	SRMR010	16	90	7,10	2" x 1"	SRNP112	16	180	5,66					
2" x ½"	SRRD011	16	270	6,71	2" x 1" ¼	SRMR011	16	70	7,10	2" x 1" ¼	SRNP113	16	160	5,66					
2" x ¾"	SRRD012	16	280	5,77	2" x 1" ½	SRMR012	16	70	6,50	2" x 1" ½	SRNP114	16	160	5,66					
2" x 1"	SRRD013	16	280	5,77	2" ½ x 1" ½	SRMR013	12	110	32,64	2" ½ x 1" ¼	SRNP115	12	100	11,18					
2" x 1" ¼	SRRD014	16	280	5,77	2" ½ x 2"	SRMR014	12	40	32,64	2" ½ x 1" ½	SRNP116	12	100	11,18					
2" x 1" ½	SRRD015	16	280	5,77	3" x 2"	SRMR015	10	60	40,88	2" ½ x 2"	SRNP117	12	40	11,18					
2" ½ x 1" ¼	SRRD016	12	70	11,86	3" x 2" ½	SRMR016	10	25	40,88	3" x 1" ½	SRNP118	10	70	14,80					
2" ½ x 1" ½	SRRD017	12	160	11,86	4" x 2" ½	SRMR017	10	36	55,73	3" x 2"	SRNP119	10	96	14,80					
2" ½ x 2"	SRRD018	12	150	11,86	4" x 3"	SRMR018	10	24	55,73	3" x 2" ½	SRNP120	10	64	14,80					
3" x 1" ½	SRRD019	10	40	15,08						4" x 2"	SRNP121	10	36	26,27					
3" x 2"	SRRD020	10	100	15,08						4" x 2" ½	SRNP122	10	36	26,27					
3" x 2" ½	SRRD021	10	50	15,08						4" x 3"	SRNP123	10	18	26,27					
4" x 2"	SRRD022	10	30	24,74															
4" x 2" ½	SRRD023	10	30	24,74															
4" x 3"	SRRD024	10	63	24,74															

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	10,37	1" ¼	RAT020	16	150	11,33	1" ¼	RAT023	16	150	10,63
¾"	RAT011	16	160	11,37	1" ½	RAT021	16	100	14,13	1" ½	RAT024	16	50	14,95
1"	RAT012	16	110	13,64	2"	RAT022	16	60	18,18	2"	RAT025	16	60	19,47
1" ¼	RAT013	16	70	15,96										
1" ½	RAT014	16	55	22,39										
2"	RAT015	16	40	27,28										
3"	RAT016	10	18	68,24										
4"	RAT017	10	10	97,92										

Nut					Large nut				
									
Ø	Code	PN	Box	€/each	Ø	Code	PN	Box	€/each
½"	SRDD001	16	10	1,90	½"	SRDD005	16	10	2,67
¾"	SRDD002	16	10	2,14					
1"	SRDD003	16	10	2,51					
1" ¼	SRDD004	16	10	3,05					



Price List

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	0,51	½"	RG0200	10	1,34	½"	RTE150	10	1,54	½"	RTA106	10	0,66
¾"	RNP101	10	0,56	¾"	RG0201	10	1,58	¾"	RTE151	10	1,84	¾"	RTA107	10	0,75
1"	RNP102	10	0,66	1"	RG0202	10	2,18	1"	RTE152	10	2,74	1"	RTA108	10	0,96
1¼"	RNP103	6	0,84	1¼"	RG0203	6	3,47	1¼"	RTE155	6	4,25	1¼"	RTA109	6	1,41
1½"	RNP104	6	1,61	1½"	RG0204	6	4,50	1½"	RTE153	6	5,80	1½"	RTA110	6	1,54
2"	RNP105	6	1,91	2"	RG0205	6	5,69	2"	RTE154	6	7,19	2"	RTA111	6	2,25
2½"	RNP106	6	4,78	2½"	RG0206	6	13,20	2½"	RTE156	6	20,87	2½"	RTA125	6	7,00
3"	RNP107	6	5,33	3"	RG0207	6	19,00	3"	RTE157	6	30,81	3"	RTA126	6	9,70
4"	RNP108	6	9,57	4"	RG0208	6	24,00	4"	RTE158	6	42,50	4"	RTA127	6	14,78

Plug				M/F reduction				Reduced sleeve				Reduced nipple			
															
Ø	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€
½"	RTA100	10	0,70	¾" x ½"	RRD050	10	0,91	¾" x ½"	RMR050	10	1,74	¾" x ½"	RNP050	10	0,58
¾"	RTA101	10	0,82	1" x ½"	RRD051	10	1,12	1" x ½"	RMR051	10	2,03	1" x ½"	RNP052	10	0,70
1"	RTA102	10	0,84	1" x ¾"	RRD052	10	1,12	1" x ¾"	RMR052	10	2,03	1" x ¾"	RNP055	10	0,70
1¼"	RTA103	6	1,41	1" ¼ x ½"	RRD058	6	2,25	1" ¼ x ¾"	RMR053	6	2,99	1" ¼ x ¾"	RNP053	6	1,61
1½"	RTA104	6	1,64	1" ¼ x ¾"	RRD054	6	2,25	1" ¼ x 1"	RMR054	6	2,99	1" ¼ x 1"	RNP054	6	1,30
2"	RTA105	6	2,00	1" ¼ x 1"	RRD055	6	2,25	1" ½ x ¾"	RMR055	6	5,05	1" ½ x ¾"	RNP059*	6	1,68
2½"	RTA120	6	4,15	1" ½ x ½"	RRD056	6	3,43	1" ½ x 1"	RMR056	6	5,05	1" ½ x 1"	RNP056	6	1,52
3"	RTA121	6	5,20	1" ½ x ¾"	RRD057	6	3,43	1" ½ x 1" ¼"	RMR057	6	4,60	1" ½ x 1" ¼"	RNP051	6	1,52
				1" ½ x 1"	RRD059	6	3,43	2" x ¾"	RMR058	6	6,46	2" x ¾"	RNP060	6	2,45
				1" ½ x 1" ¼"	RRD053	6	3,43	2" x 1"	RMR059	6	6,46	2" x 1"	RNP058	6	2,08
				2" x ½"	RRD064	6	4,39	2" x 1" ¼"	RMR060	6	6,46	2" x 1" ¼"	RNP061	6	1,89
				2" x ¾"	RRD060	6	4,39	2" x 1" ½"	RMR061	6	5,92	2" x 1" ½"	RNP057	6	2,14
				2" x 1"	RRD061	6	4,39					3" x 2" ½"	RNP062	6	3,30
				2" x 1" ¼"	RRD065	6	4,39					*While stocks last			
				2" x 1" ½"	RRD063	6	4,39								
				3" x 2"	RRD066	6	10,44								
				3" x 2" ½"	RRD067	6	10,44								
				4" x 2"	RRD068	6	12,50								
				4" x 2" ½"	RRD049	6	10,86								
				4" x 3"	RRD069	6	12,50								

Sleeve



Ø	Code	PN	€
½"	RMF100	10	0,83
¾"	RMF101	10	1,03
1"	RMF102	10	1,18
1¼"	RMF103	6	2,44
1½"	RMF104	6	3,69
2"	RMF105	6	4,90
2½"	RMF106	6	14,70
3"	RMF107	6	17,40

Price List



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	€
3/4" x 1/2"	RNP140	10	0,47	1/2"	RNP131	10	0,43	1/2"	RG0160	10	2,07	1/2"	RTA130	10	0,43
1" x 1/2"	RNP144	10	0,97	3/4"	RNP132	10	0,48	3/4"	RG0161	10	2,42	3/4"	RTA131	10	0,47
1" x 3/4"	RNP141	10	0,97	1"	RNP133	10	1,05	1"	RG0162	10	2,69	1"	RTA132	10	1,05
1" 1/4 x 3/4"	RNP145*	6	1,90	1" 1/4	RNP134	6	2,13	1" 1/4	RG0163	6	5,30	1" 1/4	RTA133	6	1,84
1" 1/4 x 1"	RNP142	6	1,99	1" 1/2	RNP135	6	2,50	1" 1/2	RG0164	6	6,27	1" 1/2	RTA134	6	1,98
1" 1/2 x 1"	RNP143	6	2,34	2"	RNP136	6	3,39	2"	RG0165	6	10,11	2"	RTA135	6	2,34
1" 1/2 x 1" 1/4	RNP146	6	2,34												
2" x 1" 1/2	RNP149	6	3,29												

*While stocks last

Coupling with o-ring				Tee with o-ring			
							
Ø	Code	PN	€	Ø	Code	PN	€
1/2"	RMF130	10	0,78	1/2"	RTE130	10	2,13
3/4"	RMF131	10	1,05	3/4"	RTE131	10	2,64
1"	RMF132	10	1,52	1"	RTE132	10	2,92
1" 1/4	RMF134	6	2,26	1" 1/4	RTE133	6	5,67
1" 1/2	RMF135	6	4,27	1" 1/2	RTE134	6	6,47
2"	RMF136	6	6,10	2"	RTE135	6	10,85

Various Fittings > Plasson Saddles



DESCRIPTION

Specifics

- Minimum 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										Double saddles*				
																			
Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.	Ø	Code	PN	B.	€/ea.
20 x 1/2"	RPS001	10	400	2,58	20 x 1/2"	RPS099	12,5	400	3,45	110 x 3/4"	RPS140	10	38	9,17	40 x 3/4" x 3/4"	RPS157	6	1	5,54
25 x 1/2"	RPS002	10	300	2,69	25 x 1/2"	RPS103	12,5	300	3,45	110 x 1"	RPS133	10	36	9,17	50 x 3/4" x 3/4"	RPS160	6	1	6,06
25 x 3/4"	RPS003	10	300	2,69	25 x 3/4"	RPS102	12,5	300	3,45	110 x 1 1/4"	RPS139	10	36	9,17	63 x 3/4" x 3/4"	RPS168	6	1	7,70
32 x 1/2"	RPS004	10	150	2,69	32 x 1/2"	RPS100	12,5	150	3,75	110 x 1 1/2"	RPS131	10	36	9,17	75 x 1" x 1"	RPS170	6	1	10,08
32 x 3/4"	RPS005	10	150	2,69	32 x 3/4"	RPS106	12,5	150	3,75	110 x 2"	RPS132	10	30	9,17	90 x 3/4" x 3/4"	RPS175	6	1	12,92
32 x 1"	RPS006	10	150	2,69	32 x 1"	RPS101	12,5	150	3,75	125 x 3/4"	RPS148	10	30	12,42	90 x 2" x 2"	RPS179	6	1	12,92
40 x 1/2"	RPS007	10	150	3,28	40 x 1/2"	RPS104	12,5	150	4,11	125 x 1"	RPS134	10	30	12,42	*Other double saddles sizes available on request				
40 x 3/4"	RPS008	10	150	3,28	40 x 3/4"	RPS105	12,5	150	4,11	125 x 1 1/4"	RPS146	10	30	12,42					
40 x 1"	RPS009	10	150	3,28	40 x 1"	RPS127	12,5	150	4,11	125 x 1 1/2"	RPS125	10	30	12,42					
50 x 1/2"	RPS010	10	100	3,40	50 x 1/2"	RPS107	12,5	100	4,83	125 x 2"	RPS135	10	25	12,42					
50 x 3/4"	RPS011	10	100	3,40	50 x 3/4"	RPS108	12,5	100	4,83	140 x 1 1/2"	RPS136	10	24	18,30					
50 x 1"	RPS012	10	100	3,40	50 x 1"	RPS109	12,5	100	4,83	140 x 2"	RPS126	10	20	18,30					
50 x 1 1/4"	RPS034	6	100	3,40	50 x 1 1/4"	RPS130	12,5	100	4,83	160 x 1"	RPS143	10	20	25,96					
63 x 1/2"	RPS013	10	70	4,16	63 x 1/2"	RPS110	12,5	70	5,71	160 x 1 1/4"	RPS147	10	20	25,96					
63 x 3/4"	RPS014	10	70	4,16	63 x 3/4"	RPS111	12,5	70	5,71	160 x 1 1/2"	RPS129	10	20	25,96					
63 x 1"	RPS015	10	70	4,16	63 x 1"	RPS112	12,5	70	5,71	160 x 2"	RPS138	10	20	25,96					
63 x 1 1/4"	RPS017	6	70	4,16	63 x 1 1/4"	RPS114	12,5	70	5,71	180 x 1 1/2"	RPS141	10	16	43,22					
63 x 1 1/2"	RPS016	6	60	4,16	63 x 1 1/2"	RPS113	12,5	60	5,71	180 x 2"	RPS144	10	16	43,22					
75 x 1/2"	RPS018	10	60	6,56	75 x 1/2"	RPS115	12,5	60	7,14										
75 x 3/4"	RPS019	10	55	6,56	75 x 3/4"	RPS116	12,5	55	7,14										
75 x 1"	RPS020	10	55	6,56	75 x 1"	RPS117	10	55	7,14										
75 x 1 1/4"	RPS021	6	55	6,56	75 x 1 1/4"	RPS118	10	55	7,14										
75 x 1 1/2"	RPS022	6	50	6,56	75 x 1 1/2"	RPS119	10	50	7,14										
75 x 2"	RPS029	6	50	6,56	75 x 2"	RPS120	10	50	7,14										
90 x 1/2"	RPS024	10	45	7,59	90 x 1/2"	RPS121	12,5	45	8,14										
90 x 3/4"	RPS025	10	45	7,59	90 x 3/4"	RPS122	12,5	45	8,14										
90 x 1"	RPS026	10	45	7,59	90 x 1"	RPS123	10	45	8,14										
90 x 1 1/4"	RPS030	6	40	7,59	90 x 1 1/4"	RPS142	10	40	8,14										
90 x 1 1/2"	RPS028	6	40	7,59	90 x 1 1/2"	RPS128	10	40	8,14										
90 x 2"	RPS027	6	40	7,59	90 x 2"	RPS124	10	40	8,14										
110 x 3/4"	RPS039	6	38	9,84															
110 x 1 1/2"	RPS041	6	36	9,84															
110 x 2"	RPS036	6	30	9,84															
125 x 3/4"	RPS042	6	30	12,42															

Price List



Various Fittings > SPS Saddles



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	1,14	25 x 1/2"	RPS301	16	180	3,77
25 x 1/2"	RPS501	10	180	1,23	25 x 3/4"	RPS302	16	180	3,77
25 x 3/4"	RPS502	10	180	1,23	32 x 1/2"	RPS303	16	150	4,00
32 x 1/2"	RPS503	10	150	1,37	32 x 3/4"	RPS304	16	150	4,00
32 x 3/4"	RPS504	10	150	1,37	32 x 1"	RPS305	16	120	4,38
32 x 1"	RPS505*	10	150	-	40 x 1/2"	RPS306	16	100	4,88
40 x 1/2"	RPS506	10	100	1,65	40 x 3/4"	RPS307	16	100	4,88
40 x 3/4"	RPS507	10	100	1,65	40 x 1"	RPS308	16	100	4,88
40 x 1"	RPS508	10	100	1,65	50 x 1/2"	RPS309	16	80	6,62
50 x 1/2"	RPS509	10	80	1,80	50 x 3/4"	RPS300	16	80	6,62
50 x 3/4"	RPS510	10	80	1,80	50 x 1"	RPS310	16	80	6,62
50 x 1"	RPS511	10	80	1,80	63 x 1/2"	RPS311	16	50	7,96
63 x 1/2"	RPS513	10	90	2,53	63 x 3/4"	RPS312	16	50	7,96
63 x 3/4"	RPS514	10	90	2,53	63 x 1"	RPS313	16	50	7,96
63 x 1"	RPS515	10	90	2,53	63 x 1 1/4"	RPS314	16	50	7,96
63 x 1 1/4"	RPS516	6	90	2,53	63 x 1 1/2"	RPS315	16	40	9,32
63 x 1 1/2"	RPS517	6	90	2,53	75 x 1/2"	RPS316	16	40	8,55
75 x 1/2"	RPS518	10	60	3,43	75 x 3/4"	RPS317	16	40	8,55
75 x 3/4"	RPS519	10	60	3,43	75 x 1"	RPS318	16	40	8,55
75 x 1"	RPS520	10	60	3,43	75 x 1 1/4"	RPS319	16	40	8,55
75 x 1 1/4"	RPS521	6	60	3,43	75 x 1 1/2"	RPS320	16	35	11,57
75 x 1 1/2"	RPS522	6	60	4,62	75 x 2"	RPS321	16	30	11,57
75 x 2"	RPS523	6	60	4,62	90 x 1/2"	RPS322	16	30	11,51
90 x 1/2"	RPS524	6	50	3,69	90 x 3/4"	RPS323	16	30	11,51
90 x 3/4"	RPS525	6	50	3,69	90 x 1"	RPS324	16	30	11,51
90 x 1"	RPS526	6	50	3,69	90 x 1 1/4"	RPS325	16	30	11,51
90 x 1 1/4"	RPS527	6	50	3,69	90 x 1 1/2"	RPS326	16	25	12,51
90 x 1 1/2"	RPS528	6	50	4,84	90 x 2"	RPS327	16	25	12,51
90 x 2"	RPS529	6	50	4,84	110 x 1/2"	RPS328	16	20	15,01
110 x 1/2"	RPS530	6	40	4,93	110 x 1"	RPS330	16	20	15,01
110 x 3/4"	RPS531	6	40	4,93	110 x 1 1/2"	RPS332	16	15	15,01
110 x 1"	RPS532	6	40	4,93	160 x 1"	RPS341	16	10	24,50
110 x 1 1/4"	RPS533	6	40	4,93					
110 x 1 1/2"	RPS534	6	40	4,93					
110 x 2"	RPS535	6	40	4,93					

*While stocks last



Price List

Various Fittings > Electrofusion - Head-Head



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/
EN ISO 15494-UNI EN 1555/UNI ISO 4437 type 316-UNI
EN 12666-UNI EN 1092-UNI 9736

- 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

- 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	5,74	20	ATAE050	16	100	12,68	20	AGOE029	16	80	16,65	20	AGOE001	16	50	15,99
25	ABGE002	16 - 25	80	6,18	25	ATAE051	16	80	13,35	25	AGOE030	16	60	16,65	25	AGOE002	16	50	16,54
32	ABGE003	16 - 25	50	6,40	32	ATAE052	16	60	15,22	32	AGOE031	16	40	17,64	32	AGOE003	16	40	16,54
40	ABGE004	16 - 25	32	7,06	40	ATAE053	16	30	16,98	40	AGOE032	16	20	22,61	40	AGOE004	16	20	22,05
50	ABGE005	16 - 25	24	9,71	50	ATAE054	16	24	25,36	50	AGOE033	16	8	26,69	50	AGOE005	16	15	26,46
63	ABGE006	16 - 25	15	10,26	63	ATAE055	16	15	28,12	63	AGOE018	16	12	27,90	63	AGOE006	16	9	28,45
75	ABGE007	16 - 25	10	15,99	75	ATAE056	16	10	44,10	75	AGOE019	16	6	39,81	75	AGOE007	16	5	39,81
90	ABGE008	16 - 25	8	17,31	90	ATAE057	16	12	62,85	90	AGOE020	16	9	47,19	90	AGOE008	16	6	46,31
110	ABGE009	16 - 25	4	21,72	110	ATAE058	16	8	79,94	110	AGOE021	16	5	67,04	110	AGOE009	16	4	65,93
125	ABGE010	16 - 25	6	30,76	125	ATAE059	16	6	97,58	125	AGOE022	16	5	88,65	125	AGOE010	16	3	89,75
140	ABGE011	16 - 25	4	43,22	140	ATAE060	16	4	130,10	160	AGOE024	16	2	169,79	160	AGOE012	16	1	170,89
160	ABGE012	16 - 25	4	46,09	160	ATAE061	16	3	137,82	180	AGOE025	16	1	303,74	180	AGOE013	16	1	308,70
180	ABGE013	16 - 25	7	62,52	180	ATAE062	16	3	181,92	200	AGOE026	16	1	380,48	200	AGOE014	16	1	386,10
200	ABGE014	16 - 25	6	68,14	200	ATAE063	16	3	212,79	225	AGOE027	16	1	556,44	225	AGOE015	16	1	556,44
225	ABGE015	16 - 25	5	110,14	225	ATAE064	16	2	270,12										
250	ABGE016	16 - 25	1	164,72	250	ATAE065	16	4	402,42										
280	ABGE018	16 - 25	1	221,50	280	ATAE066	16	1	556,77										
315	ABGE017	16 - 25	1	261,19	315	ATAE067	16	2	700,09										

Price List



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	50,06	63 x 32	ACPE103	16	10	69,35	63 x 32	ACVE001	16	8	391,83
75 x 32	ACLE014	16	40	51,16	63 x 63	ACPE105	16	9	76,19	90 x 32	ACVE002	16	6	414,54
75 x 50	ACLE016	16	30	54,58	90 x 32	ACPE108	16	8	78,39	110 x 63	ACVE003	16	8	425,90
90 x 32	ACLE018	16	30	55,13	90 x 63	ACPE109	16	6	82,69	125 x 63	ACVE004	16	5	431,52
90 x 50	ACLE020	16	30	55,13	110 x 32	ACPE110	16	6	85,23	160 x 63	ACVE006	16	6	442,88
90 x 63	ACLE021	16	20	56,78	110 x 63	ACPE112	16	6	90,85	180 x 63	ACVE007	16	6	488,30
110 x 32	ACLE030	16	30	60,64	125 x 32	ACPE113	16	8	96,58	200 x 63	ACVE008	16	6	499,66
110 x 63	ACLE022	16	20	85,23	125 x 63	ACPE114	16	5	107,94	225 x 63	ACVE009	16	6	573,30
110 x 90	ACPE016	16	15	126,79	160 x 32	ACPE118	16	10	119,30					
125 x 32	ACLE033	16	30	63,95	160 x 63	ACPE120	16	8	142,01					
125 x 63	ACPE024	16	20	85,23	200 x 32	ACPE122	16	6	181,70					
125 x 90	ACPE017	16	15	147,74	200 x 63	ACPE124	16	6	187,43					
140 x 32	ACLE035	16	30	79,50	225 x 32	ACPE125	16	6	198,79					
140 x 63	ACLE007	16	30	79,50	225 x 63	ACPE126	16	6	215,76					
160 x 32	ACLE038	16	30	82,69										
160 x 63	ACLE511	16	30	90,85										
160 x 90	ACPE019	16	6	158,99										
160 x 110	ACPE020	16	6	164,72										
180 x 32	ACLE042	16	30	85,23										
180 x 63	ACLE045	16	30	96,58										
180 x 90	ACLE032	16	6	148,84										
180 x 110	ACLE049	16	6	158,99										
200 x 32	ACLE050	16	30	111,36										
225 x 32	ACLE051	16	30	127,23										
225 x 63	ACLE052	16	30	128,34										
225 x 90	ACPE022	16	8	164,72										
225 x 110	ACLE053	16	6	165,38										
250 x 63	ACLE048	16	30	170,34										
250 x 90	ACLE512	16	6	181,70										
315 x 63	ACLE060	16	7	181,70										

90° tee					Reduction					Ball valve				
														
Ø	Code	PN	Box	€/each	Ø	Code	PN	Box	€/each	Ø	Code	PN	B.	€/each
20	ATEE049	16	50	17,64	25 x 20	AMRE001	16	70	12,13	32	AVSE003	16	1	295,25
25	ATEE050	16	40	18,20	32 x 20	AMRE002	16	50	13,23	50	AVSE005	16	1	369,12
32	ATEE052	16	25	19,30	32 x 25	AMRE003	16	50	13,23	63	AVSE006	16	1	499,66
40	ATEE053	16	18	22,17	40 x 20	AMRE023	16	40	15,22	90	AVSE008	16	1	749,48
50	ATEE054	16	12	25,03	40 x 25	AMRE024	16	40	15,22	110	AVSE009	16	1	908,46
63	ATEE055	16	12	28,67	40 x 32	AMRE004	16	30	17,09	125	AVSE010	16	1	942,53
75	ATEE056	16	8	44,33	50 x 25	AMRE026	16	30	21,17	160	AVSE011	16	1	2.628,92
90	ATEE057	16	5	48,51	50 x 32	AMRE027	16	20	21,39	180	AVSE012	16	1	2.651,63
110	ATEE058	16	3	68,14	50 x 40	AMRE006	16	20	23,60	225	AVSE014	16	1	3.866,69
125	ATEE059	16	2	90,85	63 x 32	AMRE007	16	18	27,57					
160	ATEE061	16	1	184,01	63 x 40	AMRE008	16	14	27,57					
180	ATEE062	16	1	366,03	63 x 50	AMRE009	16	12	28,01					
200	ATEE063	16	1	472,43	75 x 50	AMRE011	16	12	36,39					
225	ATEE064	16	1	562,17	75 x 63	AMRE010	16	10	39,81					
					90 x 63	AMRE012	16	6	43,00					
					110 x 63	AMRE013	16	12	69,46					
					110 x 90	AMRE014	16	12	69,46					
					125 x 90	AMRE015	16	6	87,54					
					125 x 110	AMRE016	16	6	96,58					
					160 x 90	AMRE031	16	4	121,28					
					160 x 110	AMRE018	16	4	124,59					
					225 x 160	AMRE022	16	2	283,90					



Price List

Various Fittings > Head-Head



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	13,68	63	AGOE096	11-16	50	13,68	63 x 32	ARDE047	11-16	30	8,05	75 x 63	ARDE056	17-10	15	REQ.
75	AGOE156	11-16	20	17,09	75	AGOE097	11-16	30	18,20	63 x 40	ARDE003	11-16	30	8,05	90 x 63	ARDE058	17-10	12	REQ.
90	AGOE157	11-16	25	21,06	90	AGOE098	11-16	24	21,06	63 x 50	ARDE004	11-16	25	8,94	90 x 75	ARDE059	17-10	12	REQ.
110	AGOE158	11-16	12	37,49	110	AGOE103	11-16	12	38,70	75 x 50	ARDE006	11-16	20	14,78	110 x 63	ARDE060	17-10	8	REQ.
125	AGOE163	11-16	10	53,48	125	AGOE104	11-16	24	53,48	75 x 63	ARDE007	11-16	15	14,78	110 x 90	ARDE062	17-10	5	REQ.
140	AGOE130	11-16	8	73,87	140	AGOE105	11-16	20	73,87	90 x 63	ARDE009	11-16	12	18,20	125 x 63	ARDE063	17-10	6	REQ.
160	AGOE159	11-16	6	79,50	160	AGOE099	11-16	20	79,50	90 x 75	ARDE010	11-16	12	18,20	125 x 90	ARDE065	17-10	12	REQ.
180	AGOE160	11-16	2	97,69	180	AGOE113	11-16	5	100,00	110 x 63	ARDE012	11-16	8	23,93	125 x 110	ARDE066	17-10	4	REQ.
200	AGOE167	11-16	2	130,10	200	AGOE110	11-16	1	144,32	110 x 90	ARDE014	11-16	5	23,93	140 x 125	ARDE070	17-10	2	REQ.
225	AGOE168	11-16	1	192,94	250	AGOE109	11-16	1	369,34	125 x 63	ARDE015	11-16	6	26,13	160 x 90	ARDE071	17-10	2	REQ.
250	AGOE169	11-16	3	297,68	280	AGOE102	11-16	1	551,25	125 x 90	ARDE048	11-16	12	28,45	160 x 110	ARDE072	17-10	2	REQ.
280	AGOE170	11-16	3	551,25	315	AGOE111	11-16	1	689,07	125 x 110	ARDE049	11-16	4	28,45	160 x 125	ARDE073	17-10	2	REQ.
315	AGOE171	11-16	1	689,07						140 x 125	ARDE019	11-16	2	40,91	180 x 125	ARDE076	17-10	1	REQ.
										160 x 90	ARDE020	11-16	2	51,16	180 x 160	ARDE078	17-10	1	REQ.
										160 x 110	ARDE021	11-16	2	51,16	200 x 160	ARDE103	17-10	1	REQ.
63	AGOE137	17-10	60	REQ.	90	AGOE112	17-10	24	REQ.	160 x 125	ARDE022	11-16	2	51,16	225 x 160	ARDE084	17-10	1	REQ.
75	AGOE138	17-10	20	REQ.	110	AGOE123	17-10	12	REQ.	160 x 140	ARDE023	11-16	2	51,16	250 x 200	ARDE088	17-10	1	REQ.
90	AGOE139	17-10	25	REQ.	125	AGOE820	17-10	24	REQ.	180 x 125	ARDE024	11-16	1	87,54	280 x 250	ARDE090	17-10	1	REQ.
110	AGOE140	17-10	12	REQ.	140	AGOE115	17-10	20	REQ.	180 x 160	ARDE026	11-16	1	87,54	315 x 200	ARDE091	17-10	1	REQ.
125	AGOE141	17-10	10	REQ.	160	AGOE124	17-10	20	REQ.	200 x 160	ARDE028	11-16	1	96,58					
140	AGOE136	17-10	8	REQ.	250	AGOE128	17-10	1	REQ.	225 x 160	ARDE032	11-16	1	155,46					
160	AGOE142	17-10	6	REQ.	280	AGOE121	17-10	1	REQ.	250 x 160	ARDE033	11-16	1	209,48					
180	AGOE143	17-10	2	REQ.	315	AGOE122	17-10	1	REQ.	250 x 200	ARDE035	11-16	1	217,20					
200	AGOE892	17-10	2	REQ.						280 x 250	ARDE037	11-16	1	289,96					
225	AGOE144	17-10	1	REQ.						315 x 200	ARDE038	11-16	1	374,85					
250	AGOE145	17-10	3	REQ.															
280	AGOE146	17-10	3	REQ.															
315	AGOE147	17-10	1	REQ.															

Fittings

Price List



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	5,74	20	ATEE040	11-16	40	7,39	20	ATAE033	11-16	200	5,19	63-DN50	AFAE004	16	40	18,75
25	ACTE019	11-16	40	5,74	25	ATEE041	11-16	30	8,05	25	ATAE034	11-16	100	5,74	75-DN65	AFAE005	16	25	22,72
32	ACTE001	11-16	24	6,84	32	ATEE042	11-16	15	9,71	32	ATAE035	11-16	80	6,84	90-DN80	AFAE006	16	30	25,03
40	ACTE002	11-16	15	7,39	40	ATEE043	11-16	12	12,02	40	ATAE019	11-16	100	8,60	110-DN100	AFAE007	16	40	30,76
50	ACTE003	11-16	25	9,16	50	ATEE044	11-16	8	15,99	50	ATAE020	11-16	70	11,36	125-DN100	AFAE008	16	27	30,76
63	ACTE004	11-16	12	9,71	63	ATEE001	11-16	8	21,61	63	ATAE021	11-16	40	14,78	140-DN125	AFAE009	16	15	44,33
75	ACTE005	11-16	10	12,57	75	ATEE002	11-16	5	35,84	75	ATAE022	11-16	25	19,41	160-DN150	AFAE010	16	6	54,58
90	ACTE006	11-16	6	13,68	90	ATEE003	11-16	15	36,39	90	ATAE023	11-16	30	29,55	180-DN150	AFAE011	16	2	54,58
110	ACTE007	11-16	4	16,54	110	ATEE004	11-16	9	46,64	110	ATAE024	11-16	40	40,91	200-DN200	AFAE012	16	4	69,35
125	ACTE008	11-16	3	19,96	125	ATEE005	11-16	5	72,77	125	ATAE025	11-16	27	44,33	225-DN200	AFAE013	16	1	69,35
140	ACTE009	11-16	4	26,13	140	ATEE006	11-16	30	120,40	140	ATAE660	11-16	15	62,52	250-DN250	AFAE014	16	1	98,90
160	ACTE010	11-16	4	34,07	160	ATEE007	11-16	8	146,53	160	ATAE026	11-16	6	70,45	280-DN250	AFAE015	16	1	98,90
180	ACTE011	11-16	8	47,74	180	ATEE008	11-16	16	189,75	180	ATAE027	11-16	2	82,91	315-DN315	AFAE016	16	1	151,05
200	ACTE012	11-16	4	55,68	200	ATEE009	11-16	10	279,38	200	ATAE028	11-16	4	112,46	355-DN350	AFAE017	16	1	227,12
225	ACTE013	11-16	4	71,67	225	ATEE010	11-16	9	372,54	225	ATAE029	11-16	1	136,27	400-DN400	AFAE018	16	1	283,90
250	ACTE014	11-16	2	102,54	250	ATEE011	11-16	1	524,68	250	ATAE030	11-16	1	204,41					
280	ACTE015	11-16	2	167,58	280	ATEE045	11-16	1	786,97	280	ATAE031	11-16	1	289,63					
315	ACTE016	11-16	2	226,02	315	ATEE046	11-16	1	1.007,36	315	ATAE032	11-16	1	391,83					
355	ACTE017	11-16	1	350,60	355	ATEE047	11-16	1	1.987,26										
400	ACTE594	11-16	1	617,40	400	ATEE048	11-16	1	2.827,59										

63	ACTE023	17-10	12	REQ.	75	ATEE032	17-10	5	REQ.	63	ATAE001	17-10	40	REQ.
75	ACTE024	17-10	10	REQ.	90	ATEE012	17-10	15	REQ.	75	ATAE002	17-10	25	REQ.
90	ACTE025	17-10	6	REQ.	110	ATEE013	17-10	9	REQ.	90	ATAE003	17-10	30	REQ.
110	ACTE026	17-10	4	REQ.	125	ATEE014	17-10	5	REQ.	110	ATAE004	17-10	40	REQ.
125	ACTE027	17-10	3	REQ.	140	ATEE015	17-10	30	REQ.	125	ATAE005	17-10	27	REQ.
140	ACTE028	17-10	4	REQ.	160	ATEE016	17-10	8	REQ.	140	ATAE006	17-10	15	REQ.
160	ACTE029	17-10	4	REQ.	180	ATEE017	17-10	16	REQ.	160	ATAE007	17-10	6	REQ.
180	ACTE030	17-10	8	REQ.	200	ATEE018	17-10	10	REQ.	180	ATAE008	17-10	2	REQ.
200	ACTE031	17-10	4	REQ.	225	ATEE019	17-10	9	REQ.	200	ATAE009	17-10	4	REQ.
225	ACTE032	17-10	4	REQ.						225	ATAE010	17-10	1	REQ.
250	ACTE033	17-10	2	REQ.						250	ATAE011	17-10	1	REQ.
280	ACTE034	17-10	2	REQ.						280	ATAE012	17-10	1	REQ.
315	ACTE035	17-10	2	REQ.						315	ATAE013	17-10	1	REQ.
355	ACTE036	17-10	1	REQ.										
400	ACTE037	17-10	1	REQ.										



Price List

Metal Fittings > Underground Lines



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"	ATI001	10	80,20	60 mm x 2"	ACI010	10	176,80
80 mm x 3"	ATI002	10	99,00	80 mm x 3"	ACI011	10	183,60
100 mm x 4"	ATI003	10	119,30	100 mm x 4"	ACI012	10	237,60
120 mm x 5"	ATI004	10	177,60	120 mm x 5"	ACI013	10	336,20

End line elbow hydrant



Tee line hydrant



Line hydrant on Tee

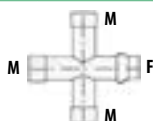


Flanged "S" for male

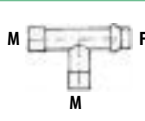


Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
110 x 4"	AID123-Z	260,50	110 x 4"	AID073-Z	233,80	110 x 4"	AID403-Z	276,10	DN80 x 90	ATL117-Z	270,50
125 x 4"	AID124-Z	281,60	125 x 4"	AID074-Z	258,30	125 x 4"	AID404-Z	325,00	DN100 x 110	ATL109-Z	331,70
140 x 4"	AID125-Z	289,40	140 x 4"	AID075-Z	271,60	140 x 4"	AID405-Z	346,20	DN100 x 125	ATL111-Z	346,20
160 x 4"	AID126-Z	300,60	160 x 4"	AID076-Z	285,00	160 x 4"	AID406-Z	368,50	DN125 x 125	ATL114-Z	475,30
									DN125 x 140	ATL116-Z	483,10
									DN150 x 140	ATL119-Z	746,90
									DN150 x 200	ATL120-Z	825,90

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	197,10	110	ATI047-Z	140,30	110	ACI047-Z	144,70	110	API022-Z	80,20
125	ACI023-Z	223,80	125	ATI048-Z	167,00	125	ACI048-Z	177,00	125	API023-Z	93,50
140	ACI024-Z	251,60	140	ATI049-Z	188,10	140	ACI049-Z	214,90	140	API024-Z	104,70
160	ACI025-Z	287,20	160	ATI050-Z	210,40	160	ACI050-Z	266,10	160	API025-Z	119,10

Female steel coupling rubber seals for PVC



Female bout



Flanged Tee



Flanged Cross



Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
110	RGN302	3,35	110 F X DN100	ABI022-Z	134,70	100	FCL409-Z	342,90	100	FCR022-Z	464,20
125	RGN303	4,45	125 F X DN125	ABI023-Z	185,90	125	FCL422-Z	454,20	125	FCR023-Z	622,20
140	RGN304	5,60	140 F X DN150	ABI024-Z	223,80	150	FCL441-Z	567,70	150	FCR024-Z	769,10
160	RGN305	6,70	160 F X DN150	ABI025-Z	228,20	200	FCL442-Z	758,00	200	FCR025-Z	1.054,10

Price List

DISCOUNT CATEGORY
A

Metal Fittings > Galvanized, Cast Iron



DESCRIPTION

Application

- Jointing 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	5,30	½"	FTZ009	25	10	1,50	½"	FBZ010	25	10	5,60	½"	FBZ060	25	10	7,70
¾"	FCR002	25	10	8,00	¾"	FTZ001	25	10	2,60	¾"	FBZ011	25	10	6,70	¾"	FBZ061	25	10	9,70
1"	FCR003	25	10	9,80	1"	FTZ002	25	10	3,90	1"	FBZ012	25	10	8,30	1"	FBZ062	25	10	13,20
1¼"	FCR005	25	1	13,20	1¼"	FTZ003	25	1	6,70	1¼"	FBZ014	25	1	13,10	1¼"	FBZ063	25	1	22,10
1½"	FCR006	25	1	17,50	1½"	FTZ004	25	1	10,30	1½"	FBZ013	25	1	16,80	1½"	FBZ064	25	1	27,00
2"	FCR007	25	1	26,10	2"	FTZ005	25	1	14,50	2"	FBZ015	25	1	26,80	2"	FBZ065	25	1	44,60
2½"	FCR009	25	1	59,00	2½"	FTZ006	25	1	32,40	2½"	FBZ016	25	1	58,50	2½"	FBZ066	25	1	98,80
3"	FCR008	25	1	67,90	3"	FTZ007	25	1	43,50	3"	FBZ017	25	1	91,30	3"	FBZ067	25	1	132,40
					4"	FTZ010	25	1	84,80										

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	1,20	½"	FMA001	25	10	1,30	½"	FGT001	25	10	1,30	½"	FGT020	25	10	1,20
¾"	FNZ001	25	10	1,50	¾"	FMA002	25	10	1,90	¾"	FGT002	25	10	2,10	¾"	FGT021	25	10	1,90
1"	FNZ003	25	10	2,20	1"	FMA003	25	10	2,40	1"	FGT003	25	10	3,40	1"	FGT022	25	10	2,60
1¼"	FNZ004	25	1	3,70	1¼"	FMA004	25	1	3,70	1¼"	FGT004	25	1	5,80	1¼"	FGT023	25	1	4,90
1½"	FNZ005	25	1	4,20	1½"	FMA005	25	1	5,20	1½"	FGT005	25	1	8,60	1½"	FGT024	25	1	7,90
2"	FNZ006	25	1	7,50	2"	FMA006	25	1	7,70	2"	FGT006	25	1	11,30	2"	FGT025	25	1	9,40
2½"	FNZ007	25	1	12,80	2½"	FMA007	25	1	20,70	2½"	FGT007	25	1	27,60	2½"	FGT026	25	1	26,50
3"	FNZ008	25	1	15,40	3"	FMA008	25	1	25,00	3"	FGT008	25	1	36,10	3"	FGT027	25	1	36,10
4"	FNZ010	25	1	57,30	4"	FMA009	25	1	57,30	4"	FGT009	25	1	62,10	4"	FGT028	25	1	64,70

Fittings



Price List

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	1,90	½"	FTZ051	25	10	1,00	¾"	150	FPR038	25	1	21,80
¾"	FTZ070	25	10	2,00	¾"	FTZ050	25	10	1,30	1"	150	FPR039	25	1	32,00
1"	FTZ071	25	10	2,10	1"	FTZ052	25	10	1,40	1"¼	150	FPR040	25	1	42,00
1"¼	FTZ077	25	1	3,10	1"¼	FTZ053	25	1	2,60	1"½	150	FPR041	25	1	49,30
1"½	FTZ072	25	1	4,00	1"½	FTZ054	25	1	3,10	2"	150	FPR042	25	1	66,70
2"	FTZ073	25	1	7,40	2"	FTZ055	25	1	5,50	1"¼	200	FPR043	25	1	56,00
2"½	FTZ074	25	1	12,80	2"½	FTZ056	25	1	11,80	1"½	200	FPR044	25	1	65,70
3"	FTZ075	25	1	14,40	3"	FTZ057	25	1	15,20	2"	200	FPR045	25	1	88,90
4"	FTZ079	25	1	31,20	4"	FTZ058	25	1	26,80	1"½	300	FPR046	25	1	98,50
										2"	300	FPR047	25	1	133,20

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	1,30	¾" x ½"	FMA020	25	10	2,40	½" x ¾"	FNZ037	25	100	2,80
1" x ½"	FRD002	25	10	1,70	1" x ½"	FMA021	25	10	3,50	¾" x ½"	FNZ036	25	100	2,40
1" x ¾"	FRD003	25	10	1,60	1" x ¾"	FMA022	25	10	3,80	1" x ½"	FNZ039	25	70	4,70
1"¼ x ½"	FRD004	25	1	2,90	1"¼ x 1"	FMA024	25	1	4,60	1" x ¾"	FNZ038	25	70	2,80
1"¼ x ¾"	FRD005	25	1	2,70	1"½ x 1"	FMA025	25	1	8,00	1"¼ x ½"	FNZ040	25	50	7,30
1"¼ x 1"	FRD006	25	1	2,50	1"½ x 1"¼	FMA028	25	1	7,00	1"¼ x ¾"	FNZ041	25	50	6,20
1"½ x ¾"	FRD007	25	1	4,30	2" x 1"¼	FMA026	25	1	11,30	1"¼ x 1"	FNZ015	25	50	4,30
1"½ x 1"	FRD008	25	1	2,90	2" x 1"½	FMA027	25	1	11,90	1"½ x ¾"	FNZ042	25	50	6,20
1"½ x 1"¼	FRD009	25	1	2,90						1"½ x 1"	FNZ016	25	40	9,80
2" x ¾"	FRD010	25	1	7,60						1"½ x 1"¼	FNZ021	25	30	5,20
2" x 1"	FRD011	25	1	6,30						2" x 1"¼	FNZ022	25	10	11,10
2" x 1"¼	FRD012	25	1	6,00						2" x 1"½	FNZ020	25	10	10,10
2" x 1"½	FRD013	25	1	5,30										
2"½ x 1"	FRD014	25	1	12,20										
2"½ x 1"¼	FRD015	25	1	14,10										
2"½ x 1"½	FRD016	25	1	13,30										
2"½ x 2"	FRD017	25	1	10,20										
3" x 2"	FRD021	25	1	13,20										
3" x 2"½	FRD022	25	1	14,90										

Price List

DISCOUNT CATEGORY
A

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	1,76	½"	FM0001	10	2,77	½"	FG0002	10	4,11	½"	FG0011	10	3,95	½"	FC0011	10	6,46
¾"	FN0003	10	2,76	¾"	FM0002	10	4,02	¾"	FG0003	10	6,84	¾"	FG0012	10	6,45	¾"	FC0012	10	11,55
1"	FN0004	10	5,54	1"	FM0003	10	7,24	1"	FG0004	10	10,13	1"	FG0013	10	10,40	1"	FC0013	10	17,57
1"¼	FN0005	1	7,39	1"¼	FM0004	1	9,27	1"¼	FG0006	1	16,47	1"¼	FG0014	1	15,53	1"¼	FC0014	10	24,14
1"½	FN0006	1	9,44	1"½	FM0005	1	13,16	1"½	FG0007	1	20,83	1"½	FG0015	1	20,11				
2"	FN0007	1	14,90	2"	FM0006	1	23,97	2"	FG0008	1	37,57	2"	FG0016	1	35,09				

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	5,41	½"	FB0002	10	6,19	½"	FB0016	10	10,58	½"	FT0043	10	1,46	½"	FT0021	10	1,15
¾"	FT0012	10	7,61	¾"	FB0003	10	9,64	¾"	FB0017	10	17,79	¾"	FT0044	10	2,19	¾"	FT0022	10	2,12
1"	FT0013	10	12,65	1"	FB0005	10	16,86	1"	FB0018	10	28,78	1"	FT0045	10	3,65	1"	FT0023	10	3,65
1"¼	FT0014	1	18,64	1"¼	FB0006	1	29,02	1"¼	FB0019	1	30,64	1"¼	FT0046	1	4,87	1"¼	FT0024	1	5,97
1"½	FT0015	1	24,34	1"½	FB0007	1	41,94	1"½	FB0020	1	73,18	1"½	FT0047	1	7,22	1"½	FT0025	1	9,13
2"	FT0016	1	41,27	2"	FB0008	1	75,70	2"	FB0021	1	177,03	2"	FT0048	1	10,93	2"	FT0026	1	14,99

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	28,50	½" x ¾"	FR0020	10	1,19	½" x ¾"	FM0014	10	2,15	½" x ¾"	FN0020	100	1,88
1"	FP0002	10	43,00	¾" x ½"	FR0023	10	1,81	¾" x ½"	FM0016	10	3,20	¾" x ½"	FN0023	100	2,63
				1" x ½"	FR0026	10	4,77	1" x ½"	FM0018	10	4,86	1" x ½"	FN0025	70	4,81
				1" x ¾"	FR0027	10	3,72	1" x ¾"	FM0019	10	5,05	1" x ¾"	FN0026	70	4,53
				1" ¼ x ¾"	FR0029	1	6,74	1" ¼ x 1"	FM0021	1	8,84	1" ¼ x ¾"	FN0027	40	6,98
				1" ¼ x 1"	FR0030	1	5,11	1" ½ x 1"¼	FM0023	1	10,25	1" ¼ x 1"	FN0028	40	7,11
				1" ½ x 1"	FR0032	1	8,57	2" x 1"½	FM0027	1	27,00	1" ½ x 1"	FN0029	40	8,82
				1" ½ x 1"¼	FR0033	1	5,94					1" ½ x 1"¼	FN0030	30	9,23
				2" x 1"	FR0034	1	15,01					2" x 1"¼	FN0031	10	14,81
				2" x 1"¼	FR0035	1	13,21					2" x 1"½	FN0032	10	14,89
				2" x 1"½	FR0036	1	11,42								

Price List

Metal Fittings > Spherical



DESCRIPTION

Application

- Mobile systems, agriculture and build-sites

Specifics

- Maximum working pressure: 10 bar
- Steel made
- High thickness hot galvanizing protection
- Hydraulic seal by rubber o-ring

Features

- Easy building of pressure hydraulic systems
- Removable and easy to transport
- Excellen hydraulic seal and resistance to pressure
- Complete range of models and diameters

Materials

- Body and lockings: galvanized steel
- Seal: NBR o-ring

Female hose adaptor galvanized ball coupling half				Male hose adaptor galvanized ball coupling half				Female threaded galvanized ball coupling half				Male threaded galvanized ball coupling half			
															
Ø	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€
60 mm	AGF001	10	24,88	60 mm	AGM001	10	16,88	60 mm x 2"	ASZ003	10	31,13	60 mm x 2"	ASZ016	10	23,00
80 mm	AGF002	10	30,13	80 mm	AGM002	10	21,00	80 mm x 2"½	ASZ006	10	36,75	80 mm x 2"½	ASZ014	10	30,13
100 mm	AGF003	10	36,63	100 mm	AGM003	10	28,13	80 mm x 3"	ASZ004	10	36,75	80 mm x 3"	ASZ015	10	30,38
120 mm	AGF004	10	49,50	120 mm	AGM004	10	39,63	100 mm x 3"	ASZ101	10	44,88	100 mm x 3"	ASZ012	10	37,75
150 mm	AGF005	10	63,25	150 mm	AGM005	10	57,75	100 mm x 4"	ASZ005	10	44,88	100 mm x 4"	ASZ018	10	40,75
								120 mm x 4"	ASZ002	10	62,75	120 mm x 4"	ASZ013	10	50,13
								120 mm x 5"	ASZ007	10	68,88	120 mm x 5"	ASZ019	10	54,13
								150 mm x 4"	ASZ690	10	89,13	150 mm x 4"	ASZ689	10	88,50
								150 mm x 5"	ASZ696	10	92,25	150 mm x 5"	ASZ695	10	92,00
								150 mm x 6"	ASZ692	10	96,38	150 mm x 6"	ASZ691	10	105,25

90° M/F spherical bend				45° M/F spherical bend				Spherical female flanged galvanized ball coupling half				Spherical male flanged galvanized ball coupling half			
															
Ø	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€
60 mm	ACZ001	10	50,88	60 mm	ACZ050	10	50,88	60 x DN65	ASZ901	10	77,88	60 mm x DN65	ASZ890	10	76,75
80 mm	ACZ002	10	61,50	80 mm	ACZ051	10	61,50	80 mm x DN80	ASZ900	10	91,75	80 mm x DN80	ASZ893	10	81,13
100 mm	ACZ003	10	80,25	100 mm	ACZ052	10	80,25	100 mm x DN100	ASZ902	10	106,25	100 mm x DN100	ASZ894	10	94,50
120 mm	ACZ004	10	109,75	120 mm	ACZ053	10	109,75	120 mm x DN120	ASZ903	10	155,00	100 mm x DN150	ASZ881	10	215,00
150 mm	ACZ005	10	150,38	150 mm	ACZ054	10	150,38	120 mm x DN150	ASZ882	10	210,00	120 mm x DN125	ASZ895	10	138,00
								150 mm x DN150	ASZ904	10	168,13	150 mm x DN150	ASZ896	10	158,63

Galvanized ball coupling half M deriv. M				Galvanized ball coupling half F deriv. M				M/F spherical double bend				M/F 90° spherical derivation			
															
Ø	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€	Ø	Code	PN	€
80 mm x 3" x 1"	ASZ050	10	53,25	80 mm x 3" x 1"	ASZ060	10	65,50	60 mm	ACD001	10	127,25	60 mm	ADS150	10	88,63
100 mm x 4" x ¾"	ASZ051	10	62,75	100 mm x 4" x ¾"	ASZ061	10	71,50	80 mm	ACD002	10	158,63	80 mm	ADS151	10	110,13
120 mm x 4" x 1"	ASZ057	10	76,00	120 mm x 4" x 1"	ASZ067	10	89,88	100 mm	ACD003	10	199,25	100 mm	ADS152	10	123,75
								120 mm	ACD004	10	276,38	120 mm	ADS149	10	155,00
								150 mm	ACD005	10	322,88	150 mm	ADS154	10	221,00

Price List



Metal Fittings > Spherical

Spherical derivation bend M/F			Spherical reduction			Female spherical plug		
Ø	Code	€	Ø	Code	€	Ø	Code	€
60 mm	ADS155	93,75	120 mm F x 100 mm M	ARD003	67,38	60 mm	ATP001	16,13
80 mm	ADS156	110,13	120 mm M x 100 mm F	ARD009	66,88	80 mm	ATP002	19,63
100 mm	ADS157	132,88	150 mm F x 120 mm M	ARD006	109,63	100 mm	ATP003	24,13
120 mm	ADS158	193,13	100 mm M x 80 mm F	ARD033	54,00	120 mm	ATP004	34,00
150 mm	ADS159	251,75	100 mm M x 80 mm M	ARD032	61,25	150 mm	ATP005	46,50
			150 mm M x 120 mm F	ARD005	96,00			

Spherical male foot valve				Vertical galvanized offtake sp.M x flange x sp.F			Spherical fittings rubber seals			
Ø	Code	PN	€	Ø	Code	€	Ø	Code	PN	€
60 mm	AVF001	10	124,50	sf.M150 x DN150 x sf.F150	ADS302	356,38	60 mm	AGS001	10	1,38
80 mm	AVF002	10	140,13				80 mm	AGS002	10	1,63
100 mm	AVF003	10	161,00				100 mm	AGS003	10	2,25
120 mm	AVF004	10	231,88				120 mm	AGS004	10	3,00
150 mm	AVF005	10	283,38				150 mm	AGS005	10	5,25

Intake hose (2 mt bars) with M/F fittings					Aspiration rubber hose (2 mt bars)						
					with M/F fittings				with F/F fittings		
											
Ø	Code	PN	Box	€	Ø	Code	Box	€	Code	Box	€
60 mm	TG0114	15	1 x 2 mt + racc	RICH.	60 mm	TG0050	1 x 2 mt + racc	162,25	TG0020	1 x 2 mt + racc	192,50
80 mm	TG0115	15	1 x 2 mt + racc	RICH.	80 mm	TG0051	1 x 2 mt + racc	190,38	TG0021	1 x 2 mt + racc	234,38
100 mm	TG0116	15	1 x 2 mt + racc	RICH.	100 mm	TG0052	1 x 2 mt + racc	243,75	TG0022	1 x 2 mt + racc	308,00
120 mm	TG0117	15	1 x 2 mt + racc	RICH.	120 mm	TG0053	1 x 2 mt + racc	314,63	TG0023	1 x 2 mt + racc	358,75
150 mm	TG0118	15	1 x 2 mt + racc	RICH.	150 mm	TG0054	1 x 2 mt + racc	420,75	TG0024	1 x 2 mt + racc	451,25

See "Suction and delivery" without fittings on page 244



Price List

Flat Fittings > Layflat



DESCRIPTION

Application

- Mobile systems, agriculture

Specifics

- Maximum working pressure: 10 bar
- Polypropylene made (blue fittings) - PVC (white/grey fittings) - galvanized steel (spherical fittings)

Features

- Simple realization of hydraulic installations under pressure rings
- Light and easily trasportable Full range of shapes and diameters
- Excellent hydraulic seal and pressure resistance Need of clamp and two-wire connection for a correct installation
- Layflat blocking system through multiple sawtooth

Materials

- PVC - polypropylene - galvanized steel

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	27,25	2" - 50 x 60 mm	ACN007	19,75	4" x DN100 x 4"	ATE119	276,50	2" ÷ 4"	FPF050	27,50
2"½ - 65 x 60 mm	ACN038	29,50	2"½ - 65 x 60 mm	ACN008	21,00	4" x DN150 x 4"	ATE120	331,75	4" ÷ 6"	FPF051	30,00
3" - 76 x 80 mm	ACN039	35,00	3" - 76 x 80 mm	ACN009	28,00						
4" - 104 x 100 mm	ACN040	47,00	4" - 104 x 100 mm	ACN010	36,50						
5" - 125 x 120 mm	ACN220	61,00	5" - 125 x 120 mm	ACN210	49,00						
6" - 150 x 150 mm	ACN114	72,00	6" - 150 x 150 mm	ACN185	65,50						

Blue PE hose adaptor coupling			Blue PE male hose adaptor sleeve			Blue PE reduced sleeve			Blue PE end line plug		
											
Ø	Code	€	Ø flat x Ø fil.	Code	€	Ø	Code	€	Ø	Code	€
2" - 53 mm	RGL200	3,50	2" x 2"	RGL215	3,80	2" x 2"½	RGL206	4,90	2"	RGL235	3,50
2"½ - 63 mm	RGL201	4,20	2"½ x 2"½	RGL218	4,60	2" x 3"	RGL207	5,20	2"½	RGL236	4,20
3" - 75 mm	RGL202	6,20	2"½ x 3"	RGL219	5,60	2" x 4"	RGL208	9,40	3"	RGL237	5,70
4" - 104 mm	RGL203	11,30	2"½ x 4"	RGL220	7,10	2"½ x 3"	RGL209	5,50	4"	RGL238	9,80
5" - 127 mm	RGL204	21,50	3" x 2"	RGL221	5,10	2"½ x 4"	RGL210	9,60	5"	RGL239	14,00
6" - 156 mm	RGL205	27,10	3" x 2"½	RGL222	5,60	3" x 4"	RGL211	10,20	6"	RGL240	20,30
			3" x 3"	RGL223	5,90	4" x 5"	RGL212	18,40			
			3" x 4"	RGL224	7,40	4" x 6"	RGL213	23,50			
			4" x 3"	RGL227	8,20		RGL214	27,10			
			4" x 4"	RGL228	8,80						
			5" x 4"	RGL229	15,80						
			5" x 5"	RGL230	17,50						
			6" x 5"	RGL231	21,90						
			6" x 6"	RGL232	22,10						

Price List

DISCOUNT CATEGORY
A

Accessories >

> 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	0,96	2" - 50,5 ÷ 56,0 mm	FFT406	1,07	2" - 52 ÷ 55 mm	FFT310	1,93
25 ÷ 40 mm	FFT161	1,02	2½" - 60 ÷ 68 mm	FFT401	1,15	2½" - 64 ÷ 67 mm	FFT311	2,27
40 ÷ 60 mm	FFT162	1,08	3" - 76,5 ÷ 84,0 mm	FFT402	3,15	3" - 74 ÷ 79 mm	FFT314	2,62
			4" - 98 ÷ 108 mm	FFT403	3,92	4" - 104 ÷ 112 mm	FFT320	3,18
			5" - 124 ÷ 132 mm	FFT404	5,57	5" - 122 ÷ 130 mm	FFT323	3,32
			6" - 145 ÷ 160 mm	FFT405	9,46	6" - 149 ÷ 161 mm	FFT324	4,30
			2" - SF-55 - 53 ÷ 60 mm	FFT411	1,08	2" - SF-55 - 56 ÷ 59 mm	FFT312	1,99
			4" - SF-55 - 109 ÷ 116 mm	FFT414	7,48	3" - SF-55 - 79 ÷ 85 mm	FFT315	2,78
			5" - SF-55 - 125 ÷ 140 mm	FFT415	7,93	5" - SF-55 - 131 ÷ 140 mm	FFT322	3,92
			6" - SF-55 - 155 ÷ 170 mm	FFT416	7,93	6" - SF-55 - 162 ÷ 174 mm	FFT326	5,07

> 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	28,94	DN65	RGN150	1,72	DN40	RGN400	1,95	16 x 70	KVB002	8 + 8	12,58
DN65 x 2½"	FFA162	16	36,73	DN80	RGN110	4,13	DN50	RGN401	2,78	16 x 90	KVB003	8 + 8	15,03
DN80 x 3"	FFA812	16	40,40	DN100	RGN112	4,24	DN65	RGN402	5,45	16 x 120	KVB004	8 + 8	23,60
DN100 x 4"	FFA813	16	48,42	DN125	RGN113	4,30	DN80	RGN403	6,34				
DN125 x 5"	FFA143	16	76,46	DN150	RGN114	4,81	DN100	RGN404	7,67				
DN150 x 6"	FFA144	16	84,03	DN200	RGN301	4,93	DN150	RGN406	12,58				
*PN16, PN6 welding flange and bolts available on request							DN200	RGN408	18,03				

> Adhesives and Detergents for PVC Cemented Fittings

Code	Description	Box	€/each	
MCL010	Adhesive for PVC with brush	ml 250	10	15,80
MCL011	Adhesive for PVC with brush	ml 500	10	28,83
MCL002	Adhesive for PVC with brush	ml 965	10	46,08
MCL025	Sealing adhesive TANGIT for hoses and PVC	ml 500	12	55,65
MDT001	Detergent for PVC	ml 1.000	10	31,72

> Adhesive Seals and Accessories for Hose Assembling

Code	Description	Box	€/each	
MTF001	Teflon tape for threads mt. 12 x ½" height	10	0,67	
MTF002	Teflon tape for threads mt. 15 x ¾" height	10	2,67	
MTF003	Silicone tape for threads mt. 15 x 14 mm	10	8,90	
MTF050	Loctite 55 teflon sealant for threads	mt 160	10	41,51
MSV005	Scivolina jar	ml 1000	10	11,91
MVR185	Blue for water hose	mt 200 x mm 20	1	23,37
MVR265	Yellow for gas hose	mt 200 x mm 20	1	23,37

> Detergent for PE/PP/PB/PVDF

Code	Description	Box	€/each	
MDT002	Detergent for PE/PP/PB/PVDF	ml 1.000	12	46,19

Fittings



Price List

Accessories >

> Driller, Cutter and Insertion Couplings for Pipes

> Layflat Tools

Code	Description	€	
OAF300	Driller for Layflat PUNLF 14 orange Ø 14	100,90	
OAF301	Driller for Layflat PUNLF 19 blue Ø 19	126,20	
OAF250	PG-HP B400 driller green for PE Ø 6	56,30	
OAF310	LFDRS Layflat quick coupling black key Ø 7	48,40	
OAF312	LFDRS Layflat quick coupling black key Ø 10	48,40	
OAF314	Exagonal driver key Angle Ø 13	16,10	
OAF311	Exagonal driver key Tee Ø 3/8"	30,30	

> Tools for PE and for Compression Fittings

Code	Description	€	
RVR007	Chamfering tool for PE pipe Ø 20/63	149,80	
RVR009	Chamfering tool for PE pipe Ø 40/250	177,10	
RVR016	Fixed wrench 7790/16 Ø 16/40	11,50	
RVR005	Fixed wrench 7790/40 Ø 40/75	52,40	
RVR017	Fixed wrench 7790/63 Ø 63/125	73,30	

Code	Description	€	
OAF220	Quick-Drill driller S 7,5 Ø hole mm 7,5	63,00	
OAF221	Quick-Drill driller S 11 Ø hole mm 11,0	79,90	
OAF030	Driller for clamp saddle Connec. 1/2" e 3/4"	25,00	
OAF315	Metalpuncher driller Ø hole mm 3	8,60	
OAF007	Plastic driller clamp for pipe PE Ø 16/20 Ø hole mm 3	23,20	
OAF008	Plastic driller clamp for pipe PE Ø 25/32 Ø hole mm 3	23,20	
OAF002	Driller with residue ejector PE Ø hole mm 3	16,70	
OAF205	Driller with insertion penetration tool Ø hole mm 3	15,60	
OAF206	Driller with insertion penetration tool Ø hole mm 4	15,60	
OAF016	Combo cutter Ø mm 40	63,80	
OAF017	Basic cutter Ø mm 40	36,30	
OAF018	Self-closing ratchet driller Ø mm 40	86,30	
OAF210	Clamp for insert pipe Ø mm 5/3	27,10	
OAF211	Clamp for insert pipe Ø mm 7/4	27,10	
OAF316	Punches for start connectors for pipe Ø 50 Ø hole mm 7,5	218,10	

PIPING



PE PIPE
PVC PIPE
LAYFLAT PIPE
SPECIAL PIPE



Price List

PE Pipe >



> LD

DESCRIPTION

- Low-density polyethylene pipe
- Black colour with white coextruded stripes
- In compliance with UNI 7990/2004 rule

PN4

PN6

Ø	Code	Coil mt	€/mt	Ø	Code	Coil mt	€/mt
16	TPE020	300	0,53	16	TPE103	300	0,59
20	TPE021	200	0,75	16	TPE101	100	0,64
25	TPE043	200	0,94	20	TPE049	100-200	0,87
32	TPE045	200	1,35	25	TPE054	100-200	1,18
40	TPE046	200	2,14	32	TPE047	100-200	1,92
50	TPE022	100	3,24	40	TPE053	100	2,94
63	TPE057	100	5,03	50	TPE056	100	4,49
75	TPE041	100	7,94	63	TPE063	100	7,07
90	TPE042	100	11,51	75	TPE029	100	11,03
110	TPE080	50	17,14	90	TPE082	100	15,82
				110	TPE083	50	23,53



> LD
White

DESCRIPTION

- Low-density polyethylene pipe
- Black color with coextruded white external coating
- In compliance with UNI 7990/2004 rule

Ø	Code	PN*	Coil mt	€/mt
20	TPE1012-S	4	200	0,75
25	TPE1023-S	4	100	0,94
32	TPE1014-S	4	100	1,35
40	TPE1015-S	4	100	2,05
50	TPE1016-S	4	100	3,10
63	TPE1017-S	4	100	5,03
20	TPE1005-S	6	200	0,87
25	TPE1006	6	100	1,18
32	TPE1007	6	100	1,92
63	TPE1010	6	100	7,07

*PN 6 available on request

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)			
	PN 6	PN 10	PN 16	PN 25
< 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

Piping

Price List



PE Pipe >

> 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	0,95	20	TPE510	100	0,92	20	TPE540	100	1,30
25	TPE502	100	1,44	25	TPE512	100	1,38	25	TPE541	100	1,90
32	TPE503	100	1,61	32	TPE513	50-100	2,19	32	TPE542	50-100	2,99
40	TPE471	100	2,42	40	TPE514	50-100	3,34	40	TPE543	50-100	4,60
50	TPE472	100	3,68	50	TPE515	50-100	5,06	50	TPE544	50-100	7,13
63	TPE473	100	5,74	63	TPE516	50-100	7,94	63	TPE545	50-100	11,16
75	TPE474	50	8,51	75	TPE517	50-100	11,73	75	TPE546	50-100	16,68
90	TPE475	50	12,42	90	TPE518	50-100	16,91	90	TPE547	50-100	23,29
110	TPE476	50	18,40	110	TPE519	50	24,96	110	TPE548	50	34,85

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	20,13	32	TPE550	6	2,30	32	TPE570	6	3,00
140	TPE478	6-12	24,12	40	TPE551	6	3,57	40	TPE571	6	4,68
160	TPE479	6-12	31,97	50	TPE552	6	5,41	50	TPE572	6	7,28
180	TPE480	6-12	40,95	63	TPE553	6	8,51	63	TPE573	6	11,96
200	TPE481	6-12	49,45	75	TPE554	6-12	10,81	75	TPE574	6	15,53
225	TPE482	6-12	64,08	90	TPE557	6-12	15,64	90	TPE575	6-12	22,43
250	TPE483	6-12	77,05	110	TPE556	6-12	23,23	110	TPE576	6-12	31,95
315	TPE485	6-12	123,05	125	TPE520	6-12	30,02	125	TPE577	6-12	41,08
400	TPE486	12	200,10	140	TPE521	6-12	35,88	140	TPE578	6-12	50,62
				160	TPE522	6-12	46,92	160	TPE579	6-12	65,84
				180	TPE567	6-12	60,49	180	TPE580	12	85,80
				200	TPE524	6-12	73,03	200	TPE581	12	102,97
				225	TPE525	6-12	94,42				
				250	TPE526	6-12	113,85				
				315	TPE527	6-12	181,70				

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

PVC-U Pipe>



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

Piping

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
40	TRE149	1,71	32	TRE001	1,56	32	TRE170	2,15	110	TRE045	7,42	110	TRE007	10,70	110	TRE050	15,99
50	TRE046	2,23	40	TRE002	2,07	40	TRE171	2,99	125	TRE011	9,66	125	TRE009	13,69	125	TRE020	20,34
63	TRE022	3,34	50	TRE003	3,15	50	TRE172	4,54	140	TRE150	12,08	140	TRE016	17,25	140	TRE173	25,54
75	TRE021	4,59	63	TRE004	4,77	63	TRE048	7,13	160	TRE151	15,64	160	TRE012	22,47	160	TRE174	33,34
90	TRE010	6,27	75	TRE005	6,79	75	TRE169	10,01	180	TRE152	19,32	180	TRE160	28,00	180	TRE175	42,22
			90	TRE006	8,86	90	TRE080	13,06	200	TRE153	23,74	200	TRE013	34,74	200	TRE176	52,12
									225	TRE154	30,02	225	TRE060	43,64			
									250	TRE155	37,66	250	TRE008	54,17			



Price List

PVC-A Pipe>



DESCRIZIONE:

PVC-A pipes and fittings system

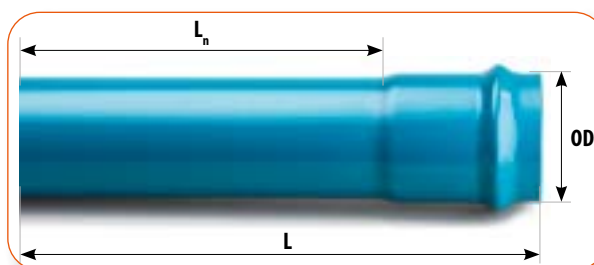
- PVC mixed polymeric composite system crack propagation resistant
- Better performances for conveying water and fluids in pressure

Features

- High resistance to crack propagation while laying
- Chemical agents excellent
- Substantial resistance to point loads impact at low temperature as well
- Stray currents resistance
- Less weight than plastic traditional ducts of equal diameter

Ø OD mm	Lengths mm		PN 10			PN 16			Pipes x pallet
	L	Ln*	Code	Thickness mm	€/mt	Code	Thickness mm	€/mt	
50	6.000	5.890				TRS025	3	4,77	194
63	6.000	5.880	TRS004	2,1	5,01	TRS026	3,2	7,49	123
90	6.000	5.865	TRS006	2,6	9,30	TRS028	4	13,72	96
110	6.000	5.850	TRS007	3,1	11,24	TRS029	4,9	16,79	57
125	6.000	5.840	TRS008	3,5	14,38	TRS030	5,5	21,36	51
140	6.000	5.830	TRS009	3,9	18,11	TRS031	6,2	26,82	45
160	6.000	5.810	TRS010	4,5	23,59	TRS032	7	34,99	33
200	6.000	5.790	TRS012	5,6	36,48	TRS034	8,8	54,73	20

*Useful length



> PVC-A Pipe Anti-fraying Fittings



DESCRIZIONE:

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	Du	L	Max. Press.	€
63	RBG260	+	84	250	PN 16	REQ.
90	RBG261	+	115	280	PN 16	REQ.
110	RBG262	+	140	280	PN 16	REQ.
160	RBG263	+	200	335	PN 16	REQ.
200	RBG264	+	250	372	PN 16	REQ.

Price List



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	2,66
2½"	TMN502	65,0	1,5	4,50	100	3,84
3"	TMN503	78,0	1,6	5,50	100	5,15
4"	TMN504	104,9	1,7	4,80	100	6,90
5"	TMN505	128,0	1,8	2,76	100	9,42
6"	TMN506	156,5	1,9	4,14	100	11,62
8"	TMN508	207,0	2,2	2,41	100	25,95

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	4,63
3"	TMN552	78,0	2,5	10,34	100	9,89
4"	TMN553	104,9	2,9	6,89	100	14,53
5"	TMN554	128,8	3,3	6,89	100	20,91
6"	TMN555	154,9	3,7	6,89	100	25,94

SF20 GREEN LAYFLAT*



Ø	Code	Ø _{int} mm	Thick. mm	Press. bar exercise	mt coils	€/mt
3"	TMN603	78,0	3,0	12	91	23,61
4"	TMN604	104,0	4,0	12	91	36,33
6"	TMN605	154,0	5,0	12	91	61,15

*While stocks last

BLUE TD-FLAT



Ø	Code	Ø _{int} mm	Thick. mm	Press. bar exercise	mt coils	€/mt
2"	TMN620	53,0	1,25	4,0	100	2,39
2½"	TMN622	65,0	1,50	6,0	100	3,33
3"	TMN623	78,0	1,40	3,0	100	3,36
4"	TMN624	105,0	1,40	3,0	100	4,66
5"	TMN625	128,0	1,75	3,0	100	7,61
6"	TMN626	156,5	2,00	3,0	100	8,86
8"	TMN627	207,0	2,30	2,5	100	18,94

GREEN TN-FLAT



Ø	Code	Ø _{int} mm	Thick. mm	Press. bar exercise	mt coils	€/mt
2"	TMN630	53,0	1,70	10	100	3,19
2½"	TMN631	65,0	1,75	10	100	3,86
3"	TMN632	78,0	1,90	6	100	5,94
4"	TMN633	105,0	2,00	6	100	7,70
5"	TMN634	128,0	2,30	6	100	9,79
6"	TMN635	156,5	2,40	6	100	14,30

RED TR-FLAT*



Ø	Code	Ø _{int} mm	Thick. mm	Press. bar exercise	mt coils	€/mt
2½"	TMN640	65,0	2,30	16	100	6,91
3"	TMN641	78,0	2,35	16	100	7,51

*While stocks last



SCARABELLI GREENFLAT



NEW

Ø	Code	Ø _{int} mm	Thick. mm	Press. bar exercise	mt coils	€/mt
2"	TMN862	53	1,4	6,5	100	2,81
4"	TMN864	103	1,6	4	100	6,57
5"	TMN865	128	1,8	4	100	8,97

Price List

LayFlat Pipe >

Blue Pre-Holed TD-FLAT Pipe >

Recommended dripline start fittings:
for tape: RMP639 - RMP640 - RMP641 - RMP642
for dripline: RMP631 - RMP632 - RMP637 - RMP638



PRE-HOLED BLU TD-FLAT LAYFLAT PRE-INSERTED STARTER 1/2" F - ROLLS 100 MT

Øint mm	Thick. ~ mm	Ø	Departure distance									
			70 cm		90 cm		100 cm		140 cm		150 cm	
			Code	€/mt	Code	€/mt	Code	€/mt	Code	€/mt	Code	€/mt
53,0	1,25	2"	TMN2P07S	4,35	TMN2P09S	3,96	TMN2P10S	3,80	TMN2P14S	3,47	TMN2P15S	3,47
78,0	1,40	3"	TMN3P07S	5,39	TMN3P09S	5,01	TMN3P10S	4,84	TMN3P14S	4,51	TMN3P15S	4,51
105,0	1,40	4"	TMN4P07S	6,82	TMN4P09S	6,44	TMN4P10S	6,27	TMN4P14S	5,94	TMN4P15S	5,89
128,0	1,75	5"	TMN5P07S	9,96	TMN5P09S	9,57	TMN5P10S	9,46	TMN5P14S	9,08	TMN5P15S	9,02
156,5	2,00	6"	TMN6P07S	11,33	TMN6P09S	10,89	TMN6P10S	10,78	TMN6P14S	10,40	TMN6P15S	10,34
207,0	2,20	8"	TMN8P07S	23,10	TMN8P09S	22,88	TMN8P10S	22,77	TMN8P14S	22,44	TMN8P15S	22,44

Other spacings on request

ACCESSORIES

Code	Description	€		Code	Description	€	
OAF317	Torx wrench - 0 10 mm	7,40		RLF012-S	Lay-Flat 1/2" F x pre-drilled start	1,20	



Price List

DISCOUNT CATEGORY
A

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	1,30
50	TVR008	50	1,50
63	TVR002	50	1,90
75	TVR009	50	2,40
90	TVR003	50	2,80
110	TVR050	50	3,60
125	TVR051	50	4,30
160	TVR053	50	6,90
200	TVR054	25	12,20

> 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 PEAD



Nude PVC



Coated PVC



Ø	Code	mt	€/mt	Ø	Code	mt	€/mt	Ø	Code	mt	€/mt
63	TDR530	50	2,50	50	TDR002	200	1,80	50	TDR011	200	3,50
75	TDR531	50	3,20	65	TDR003	150	2,50	65	TDR012	150	4,80
90	TDR532	50	3,50	80	TDR005	100	3,40	80	TDR013	100	6,40
110	TDR533	50	4,40	100	TDR006	50	4,60	100	TDR014	50	9,20
125	TDR534	50	5,50	125	TDR007	50	7,50				
160	TDR536	50	9,00	160	TDR009	50	13,40				
200	TDR537	25	15,70	200	TDR008	40	19,70				

> 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	79,00	60	TG0100	60,00	60	TG0129	642,00
80	TG0002	114,00	80	TG0101	96,00	80	TG0130	914,00
100	TG0003	137,00	100	TG0102	119,00	100	TG0131	1.126,00
120	TG0004	160,00	120	TG0103	155,00	120	TG0132	1.437,00
150	TG0005	203,00	150	TG0104	190,00	150	TG0133	2.474,00



Price List

Special Pipe >

> 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 1/4"
4"	2"
6"	2 1/2"
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 1/2"	4,5	39,0	60	TPN4	0,9	2,0	45,00
TMP002	60	2"	5,8	48,4	75	TPN4	1,5	2,7	63,00
TMP003	75	2 1/2"	6,8	61,4	90	TPN4	2,2	4,0	84,00
TMP004	90	3"	8,2	73,6	105	TPN4	3,1	7,0	115,00
TMP005	114	4"	8,2	97,6	130	TPN6	4,0	8,6	148,00
TMP006	140	5"	10,3	119,4	170	TPN6	6,2	17,0	216,00
TMP007	170	6"	12,0	146,0	200	TPN6	8,8	19,3	294,00
TMP008	225	8"	16,7	191,6	265	TPN6	16,2	25,0	519,00

Note: each bar is 4 m + 1 sleeve - Max depth 100 m

SS NIPPLE FOR SUBMERSIBLE PUMPS AND INTAKE PIPES CONNECTION

Code	Trapezoidal M thread + M gas thread		€
	mm	Inches	
TMA018	48	1 1/2"	90,00
TMA016	60	2"	109,00
TMA017	75	2 1/2"	163,00
TMA019	90	3"	217,00
TMA020	114	4"	378,00
TMA021	140	5"	574,00

SS FITTING FOR SUBMERSIBLE PUMPS AND INTAKE PIPES CONNECTION

Code	Filetto M Gas + F trapezoidale		€
	Inches	mm	
TMA001	1 1/2"	48	90,00
TMA002	2"	48	90,00
TMA004	2"	60	109,00
TMA009	2 1/2"	60	109,00
TMA003	2 1/2"	75	163,00
TMA006	3"	75	163,00
TMA005	3"	90	217,00
TMA007	4"	90	217,00
TMA008	4"	114	378,00
TMA022	5"	114	378,00
TMA023	5"	140	574,00

TRAPEZOIDAL MALE THREADED LIFT HEAD

Code	Inches	€
TMA012	1 1/2"	48,00
TMA015	2"	55,00
TMA011	2 1/2"	65,00
TMA010	3"	73,00
TMA013	4"	88,00
TMA014	5"	101,00

SPECIAL INSTALLATIONS



PREASSEMBLED SYSTEMS
IRRIGATION SYSTEM
SPECIAL SYSTEM
FIELD MACHINES

Preassembled Systems > Motorpumps

> SCM Base Series Motorpump



DESCRIPTION

Features

- 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
- 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					
GMP051	LOMBARDINI	51	2.600	9,3	FL830I-F2	1	2.400 49	1.800 60	1.200 64	100	80	20.157,00
GMP052	LOMBARDINI	51	2.600	9,3	FL626/2E-F2	2	1.250 102	1.000 109	750 114	80	65	20.816,00
GMP016	IVECO	70	2.000	11,0	MEC AHZ4/100A	1	2.700 69	2.400 70	2.100 71	DN125	DN100	27.671,00
GMP004	IVECO	79	2.000	11,6	MEC AHZ4/100A	1	2.700 69	2.400 70	2.100 71	DN125	DN100	28.689,00
GMP001	IVECO	95	2.000	13,6	MEC A3/125B	1	4.800 61	3.600 65	3.000 66	DN150	DN125	38.278,00
GMP002	IVECO	95	2.000	13,6	MEC MR100/2H	2	2.700 105	2.400 109	2.160 112	DN125	DN100	40.275,00
GMP013	IVECO	95	2.000	13,6	MEC MG100/2H	2	2.700 105	2.400 109	2.160 112	DN125	DN100	40.275,00
GMP014	IVECO	99	2.200	14,3	MEC MR 80-1/3A	3	1.600 152	1.320 164	1.080 170	DN80	DN80	41.174,00
GMP045	IVECO	122	2.000	16,8	MEC AZRBH4/125C	1	4.200 88	3.600 91	3.000 92	DN150	DN125	43.562,00
GMP025	IVECO	172	2.000	23,1	MEC AZRBH4/125A	1	4.200 111	3.600 114	3.000 115	DN150	DN125	50.175,00
GMP026	IVECO	164	1.750	21,9	MEC MR 125/2E	2	4.200 95	3.600 102	3.000 106	DN150	DN125	63.052,00
GMP027	IVECO	235	1.750	27,0	MEC MR 100-2/3D	3	3.480 137	3.000 150	2.520 159	DN125	DN100	66.849,00
GMP028	IVECO	235	1.750	27,0	MEC MG100-2/3D	3	3.480 137	3.000 150	2.520 159	DN125	DN100	67.200,00

Note: motors being tested for adaptation to NEW EUROPEAN STANDARDS

Price List

Preassembled Systems > Motorpumps > Filtration and Fertigation Motorpump



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 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"	49.585,00
GMP021	Max flow-rate 230 m³/h	8"	50.676,00
GMP020	Max flow-rate 270 m³/h	10"	51.093,00

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

Special installations



Preassembled Systems > Irrigation Systems

> Easy Model Integrated Systems



DESCRIPTION	
Application	
• Preassembled pumping and filtering screen systems for agriculture installations	
Specifics	
• Maximum pressure: 8 bar	• Butterfly valve with manual split up
• Maximum working pressure: 2 bar	• Hydraulic check valve with pressure regulation
• Couplings: spherical coupling "Ferrari" kind	• Manual priming pump
• Waste waters discharge: 2"	• Cardano pump Rovatti kind T4 125SE - flow-rate maximum with 540 ground speed and PTO speed 240m³/h
• Filtering element: screen, 140 micron standard	
• Electro hydraulic fertigation pump: 12V DC 300 l/h	
Features	
• Control unit power supply: 9V DC battery	• Self-supporting chassis, welded and boxed steel
• Backwash control system by time and by differential pressure	• Tractor's three-point hitch
Materials	
• Painted steel chassis	

Code	Description	Ø filter	€
GMP012	Max flow-rate 160 m³/h	6"	21.527,00
GMP011	Max flow-rate 230 m³/h	8"	22.618,00
GMP010	Max flow-rate 270 m³/h	10"	23.032,00

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	• Butterfly valve with manual split up
• Maximum working pressure: 2 bar	• Hydraulic check valve with pressure regulation
• Couplings: spherical coupling "Ferrari" kind	• Manual priming pump
• Waste waters discharge: 2"	• Cardano pump Rovatti kind T4 125SE - flow-rate maximum at 540 ground speed and PTO speed 240m³/h
• Filtering element: screen, 140 micron standard	
• Electro hydraulic fertigation pump: 12V CA	
Features	
• Control unit power supply: 9V DC battery	• Telescopic loader
• 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	€
GMP033	Max flow-rate 160 m³/h	6"	24.461,00
GMP032	Max flow-rate 230 m³/h	8"	25.553,00
GMP031	Max flow-rate 270 m³/h	10"	25.967,00

OTHER MODELS AND ASSEMBLING ON REQUEST

Price List



Preassembled Systems > Irrigation Systems

> Full Model Integrated Systems



DESCRIPTION			
Application			
• Preassembled pumping and filtering screen systems for agriculture installations			
Specifics			
• Maximum pressure: 8 bar	• Hydraulic check valve with pressure regulation		
• Maximum working pressure: 2 bar	• Manual priming pump		
• Couplings: spherical coupling “Ferrari” kind	• Cardano pump Rovatti kind T4 125SE - flow-rate maximum at 540 ground speed and PTO speed at 240m³/h		
• Waste waters discharge: 2”			
• Filtering element: screen, 140 micron standard			
• Butterfly valve with manual split up			
Features			
• Control unit power supply: 9V DC battery	• Self-supporting chassis, welded and boxed steel		
• Backwash control system by time and by differential pressure	• Tractor’s three-point hitch		
• Telescopic loader	• Fertilizer tanks: 2 x 400lt		
Materials			
• Painted steel chassis			
Code	Description	Ø filter	€
GMP042	Max flow-rate 160 m³/h	6”	26.795,00
GMP041	Max flow-rate 230 m³/h	8”	27.886,00
GMP040	Max flow-rate 270 m³/h	10”	28.301,00
OTHER MODELS AND ASSEMBLING ON REQUEST			

> Integrated System Accessories

Code	Description	€
AAC190	Telescopic loader - 180° rotation	2.936,00
AFR021	Single fertilizer tank 500 lt	1.247,00
ASP150	Ø 150 aspiration kit (suction strainer, check valve, 45° bend, rubber pipe, spherical metal pipe)	896,00
ASP200	Ø 200 aspiration kit (suction strainer, check valve, 45° bend, rubber pipe, spherical metal pipe)	1.566,00
PAM001	Priming membrane pump	page 189

Preassembled Systems > Scarabelli Drum Gun Sprinklers

> DGS 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

DGS SERIES

Mod.	Code	Mod.	Ø hose	Lenght	Sprink.	€
DGS 1	ASR030	S 1	63	250	Twin 101	16.925,00

DGS 2	ASR031	S 2	75	300	Twin 101	21.425,00
DGS 2	ASR032	S 2	82	300	Twin 101	22.348,00

DGS 3	ASR040	S 3	82	400	Twin 101	28.407,00
DGS 3	ASR041	S 3	90	300	Twin 140	27.113,00
DGS 3	ASR042	S 3	90	350	Twin 140	28.354,00
DGS 3	ASR043	S 3	100	250	Twin 140	26.599,00

Mod.	Code	Mod.	Ø hose	Lenght	Sprink.	€
DGS 4	ASR044	S 4	90	350	Twin 140	31.490,00
DGS 4	ASR045	S 4	90	400	Twin 140	31.828,00
DGS 4	ASR046	S 4	100	350	Twin 140	31.686,00
DGS 4	ASR047	S 4	100	400	Twin 140	33.245,00
DGS 4	ASR048	S 4	110	300	Twin 160	32.466,00
DGS 4	ASR049	S 4	100	450	Twin 160	34.415,00

DGS 5	ASR050	S 5	100	500	Twin 160	40.440,00
DGS 5	ASR051	S 5	110	400	Twin 160	40.812,00
DGS 5	ASR052	S 5	110	450	Twin 160	41.857,00
DGS 5	ASR053	S 5	110	500	Twin 160	44.993,00
DGS 5	ASR054	S 5	125	380	Twin 202	44.693,00
DGS 5	ASR055	S 5	125	400	Twin 202	45.349,00
DGS 5	ASR056	S 5	140	300	Twin 202	43.558,00

> 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	6.789,00
OIR201	50	150	Ambo/63	9.499,00
OIR202	63	100	Senior	9.837,00

Price List



Preassembled Systems > Scarabelli Drum Gun Sprinklers

> 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
- Structure on 4 rocker wheels on Si 4
- Speedometer
- Hydraulic device for turret rotation (Si 3 - Si 4)
- Emptying compressor (Si 3 - Si 4)
- 6 speed gear reducer
- Sprinkler
- Power take-off on the gearbox
- Connection hose
- Flanged turbine for reducer
- In compliance with CE 89/392 rules

DGS XL SERIES

Mod.	Code	Mod.	Ø hose	Lenght	Spri.	€
DGS XL 1	ASR066	Si 1	100	450	Twin 140	38.808,00
DGS XL 1	ASR067	Si 1	100	500	Twin 140	45.828,00
DGS XL 1	ASR068	Si 1	110	400	Twin 160	46.252,00
DGS XL 1	ASR069	Si 1	110	450	Twin 160	47.210,00
DGS XL 1	ASR070	Si 1	110	500	Twin 160	50.062,00
DGS XL 1	ASR071	Si 1	125	380	Twin 202	49.619,00
DGS XL 1	ASR072	Si 1	125	400	Twin 202	50.222,00

Mod.	Code	Mod.	Ø hose	Lenght	Spri.	€
DGS XL 2	ASR075	Si 2	125	450	Twin 202	57.753,00
DGS XL 2	ASR076	Si 2	125	500	Twin 202	59.543,00
DGS XL 2	ASR077	Si 2	140	400	Twin 202	58.408,00
DGS XL 3	ASR078	Si 3	125	550	Twin 202	68.970,00
DGS XL 3	ASR079	Si 3	140	450	Twin 202	67.534,00
DGS XL 4	ASR081	Si 4	125	650	Twin 202	73.701,00
DGS XL 4	ASR082	Si 4	140	500	Twin 202	70.282,00
DGS XL 4	ASR083	Si 4	140	550	Twin 202	90.801,00

> High Pressure Coupling Kit

Code	Mod.	Lenght mt	Ø	€
TMN723	FLAT SF 20	2,5	3"	129,00
TMN724	FLAT SF 20	2,5	4"	175,00
TMN726	FLAT SF 20	2,5	6"	289,00
TMN753	FLAT SF 20	5,0	3"	180,00
TMN754	FLAT SF 20	5,0	4"	264,00
TMN756	FLAT SF 20	5,0	6"	434,00



Preassembled Systems > Special Systems

> Irrigation Booms



IRRIGATION BOOMS

Code	Description	Nozzles Ø mm	Lenght 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

Price List



Preassembled Systems > Special Systems

> Osmosis Treatment Line



DESCRIPTION

Application

- Reverse osmosis machine for treatment and purification of waters for industry, irrigation, car washing and cleaning of solar panels

Features

- Any kind of waters can be treated alongside physical filtration, activated charcoal filter, ultrafiltration and UV systems

Line	KW power	Power supply	Recovery %	Q l/h	€
Compact	0,75	230V	50 ÷ 75	200	REQ.
Symple	2,2	380V	50 ÷ 75	200 ÷ 1.100	REQ.
HW	18	380V	50 ÷ 75	2.000 ÷ 6.000	REQ.
HP	11 ÷ 37	380V	50 ÷ 75	8.000 ÷ 30.000	REQ.

> Generators



Description	Type	€
30 K VA generator – 24 KW supersilenced with electronic unit control	GPE	REQ.

Field Machines > Machines for PE Pipes and Dripline

> Driplines and PE Pipelines Coiling and Laying

Code	Description	Model	€	
AAV001	Wrapper Pick Up	T 400	2.522,00	
AAV003	Hydraulic wrapper	T. 25/40	9.451,00	
AAV007	Wrapper	50/75	14.571,00	
AAV008	Wrapper	63/110	18.216,00	
AAV2100	Galvanized containment circle Ø 1.860 mm for Layflat on T. 25/40		913,00	
AAV160	Coil up the dripline with front and rear fixture – frame with rotating arm for the use in the field in the headline – engine with elastic joint and anti-tear valve		14.653,00	
AAV210	Adjustable three rows stretch hose (max. 5 cm burying) ideal for road traffic		6.563,00	

Price List



Field Machines > Machines for PE Pipes and Dripline

> Burying Machine for Sub-Irrigation of Heavy Dripline



DESCRIPTION

Application

- Heavy dripline burying machine

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	15.254,00

> T-R-L for Underground Light Dripline



DESCRIPTION

Application

- TRL (tape roller lay) is suitable for deep burying 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	35.222,00

> T-R-U for Dripline Recover



DESCRIPTION

Application

- TRU (tape roller up) is designed in order to remove and compact the dripline when recovered from the soil

Features

- Suitable to operate also by medium/small tractors, 100 Hp, depending on the dripline depth and on the soil type
- Up to 45 cm excavation
- The dripline can be compacted in coils to be used again or for disposal
- Operator station extremely safe by Lexan's view
- Self-ejection of the dripline by hydraulic piston
- Adjustable speed controlled by the operator
- Driplines residuals can be removed
- It can be configured to retrieve plastic mulching
- Automation functioning by hydraulic winding and discharge

Code	Description	€
AAV215	TRU 2 rows recover for used underground dripline	52.803,00

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

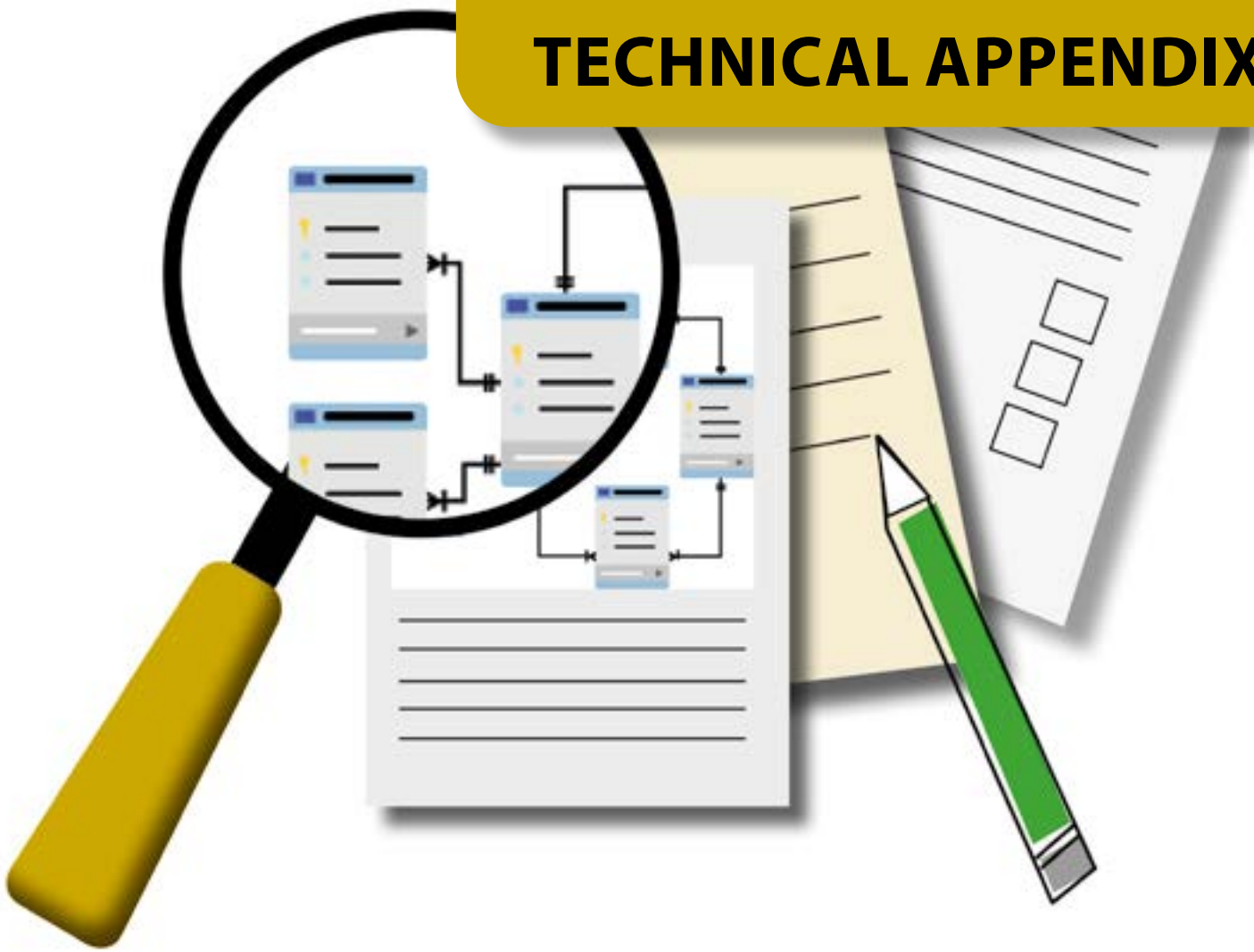
- Double number of plants per square meter
- Greater work comfort thanks to the gutters adjustment at man height
- Efficient use of resources thanks to economies of scale
- Optimization of harvesting time
- Facilitation of the activities of harvesting and setting up the crop
- Greater exploitation of 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)



TECHNICAL APPENDIX



Technical Appendix

> RO-DRIP - RO-DRIP XPELL

Dripline Ø mm	Thickness		Spacing cm	Flow-rate l/h		90% C.U. Max m
	mil	mm		per emitter	per 100 m	
16	6	0,15	10	0,75	750	83
16	6	0,15	10	1,05	1.050	72
16	6	0,15	20	1,00	500	108
16	6	0,15	30	0,56	185	197
16	6	0,15	30	0,90	300	150
16	8	0,20	10	0,75	750	83
16	8	0,20	10	1,05	1.050	72
16	8	0,20	20	1,00	500	108
16	8	0,20	30	0,90	300	150
16	8	0,20	40	1,00	250	168
22	8	0,20	20	1,00	500	193
22	8	0,20	30	0,56	185	352
22	8	0,20	30	0,90	300	268
22	8	0,20	30	0,56	185	352
22	8	0,20	30	0,90	300	268
22	10	0,25	30	0,90	300	268

> 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

Technical Appendix

> 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	

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	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	

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

Ø Ala 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

Technical Appendix

> 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	1,5	107	138	166	193	242	77	99	119	138	174	54	69	83	96	121
16		2,0	126	162	196	227	286	91	116	140	163	205	63	81	98	113	142
16		2,5	141	181	219	254	320	101	130	157	182	229	70	90	109	127	159
16		3,0	153	196	237	276	347	110	141	170	197	249	76	98	119	138	174
16		3,5	164	210	254	295	372	118	151	182	211	266	82	105	127	147	186
16		4,0	173	222	268	311	393	124	159	192	223	282	86	111	134	156	196
16		4,5	181	232	281	327	412	130	167	202	234	295	91	116	141	163	206

Dripline Ø mm	Emitter flow-rate l/h		1,5				2,2				3,8			
20	Inlet pressure bar	1,5	149	191	231	268	116	148	197	208	81	104	125	145
20		2,0	176	226	272	316	136	175	212	245	95	122	148	171
20		2,5	197	252	304	353	152	196	236	274	106	136	165	191
20		3,0	213	274	330	383	166	212	257	298	115	148	179	208
20		3,5	228	292	353	410	177	227	274	319	123	158	191	222
20		4,0	241	309	373	433	187	240	290	337	130	167	202	235
20		4,5	252	324	391	454	196	252	304	353	136	175	212	247

> SuperDrip RC e SuperDrip PC AS

RECOMMENDED MAXIMUM LENGTH - IN MT - ON FLAT (FIELD)

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						
16	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
16		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						
23	Inlet pressure bar	1	197	272	336	393	446	551	643	129	173	214	255	293	361	418
23		2	283	387	483	569	651	797	922	186	251	313	368	419	515	602
23		3	344	470	582	683	778	908	1106	219	300	372	438	499	582	710

> PC2 ND (No-Drain)

RECOMMENDED MAXIMUM LENGTH - IN MT - ON FLAT (FIELD)

Dripline Ø mm	Emitters spacing (cm)		20	30	40	50	60	80	20	30	40	50	60	80	20	30	40	50	60	80
	Emitter flow-rate l/h		1,75						2,35						3,75					
	Inlet pressure bar	1	43	62	78	93	107	133	36	51	64	77	88	110	26	37	47	57	65	82
2		76	407	136	163	188	235	62	89	112	138	156	194	46	65	83	100	115	144	
3		92	131	167	201	232	290	76	108	138	166	191	239	56	80	102	122	142	177	

Dripline Ø mm	Emitter flow-rate l/h		1,75						2,35						3,60					
20	Inlet pressure bar	1	71	99	124	148	169	209	54	76	95	113	129	159	44	62	78	93	106	131
20		2	124	174	219	261	299	370	101	141	178	212	244	302	77	109	137	163	188	233
20		3	152	213	269	321	368	457	124	175	220	263	302	374	95	133	168	201	231	286

Technical Appendix

> 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%

Positioning mt	Height from ground cm	BLACK SPINNER - 60%																	
		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	CU	mm/h
2x2	25	■	9,8	■	12,8	■	18,8	■	25,5	■	33,0	■	43,5	■	51,3	■	63,5	■	74,5
2x2	80	■	9,8	■	12,8	■	18,8	■	25,5	■	33,0	■	43,5	■	51,3	■	63,5	■	74,5
2,5x2,5	25	■	6,2	■	8,2	■	12,0	■	16,3	■	21,1	■	27,8	■	32,8	■	40,6	■	47,7
2,5x2,5	80	■	6,2	■	8,2	■	12,0	■	16,3	■	21,1	■	27,8	■	32,8	■	40,6	■	47,7
3x3	25	■	4,3	■	5,7	■	8,3	■	11,3	■	14,7	■	19,3	■	22,8	■	28,2	■	33,1
3x3	80	■	4,3	■	5,7	■	8,3	■	11,3	■	14,7	■	19,3	■	22,8	■	28,2	■	33,1
3,5x3,5	25	■	3,2	■	4,2	■	6,1	■	8,3	■	10,8	■	14,2	■	16,7	■	20,7	■	24,3
3,5x3,5	80	■	3,2	■	4,2	■	6,1	■	8,3	■	10,8	■	14,2	■	16,7	■	20,7	■	24,3
4x4	25	■	2,4	■	3,2	■	4,7	■	6,4	■	8,3	■	10,9	■	12,8	■	15,9	■	18,6
4x4	80	■	2,4	■	3,2	■	4,7	■	6,4	■	8,3	■	10,9	■	12,8	■	15,9	■	18,6
4,5x4,5	25	■	1,9	■	2,5	■	3,7	■	5,0	■	6,5	■	8,6	■	10,1	■	12,5	■	14,7
4,5x4,5	80	■	1,9	■	2,5	■	3,7	■	5,0	■	6,5	■	8,6	■	10,1	■	12,5	■	14,7
5x5	25	■	1,6	■	2,0	■	3,0	■	4,1	■	5,3	■	7,0	■	8,2	■	10,2	■	11,9
5x5	80	■	1,6	■	2,0	■	3,0	■	4,1	■	5,3	■	7,0	■	8,2	■	10,2	■	11,9
5,5x5,5	25	■	1,7	■	2,5	■	3,4	■	4,4	■	5,8	■	6,8	■	8,4	■	9,9	■	9,9
5,5x5,5	80	■	1,7	■	2,5	■	3,4	■	4,4	■	5,8	■	6,8	■	8,4	■	9,9	■	9,9
6x6	25	■	1,4	■	2,1	■	2,8	■	3,7	■	4,8	■	5,7	■	7,1	■	8,3	■	8,3
6x6	80	■	1,4	■	2,1	■	2,8	■	3,7	■	4,8	■	5,7	■	7,1	■	8,3	■	8,3
6,5x6,5	25	■	1,8	■	2,4	■	3,1	■	4,1	■	4,9	■	6,0	■	7,1	■	8,3	■	8,3
6,5x6,5	80	■	1,8	■	2,4	■	3,1	■	4,1	■	4,9	■	6,0	■	7,1	■	8,3	■	8,3
7x7	25	■	1,5	■	2,1	■	2,7	■	3,6	■	4,2	■	5,2	■	6,1	■	7,1	■	8,3
7x7	80	■	1,5	■	2,1	■	2,7	■	3,6	■	4,2	■	5,2	■	6,1	■	7,1	■	8,3
7,5x7,5	25	■	1,8	■	2,3	■	3,1	■	4,1	■	4,9	■	6,0	■	7,1	■	8,3	■	8,3
7,5x7,5	80	■	1,8	■	2,3	■	3,1	■	4,1	■	4,9	■	6,0	■	7,1	■	8,3	■	8,3
8x8	25	■	2,1	■	2,7	■	3,6	■	4,2	■	5,2	■	6,1	■	7,1	■	8,3	■	8,3
8x8	80	■	2,1	■	2,7	■	3,6	■	4,2	■	5,2	■	6,1	■	7,1	■	8,3	■	8,3

Upwards positioning - 2 bar pressure

VIOLET SPINNER - CU%

Posit. mt	Height from ground cm	WOLLY SPINNER 30%									
		Black		Blue		Green		Red		White	
		l/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 cm	Black		Blue		Green		Red		White	
	l/h									
	39		51		75		102		132	
	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%

Technical Appendix

GREEN SPINNER RONDO - 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	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

> RFR Rondo Mini Sprinklers Self-compensating

GRAY SPINNER - CU%

Positioning mt	Height from ground cm	Chart of optimal CO2					
		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	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

> 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

Legend ■ > 95% ■ ≤ 95% ÷ > 90% ■ ≤ 90% ÷ > 85% ■ ≤ 85%

Technical Appendix

> S2000 Mini Sprinklers

Posit. mt	Height from ground cm	Light blue		Black		Blue		Dark blue		Green		Red		White		Violet		Yellow		Brown		Orange	
		l/h																					
		29		37		51		61		75		97		125		170		205		260		300	
		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	CU	mm/h	CU	mm/h
3 x 3	50	■	3,22	■	4,11	■	5,67	■	6,78	■	8,33	■	10,78	■	13,89	■	18,89	■	22,78	■	28,89	■	33,33
3 x 4	50	■	2,42	■	3,08	■	4,25	■	5,08	■	6,25	■	8,08	■	10,42	■	14,17	■	17,08	■	21,67	■	25,00
3 x 5	50	■	1,93	■	2,47	■	3,40	■	4,07	■	5,00	■	6,47	■	8,33	■	11,33	■	13,67	■	17,33	■	20,00
4 x 4	50	■	1,81	■	2,31	■	3,19	■	3,81	■	4,69	■	6,06	■	7,81	■	10,63	■	12,81	■	16,25	■	18,75
4 x 5	50	■	1,45	■	1,85	■	2,55	■	3,05	■	3,75	■	4,85	■	6,25	■	8,50	■	10,25	■	13,00	■	15,00
4 x 6	50							-	2,54	■	3,13	■	4,04	■	5,21	■	7,08	■	8,54	■	10,83	■	12,50
5 x 5	50								2,44	■	3,00			■	5,00	■	6,80	■	8,20	■	10,40	■	12,00
5 x 6	50									■	2,50			■	4,17	■	5,67	■	6,83	■	8,67	■	10,00
6 x 6	50									■	2,08			■	3,47	■	4,72	■	5,69	■	7,22	■	8,33
6 x 7	50									■	1,79			■	2,98	■	4,05	■	4,88	■	6,19	■	7,14
6 x 8	50															■	3,54	■	4,27	■	5,42	■	6,25
6 x 9	50															■	3,15			-	4,81	■	5,56
7 x 7	50																			■	5,31	■	6,12
7 x 8	50																			■	4,64	■	5,36
Upwards positioning - 2 bar pressure																							

Upwards positioning - 2 bar pressure

> S2000 PC Mini Sprinklers

Positioning mt	Height from ground cm	Black		Blue		Dark blue		Green		Red		White	
		l/h											
		24		31		41		53		70		95	
		CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h
1,5 x 1,5	50		10,67		13,78	-	-		23,56		31,11		42,22
2 x 2	50		6,00		7,75	-	-		13,25		17,50		23,75
3 x 3	50		2,67		3,44	-	-		5,89		7,78		10,56
3 x 4	50					-	-		4,42		5,83		7,92

Upwards positioning - 2 bar pressure

> 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

> 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%

Technical Appendix

> 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		18 x 18	■	11,0		27 x 27	■	17,5
AIR116					21 x 21	■	14,6		30 x 30	■	14,2

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

Technical Appendix

> Venturi

ASPIRATION CAPACITY CHART DEPENDING ON PRESSURE

Pressure		¾"		1"		1½"		2"	
Input	Output	Flow-rate through injector	Aspiration	Flow-rate through injector	Aspiration	Flow-rate through injector	Aspiration	Flow-rate through injector	Aspiration
mH2O	mH2O	l/h	l/h	l/h	l/h	l/h	l/h	l/h	l/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

Technical Appendix

> Tefen Mixrite Proportional Dosing

LOAD LOSSES

Code	Mod.		l/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	0,10	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

CHEMICAL SUBSTANCES RESISTANCE CHART

Chemical substance		Concentration		Type					
				TF 2,5	TF 2,5	TF 2,5	TF 5	TF 10	TF 25
				Standard model	By-pass model	PVDF model	Standard model	By-pass model	PVDF 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 ₂	LOW	<10%	■	■	■	■	■	■
Sulfuric acid	H ₂ SO ₂	MEDIUM	<20%	■	■	■	■	■	■
Sulfuric acid	H ₂ SO ₂	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

Technical Appendix

> MPR Rain Bird Nozzles

	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	
Coverage																					
 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	
Striscia	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		
																		
 360°	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	
 270°	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	
 180°	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	
 90°	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		Throw mt	Flow-rate l/m	Precipitation mm/h	
				■	▲			■	▲			■	▲			■	▲
	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				
	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				
	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				
	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				
	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		Throw mt	Flow-rate l/m	Precipitation mm/h	
				■	▲			■	▲			■	▲			■	▲
Striscia	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				

Technical Appendix

> 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

Pressure bar	Nozzle	Throw mt	Flow-rate l/m	Precipitation mm/h	
				■	▲
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

Technical Appendix

> 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
2,5	8,0	11,8	24	32	37
	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
3	6,0	13,2	20,4	14	16
	8,0	13,3	27	24	28
	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
4	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
4,5	8,0	14,9	32,4	20	24
	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
5	6,0	14,9	25,8	14	16
	8,0	15,2	34,2	21	25
	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
5,5	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

Technical Appendix

> 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
8	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
8	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

> 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
	5,5	11,9	1,13	16	18
6 ●	3,5	13,7	1,28	14	16
	4	13,7	1,37	15	17
	4,5	13,7	1,45	15	18
	5	13,7	1,54	16	19
	5,5	13,7	1,62	17	20
8 ●	3,5	14,9	1,59	14	16
	4	14,9	1,75	16	18
	4,5	14,9	1,92	17	20
	5	14,9	2,09	19	22
	5,5	14,9	2,25	20	23
10 ●	3,5	16,1	2,1	16	19
	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
12 ●	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
	5,5	18,5	3,23	19	22
14 ●	6	18,6	3,3	19	22
	3,5	18	2,89	18	21
	4	18,5	3,17	19	21
	4,5	18,9	3,37	19	22
	5	19,2	3,54	19	22
16 ●	5,5	19,2	3,72	20	23
	6	19,6	3,96	21	24
	6,2	19,8	4,06	21	24
	3,5	18,7	3,28	19	22
	4	19,6	3,54	18	21
18 ●	4,5	20,1	3,77	19	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
20 ●	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
	5,5	21	4,74	21	25
22 ●	6	21,5	4,95	21	25
	6,2	21,7	5,04	21	25
	3,5	19,9	4,25	21	25
	4	20,3	4,5	22	25
	4,5	21,1	4,79	22	25
24 ●	5	21,6	5,11	22	25
	5,5	21,6	5,42	23	27
	6	22,1	5,65	23	27
	6,5	22,5	5,89	23	27
	6,9	22,9	6,09	23	27
26 ○	3,5	20	5,08	25	29
	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
28 ●	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
	4	20,7	5,5	26	30
30 ●	4,5	22	5,88	24	28
	5	23	6,26	24	27
	5,5	23,5	6,62	24	28
	6	23,9	6,92	24	28
	6,5	24,1	7,22	25	29
32 ●	6,9	24,1	7,45	26	30
	3,5	20	5,57	28	32
	4	21,8	6,01	25	29
	4,5	22,6	6,42	25	29
	5	23,2	6,8	25	29
34 ●	5,5	24,1	7,14	25	28
	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
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
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	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

Technical Appendix

> Rain Bird Electrovalves



> DV Series

LOAD LOSSES

Flow-rate		Bar
m³/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					
m³/h	l/m	L		A		L	
		1"		1 1/2"		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	
m³/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

> 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	
				l/m	0	8	17	25	34	42	50	58	67	83	100	117	133	150		H mm	Wei. kg
				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			
				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			
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

Technical Appendix

> 4 (A - B - D - E) Series Vertical Axis, Submersible

PERFORMANCE TABLE

Code			m³/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	7,2
			l/min	0	10	15	20	25	30	35	40	45	50	60	70	80	90	100	110	120
			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	2,00
S. phase	T. phase	Type																		
PSSM050	PSST050	4A 005 N09	M.C.A.	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			42	39	36	33	28	23	18							
PSSM061	PSST061	4B 007 N11		70			63	59	54	49	43	35	27							
PSSM062	PSST062	4B 010 N15		96			85	80	74	67	58	48	37							
PSSM063	PSST063	4B 015 N22		140			124	117	107	96	83	68	50							
PSSM064	PSST064	4B 020 N30	M.C.A.	187			166	155	142	126	109	87	64							
PSSM065	PSST065	4B 030 N44		274			243	227	208	185	159	128	94							
	PSST066	4B 040 N60		373			331	310	284	253	217	175	128							
PSSM010	PSST010	4D 005 N05		33				31	30	30	29	27	26	23	18	13				
PSSM011	PSST011	4D 007 N07		46				44	43	42	40	38	36	32	25	18				
PSSM012	PSST012	4D 010 N10		65				62	61	59	57	55	52	45	36	25				
PSSM013	PSST013	4D 015 N15		97				91	89	87	83	80	76	65	52	36				
PSSM014	PSST014	4D 020 N20		129				121	119	116	111	106	101	87	69	48				
PSSM015	PSST015	4D 030 N30		193				182	178	173	167	160	151	130	103	71				
	PSST016	4D 040 N40		257				241	235	228	220	209	198	170	134	90				
	PSST017	4D 055 N54		346				325	318	307	296	282	267	229	181	122				
PSSM030	PSST040	4E 005 N04	M.C.A.	27					26	25	25	24	22	20	17	13	9	5	1	
PSSM031	PSST041	4E 007 N06		41					38	38	37	36	33	30	25	20	14	8	2	
PSSM032	PSST042	4E 010 N08		54					51	50	49	48	44	40	33	26	19	11	2	
PSSM033	PSST043	4E 015 N12		82					77	75	74	72	67	60	50	39	28	16	4	
PSSM034	PSST044	4E 020 N16		109					102	101	98	96	89	79	67	53	38	22	5	
PSSN035	PSST045	4E 030 N24		163					154	151	148	144	133	119	100	79	56	32	7	
	PSST046	4E 040 N32		218					205	201	197	191	178	159	134	105	75	43	10	
	PSST047	4E 055 N44		299					282	277	271	263	245	218	184	145	103	59	13	

Tolerance limits in compliance with the ISO 9906 ann.A gr.2

> 4 (F - H - L) Series Vertical Axis, Submersible

PERFORMANCE TABLE

Code			m³/h l/min l/sec	0	2,7	3	3,6	4,2	4,8	5,4	6	6,6	7,2	8,4	9,6	10,8	12	13,5	15	16,5	18	19,5	21	22,5	24
				0	45	50	60	70	80	90	100	110	120	140	160	180	200	225	250	275	300	325	350	375	400
S. ph.	T. ph.	Type		0	0,75	0,83	1,00	1,17	1,33	1,50	1,67	1,83	2,00	2,33	2,67	3,00	3,33	3,75	4,17	4,58	5,00	5,42	5,83	6,25	6,67
PSSM020	PSST020	4F 010 N06	M.C.A.	40	34	34	33	32	30	29	28	26	24	18	12	6									
PSSM021	PSST021	4F 015 N09		60	51	51	49	47	46	44	41	39	35	28	19	9									
PSSM022	PSST022	4F 020 N12		77	67	66	64	63	60	58	55	52	47	37	25	12									
PSSM023	PSST023	4F 030 N18		116	101	100	97	94	91	87	83	77	71	55	37	18									
	PSST024	4F 040 N24		154	135	133	129	125	121	115	110	103	95	74	50	24									
	PSST025	4F 055 N34		210	187	184	178	173	166	159	150	140	129	101	67	27									
	PSST026	4F 075 N45		266	241	238	232	224	215	203	190	176	160	124	79	31									
	PSST027	4F 100 N60		370	330	325	315	305	294	280	265	248	227	179	118	47									
PSSM070	PSST030	4H 015 N06	M.C.A.	39				35	35	34	33	32	30	27	23	18	12	5							
PSSM071	PSST031	4H 020 N08		52				47	46	45	44	43	40	36	30	24	16	7							
PSSM072	PSST032	4H 030 N12		78				71	69	68	67	64	60	53	46	37	23	11							
	PSST033	4H 040 N16		104				94	93	91	89	86	80	71	61	49	31	14							
	PSST034	4H 055 N22		144				129	127	125	123	121	113	102	88	69	44	16							
	PSST035	4H 075 N30		197				176	174	171	168	164	154	139	120	94	60	22							
	PSST036	4H 100 N39		262				235	231	228	224	219	206	185	159	126	80	30							
PSSM080	PSST080	4L 020 N05	M.C.A.	36								30	28	27	25	23	21	18	16	13	11	8	4	1	
PSSM081	PSST081	4L 030 N07		50								42	40	37	35	33	29	25	22	19	15	11	6	1	
	PSST082	4L 040 N10		72								59	57	53	50	47	42	35	32	27	21	15	9	2	
	PSST083	4L 055 N14		101								83	79	75	70	65	59	49	45	37	29	21	12	3	
	PSST084	4L 075 N19		137								112	107	101	95	88	80	67	61	50	40	29	17	4	
	PSST085	4L 100 N25		180								148	142	133	125	116	105	88	80	66	53	38	22	5	

Tolerance limits in compliance with the ISO 9906 ann.A gr.2

Technical Appendix

> Submersible electric pumps 0 5" Ø 5"

PERFORMANCE TABLE

Type	Nominal power		M. ph. 230 V		T. ph. 400 V	FLOW-RATE																Delivery Ø	Pump and motor unit				
						l/m	10	20	25	30	40	50	60	70	75	80	100	125	150	175	200		H	Wei.			
	Hp	Kw	A	µF		A	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	mm	kg		
SC 007 N03	0,75	0,55	4,6	16	1,7	M.C.A.	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	M.C.A.						28	27	26,5	26	25	24,5	24	23	22	20	16	13	10	1"¼	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 l/m l/sec	0	3	4,5	6	7,5	9	10,5	12	13,5	15	16,5	18	21	24	27	30	33	36	39	
			0	50	75	100	125	150	175	200	225	250	275	300	350	400	450	500	550	600	650	
			0	0,83	1,25	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	73	70	67	63	58	53	46	37	27	16									
PSST1001	6B 040 N06/4		94	88	84	80	76	70	63	55	44	32	19									
PSST1006	6B 040 N07/4		109	102	98	94	89	82	74	64	52	38	22									
PSST1003	6B 055 N08/4		125	117	112	107	101	93	84	73	59	43	25									
PSST1004	6B 055 N09/4		140	131	126	121	114	105	95	82	67	48	28									
PSST1005	6B 075 N12/4		196	186		171		147		113		64										
PSST1100	6B 075 N12		187	175	169	161	152	140	127	109	89	65	37									
PSST1101	6B 100 N16		250	234	225	214	202	187	169	146	118	86	50									
PSST1102	6B 125 N18		281	263	253	241	228	210	190	164	133	97	56									
PSST1103	6B 125 N21		328	307	295	281	266	245	222	192	155	113	65									
PSST1104	6B 150 N24		374	350	337	322	304	280	253	219	178	129	74									
PSST1106	6B 200 N32 SD		499	467	450	429	405	374	338	292	237	172	99									
PSST1107	6B 250 N40 SD		624	584	562	536	506	467	422	365	296	215	124									
PSST1108	6B 300 N48 SD		749	701	674	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		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							40	39	38	36	35	32	29	25	21	16	10	4	
PSST1031	6F 050 N04		61								53	52	50	49	47	43	39	33	27	21	13	5
PSST1032	6F 075 N06/4		91								81		77	74	72		60		44		23	
PSST1125	6F 075 N06		92								79	77	75	73	70	65	58	50	41	31	20	8
PSST1126	6F 100 N08		122								106	103	100	97	94	86	77	67	55	42	27	11
PSST1127	6F 0125 N10		153								132	129	125	121	117	108	97	84	69	52	34	14
PSST1128	6F 150 N12		184								159	155	150	146	141	129	116	100	82	63	40	16
PSST1129	6F 175 N014		214								185	180	175	170	164	151	135	117	96	73	47	19
PSST1130	6F 200 N16		245								212	206	200	194	187	172	154	134	110	83	54	22
PSST1131	6F 250 N20		306								264	258	251	243	234	215	193	167	137	104	67	27
PSST1132	6F 300 N024		367								317	309	301	291	281	258	232	200	164	125	81	32
PSST1133	6SD 350 N28 SD		428								370	361	351	340	328	301	270	234	192	146	94	38
PSST1134	6SD 400 N32 SD		490								423	412	401	388	375	344	309	267	219	167	108	43
PSST1135	6D 500 N40 SD		612								529	515	501	486	468	430	386	334	274	208	134	54

Technical Appendix

> 6 (H - I - L) Series Vertical Axis, Submersible

PERFORMANCE TABLE

Code	Type	m³/h l/m l/sec	0	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66
			0	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1.000	1.050	1.100
			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	6L 030 N12		22		18	17	16	15	13	12	11	9	8	7	5	3				
PSST1161	6L 100 N04		52			47	45	42	39	36	33	31	28	26	24	21	18	14	9	4
PSST1162	6L 125 N06		77			70	68	63	58	54	50	46	43	39	36	32	27	21	14	6
PSST1163	6L 150 N07		90			82	79	74	68	63	58	54	50	46	42	37	32	25	16	7
PSST1164	6L 175 N08		103			93	90	84	78	72	66	61	57	53	48	43	36	28	18	8
PSST1165	6L 200 N09		116			105	101	95	88	81	75	69	64	59	54	48	41	32	21	9
PSST1166	6L250 N12		155			140	135	126	117	107	99	92	85	79	72	64	54	42	28	12
PSST1167	6L 300 N 14		181			163	158	147	136	125	116	108	100	92	84	74	63	49	32	14
PSST1168	6L 350 N017		219			198	191	179	165	152	141	131	121	112	102	90	77	60	39	17
PSST1169	6L 400 N019		245			221	214	200	185	170	157	146	135	125	114	101	86	67	44	19
PSST1170	6L 500 N24/S		310			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 14 SEC

PERFORMANCE TABLE

Type	Code	Nominal power		V 400	FLOW-RATE						Delivery	Pump and motor unit	
					l/min	0	600	800	1.000	1.200			
		kW	HP	A	l/sec m³/h	0,0	10,00	13,33	16,67	20,00		Len. H	Wei.
						0,0	36,0	48,0	60,0	72,0		mm	Kg
140SEC66/03	PSSTG112	5,5	7,5	12,5	M.C.A.	42	31	28	25	21	14	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

Technical Appendix

> Semi-axial Series 18 SEC

PERFORMANCE TABLE

Type	Code	Nominal power		V 400	FLOW-RATE								Delivery	Pump and motor unit	
					I/min	0	600	800	1.000	1.200	1.400	1.600		Len. H	Wei.
		I/sec	0,0		10,0	13,33	16,67	20,0	23,33	26,67					
		m³/h	0,0		36,0	48,0	60,0	72,0	84,0	96,0	mm	Kg			
180SEC78/02	PSSTG400	11,0	15,0	24,5	M.C.A.	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		V	l/min l/sec m³/h	0	800	1.000	1.200	1.400	1.600	1.800	2.000
		power		400		0	13,33	16,67	20	23,33	26,67	30	33,33
		kW	HP	A		0	48	60	72,0	84	96	108	120
180SEC90/1	PSSTG420	7,5	10	17,5	M.C.A.	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
180SEC 90/10	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 A	l/min l/sec m³/h	0	1.000	1.200	1.400	1.600	1.800	2.000	2.200	2.400
		kW	HP			0	16,67	20	23,33	26,67	30	33,33	36,67	40
						0	60	72	84	96	108	120	132	144
180SEC102/1	PSSTG440	7,50	10	17,5	M.C.A.	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

Technical Appendix

> 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	37,0	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

Technical Appendix

> 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	5,5	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

Technical Appendix

> 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	mH2O		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	mH2O		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	mH2O		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	mH2O		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	mH2O		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	mH2O		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	kW	HP			0	50	100	150	200
GM 10	1,75	6,3	450	0,4	0,3	0,4		mH2O		7,5	6,5	5,2	3,7	2,2

P₁ Maximum absorbed power - P₂ Nominal motor power

Technical Appendix

> GXR - Submersible

Three Phase	A		Single phase	230V A	Condenser		P ₁			Q	m ³ /h										
	230V	400V			μF	Vc	kW	kW	HP		l/m	0	1,2	3,0	4,5	6,0	7,5	9,0	10,2	12,0	13,2
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 A	Condenser		P ₁			Q	m ³ /h										
	230V	400V			μF	Vc	kW	kW	HP		l/m	0,0	1,2	3,0	4,5	6,0	7,5	9,0	10,2	12,0	13,2
GXR 25-6	1,6	0,9	GXR 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			
GXR 25-8	2,3	1,3	GXR 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		
GXR 25-10	2,8	1,6	GXR 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 A	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			μF	Vc	kW	kW	HP														
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	m ³ /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 A	Condenser		P ₁	P ₂		Q	m ³ /h l/m	0	3	6	9	12	15	18	21	24	27	30
		μF	Vc	kW	kW	HP			0	50	100	150	200	250	300	350	400	450	500
GORM 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				
GORM 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			
GORM 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	
GORM 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										
	230V	400V		kW	HP		l/m	0	3,0	6,0	9,0	12,0	13,2	15,0	16,8		
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

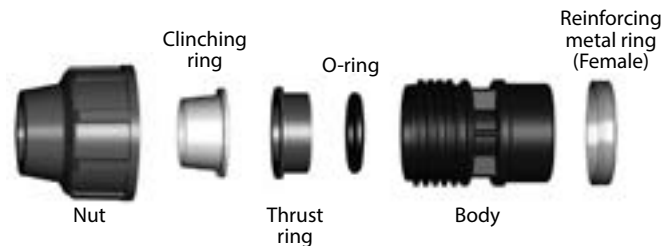
> GQG - Submersible Shredder with Float

Single phase	230V A	Condenser		P ₁	P ₂		Q	m ³ /h										
		μF	Vc		kW	HP		l/m	0	3,0	6,0	9,0	12,0	13,2	15,0	16,8		
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			

P₁ Maximum absorbed power - P₂ Nominal motor power
Density ρ = 1000 kg/m³ - Kinematic viscosity ν = max 20 mm²/sec

Technical Appendix

> 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.



Blue 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.



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



CUT FOR SHIPMENT



Hydraulic scheme request form

REQUESTING DATA

Company name: _____

Address: _____

Province: _____

Phone: _____

Cell phone: _____

E-mail: _____

Reference: _____

PLANT DATA

Type of plant requested: ☐ Dripline

☐ Aspersión

☐ 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 pressure available:

Min flow rate: _____

Min pressure: _____

Max flow rate: _____

Max pressure: _____

PLANT SPECIFICATIONS

Piping: ☐ Pe

☐ PVC

Filtration: ☐ Manual

☐ Automatic

Automation: ☐ None

☐ Multicable

☐ Singlecable

☐ Radio

Fertigation: ☐ pH control

☐ EC control

N fertilizer: _____

N fertilizing agitators: _____

Proportional injection/volumetric management: _____

☐ Yes

☐ No

To enclose where available:

point or gps coordinates
slopes or curves of the soil
present/future point of water source

SUMMARY 1



Form for soil analysis

REQUESTING DATA

Company name: _____

Address: _____

Province: _____

Phone: _____

Cell phone: _____

E-mail: _____

Reference: _____

SOIL ANALYSIS

Characteristic	Unit of measurments	Value	Characteristic	Unit of measurments	Value
Skeleton	%		Nitrogen tot (N)		
Sand	%		Assimilable phosphorous (P)		
Silt	%		Assimilable iron (Fe)		
Clay	%		Assimilable magnesium (Mn)		
			Assimilable copper (Cu)		
pH			Assimilable zinc (Zn)		
EC			Exchangeable calcium (Ca)		
Limestone tot			Exchangeable potassium (K)		
Active limestone			Exchangeable sodium (Na)		
Organic matter			Soluble chlorides		

Relation Mg/K		
Relation C/N		

SAR		
ESP		

SAR: Sodium adsorbium rate
ESP: Exchangeable sodium ratio

GROWING TECHNIQUES

Soil management techniques: ☐ Traditional

☐ Minimal

☐ Hard soil

Type of soil tillage: _____

Working depth: _____

Active crop rotation: _____

Planting/transplantation distances : _____

Tractor's track width: _____

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

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 € 50,00 (V.A.T. excluded). Lower amount supplies may be provided solely and exclusively by an invoiced charge of € 10,00 (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) e 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 10% 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.

Watch corporate video



the PRECIOUS ELEMENT
called WATER



Rivulis



HANSEN



Polixest



STF



BERMAD



ITE



SYSTEME ELECTRONIQUE
PROGRES SA



SAMCLA



SOLEM



RAIN BIRD



PIK



Hunter



 **scarabelli**
IRRIGAZIONE®

via Viadagola 48 | 40057 Granarolo Dell'Emilia | Bologna
tel 051/763363 | fax 051/763397

P.I. 01128570379

www.scarabelli.it

info@scarabelli.it

SUMMARY 1