



DRIP IRRIGATION



LIGHT DRIPLINE FLOW-TAPE

LIGHT DRIPLINE FLOW-TAPE

The Flow-Tape represents the latest technological developments in the field of drip irrigation system. Flow-Tape, due to the multiple delivery point, is particularly suitable for draining soils usually intended for garden crops and flowers.

Flow-Tape can be utilized both in protective and open fields for the cultivation of tomato, melon, strawberry, watermelon, onion and much more.

CHARACTERISTICS AND ADVANTAGES:

- The flow outlet opening made without removal of material which closes at the end of the irrigation cycle avoiding intrusion of foreign particles and formation of salts deposit.
- The turbulent flow labyrinth allows high resistance to clogging.
- The high technology employed allows a good emission uniformity.
- Manufacturing uniformity: category A in compliance with standard ISO 9261.
- The dual colored line allows you to locate on the side of the supply holes.
- The use of suitable raw materials offers a high resistance to wearing.



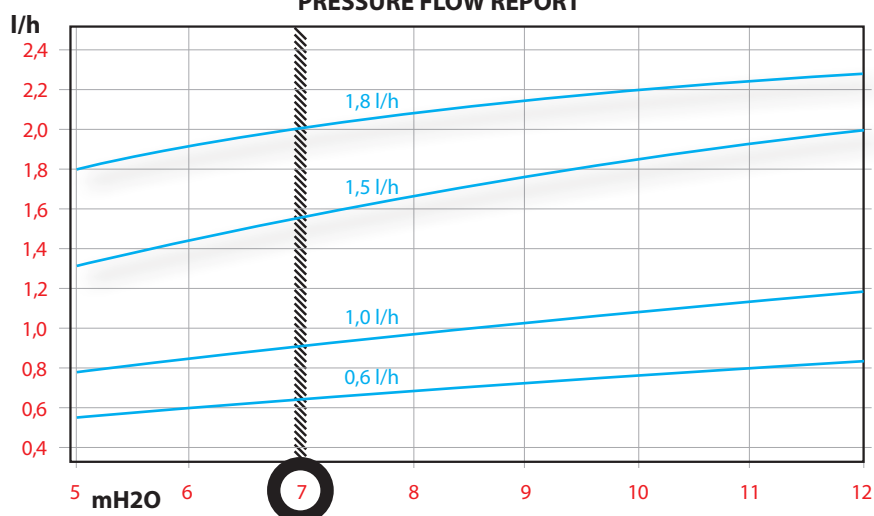
CHARACTERISTICS OF PIPE

Ø mm	Ø mm internal for 8 mils	Thickness	Maximum working pressure
Nominal	mm	mil	mH2O
16	16,1	6	10
		8	12
		10	14
22	22,2	7	10
		8	12
		10	14
25	25	8	6
		10	8
		12	10

CHARACTERISTICS OF DRIPPER

l/h	mH2O								Recommended Filtration
	5	6	7	8	9	10	11	12	
0,6	0,54	0,59	0,64	0,68	0,72	0,76	0,80	0,83	140 mesh
1,0	0,77	0,84	0,91	0,97	1,03	1,08	1,13	1,18	140 mesh
1,5	1,31	1,43	1,54	1,65	1,75	1,84	1,93	2,01	120 mesh
1,8	1,80	1,91	2,00	2,08	2,14	2,19	2,24	2,28	120 mesh

PRESSURE FLOW REPORT



CREATION OF CODES FOR ORDERS OF FLOW-TAPE

Code	Ø	Mils	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



MAXIMUM LENGTH RECOMMENDED IN PLAN AT 7 MH2O

Ø mm	Flow rate lt/h	Variation Flow Rate %	Distance between drippers (cm)			
			10	20	30	40
16	0,6	EU 90%	135	210	280	329
		EU 85%	176	272	349	420
	1,0	EU 90%	99	158	194	247
		EU 85%	125	196	251	299
	1,8	EU 90%	67	104	138	158
		EU 85%	87	132	172	207
22	0,6	EU 90%	229	355	470	562
		EU 85%	-	460	597	719
	1,0	EU 90%	168	259	335	421
		EU 85%	215	331	425	518
	1,5	EU 90%	111	177	233	274
		EU 85%	142	231	298	359
25	0,6	EU 90%	-	453	580	728
		EU 85%	-	-	737	895
	1,0	EU 90%	199	322	417	498
		EU 85%	-	408	534	650
	1,5	EU 90%	162	254	315	378
		EU 85%	197	312	405	497
	1,8	EU 90%	139	219	287	353
		EU 85%	181	285	367	458

Pressure/flow rate ratio				
Flow rate	mH2O			
l/h	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

Number of rolls for transport								
Rolls/ pallet	Rolls/Container 20 ft			Rolls/Container 40 ft HC			Truck	
	Pallet	Rolls on pallet	Rolls no pallet	Pallet	Rolls on pallet	Rolls no pallet	Pallet	Rolls
20	20	400	450	40	800	910	40	800

FLOW-TAPE Ø 16	
Mils	Length (m/roll)
6	3.050
8	2.200
10	1.830

FLOW-TAPE Ø 22	
Mils	Length (m/roll)
7	2.000
8	1.830
10	1.340
12	1.200

FLOW-TAPE Ø 25 (ON REQUEST)	
Mils	Length (m/roll)
8	1.350
10	1.150
12	900



LIGHT DRIPLINE T-SAL

T-SAL drippers with turbulent labyrinth flow made using only high quality polymers. **CV % = 1,5** in used on annual crops like tomatoes, potatoes and peppers.

CHARACTERISTICS OF THE DRIPPER

Flow rate lt/h	Variation of nominal Flow rate (lt/h) in functions of p (mH2O)				Recommended Filtration	
	mH2O					
	5	8	10	12		
0,60*	0,42	0,54	0,60	0,66	140 Mesh	T-SAL S1
1,00	0,70	0,86	0,95	1,03	120 Mesh	
1,40	0,99	1,23	1,36	1,48		
2,20*	1,63	2,00	2,20	2,38		
	mH2O					T-SAL S1
	5	8	15	20		
0,80	0,56	0,79	0,96	1,11	120 Mesh	
1,15	0,79	1,05	1,43	1,67		
1,50	0,96	1,32	1,74	2,04		
2,30	1,58	2,10	2,86	3,34		
3,80	2,61	3,80	4,73	5,53		

* Available on request



CHARACTERISTICS OF THE T-SAL S1 TUBE

Ø mm	Ø mm internal for 8 mils	Thickness		Maximum working pressure mH2O
		mils	micron	
16	16,1	6	152,4	10
		8	177,8	12
		10	254,0	14
22	22,2	8	152,4	10
		10	177,8	13

CHARACTERISTICS OF THE T-SAL L TUBE

Ø mm	Ø mm internal for 8 mils	Thickness		Maximum working pressure mH2O
		mils	micron	
16	16,1	6	152,4	10
		8	177,8	12
		10	254,0	14
		12	304,8	15
		15	381,0	20
		18	457,2	25
22	22,2	8	177,8	10
		10	254,0	13
		12	304,8	15
		15	381,0	16
25	25	10	254,0	8
		24	600,0	16

Available on request for spacing over 50 cm



DIMENSIONS OF ROLLS FOR SPACING IN CM

Ø mm	Spacing cm	6 mils	8 mils	10 mils
		Roll mt		
16	15	2.700	2.600	
	20	2.800	2.700	2.300
	25	2.900	2.800	2.400
	30			
	40	3.000	2.900	2.500
	50			
22	20		2.000	1.400
	25			1.500
	30		2.100	1.600
	40			
	50			

T-SAL S1

Ø mm	Spacing cm	6 mils	8 mils	10 mils	12 mils	15 mils
		Roll mt				
16	15	2.300	2.200	-	-	1.050
	20	2.400	2.300	2.000	1.400	1.150
	25	2.500	2.400	2.100	1.500	1.200
	30	2.600	2.500	2.300	1.700	1.300
	40	2.600	2.500	2.300	1.700	1.300
	50	2.600	2.500	2.300	1.700	1.300
22	20		1.400	1.200	1.050	900
	25		1.500	1.300	1.150	1.000
	30		1.600	1.400	1.250	1.100
	40		1.600	1.400	1.250	1.100
	50		1.600	1.400	1.250	1.100

T-SAL S1



Number of rolls for transport						
Rolls/pallet	Rolls/Container 20 ft		Rolls/Container 40 ft HC		Truck	
	Pallet	Rolls	Pallet	Rolls	Pallet	Rolls
20	16	320	40	800	40	800

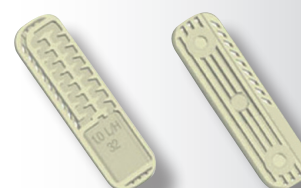
T-SAL S1 SHORT DRIPPER WITH 1,0 L/H NOMINAL FLOW RATE

MAXIMUM LENGHT RECOMMENDED IN PLAN FOR T-SAL 8 MILS OF THICKNESS

Ø mm	Flow rate lt/h	Variation Flow Rate %	Distance between drippers (cm)							
			15	20	25	30	40	50	60	
16	0,60	10%	128	156	181	218	248	288	324	T-SAL S1
		15%	149	182	212	254	289	336	378	
	1,00	10%	99	120	140	168	191	222	250	
		15%	115	140	163	196	222	258	291	
	1,40	10%	78	94	110	131	149	173	194	
		15%	91	110	127	153	173	201	226	
	2,20	10%	57	69	80	91	110	125	143	
		15%	66	80	92	120	126	144	165	
22	0,60	10%	219	267	312	353	428	496	560	T-SAL S1
		15%	255	311	363	411	498	578	652	
	1,00	10%	166	202	236	266	323	375	424	
		15%	193	235	274	310	376	437	493	
	1,40	10%	133	161	187	211	255	295	332	
		15%	155	188	218	245	296	343	386	
	2,20	10%	96	116	138	156	186	218	247	
		15%	110	136	158	179	217	251	284	



T-SAL S1

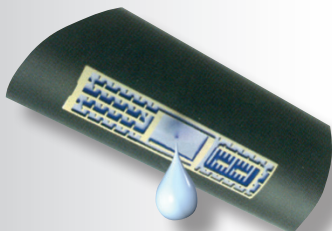


MAXIMUM LENGHT RECOMMENDED IN PLAN FOR T-SAL 8 MILS OF THICKNESS

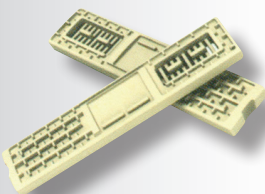
Ø mm	Flow rate lt/h	Variation Flow Rate %	Distance between drippers (cm)							
			15	20	25	30	40	50	60	
16	0,60	EU 90%	172	208	242	274	332	384	434	T-SAL S1
		EU 85%	198	239	278	315	382	442	499	
	1,00	EU 90%	148	180	209	236	286	332	374	
		EU 85%	169	205	239	270	327	379	427	
	1,40	EU 90%	105	123	146	164	199	230	259	
		EU 85%	120	142	167	189	229	264	298	
	2,20	EU 90%	75	91	110	124	149	170	185	
		EU 85%	98	120	139	158	190	220	245	
22	0,60	EU 90%	277	338	394	446	541	627	708	T-SAL S1
		EU 85%	318	389	453	513	622	721	815	
	1,00	EU 90%	220	270	314	355	431	500	565	
		EU 85%	253	310	361	408	495	575	649	
	1,40	EU 90%	164	199	231	260	314	364	409	
		EU 85%	189	229	265	297	361	418	470	
	2,20	EU 90%	131	152	179	208	245	294	323	
		EU 85%	165	204	238	271	325	376	422	



T-SAL L 2,2 L/H NOMINAL FLOW RATE



T-SAL L



NEWS



NEWS

MAXIMUM LENGHT RECOMMENDED IN PLAN FOR T-SAL 8 MILS OF THICKNESS

Ø mm	Flow rate lt/h	Variation Flow Rate %	Distance between drippers (cm)							
			15	20	25	30	40	50	60	
16	0,8	10% 15%	100 117	124 144	146 170	166 193	203 236	237 275	268 311	T-SAL L
	1,15	10% 15%	76 89	94 109	110 129	125 146	153 179	179 209	202 236	
	1,5	10% 15%	64 74	79 92	93 108	106 123	129 150	151 176	170 199	
	2,3	10% 15%	51 59	62 72	73 85	83 97	101 118	118 137	133 155	
	3,8	10% 15%	36 41	44 51	52 60	59 69	72 84	85 98	95 111	
22	0,8	10% 15%	170 197	211 245	249 290	284 331	349 406	408 475	463 539	
	1,15	10% 15%	127 147	158 184	186 217	212 248	261 304	305 356	346 404	
	1,5	10% 15%	111 130	139 161	164 191	187 218	230 268	269 313	305 404	
	2,3	10% 15%	84 98	104 122	123 143	140 163	172 200	201 234	227 264	
	3,8	10% 15%	59 69	74 86	87 101	100 116	122 142	143 167	163 190	
25*	0,8	10% 15%	195 225	245 278	287 329	320 375	405 460	475 540	538 620	
	1,15	10% 15%	150 170	185 215	218 250	250 290	305 355	360 410	415 470	
	1,5	10% 15%	125 145	155 180	185 210	215 240	255 300	305 335	340 395	
	2,3	10% 15%	95 105	115 135	140 155	160 185	195 225	230 260	265 300	
	3,8	10% 15%	65 80	85 95	100 115	120 135	145 165	170 190	195 220	

MAXIMUM LENGHT RECOMMENDED IN PLAN FOR T-SAL 8 MILS OF THICKNESS

Ø mm	Flow rate lt/h	Variation Flow Rate %	Distance between drippers (cm)							
			15	20	25	30	40	50	60	
16	0,8	EU 90% EU 85%	143 172	170 195	209 234	220 270	260 325	301 376	342 427	T-SAL L
	1,15	EU 90% EU 85%	117 145	140 173	167 205	180 220	219 270	250 310	280 351	
	1,5	EU 90% EU 85%	96 116	110 141	138 155	145 181	175 218	204 252	228 282	
	2,3	EU 90% EU 85%	70 87	91 114	107 134	125 152	146 184	173 213	195 240	
	3,8	EU 90% EU 85%	52 66	61 79	76 97	82 102	97 122	115 141	129 160	
22	0,8	EU 90% EU 85%	243 272	298 365	365 400	375 477	462 571	531 659	600 744	
	1,15	EU 90% EU 85%	200 213	249 298	294 314	320 399	385 476	443 552	501 620	
	1,5	EU 90% EU 85%	173 187	196 234	245 266	259 315	309 380	359 442	402 499	
	2,3	EU 90% EU 85%	123 137	153 178	180 200	205 254	251 305	289 355	327 392	
	3,8	EU 90% EU 85%	88 96	109 135	129 141	145 181	174 193	201 248	228 278	
25*	0,8	EU 90% EU 85%	270 350	331 428	390 510	450 580	550 720	650 850	740 950	
	1,15	EU 90% EU 85%	210 260	255 330	300 380	340 440	420 540	490 640	560 730	
	1,5	EU 90% EU 85%	185 220	220 270	260 320	300 370	385 455	430 530	490 600	
	2,3	EU 90% EU 85%	132 165	160 210	190 245	220 280	275 340	330 400	370 460	
	3,8	EU 90% EU 85%	95 120	118 150	140 180	160 210	205 250	240 300	275 340	

*Available on request

HEAVY DRIPLINE T-SAL DL

Used in horticultural, intensive and extensive open field or greenhouses crops. The dripper is coextruded during the production. High resistance to occlusion thanks to a large labyrinth and turbulent flow. Water inlet point in the dripper guarantees to always take the cleanest water.

- **Thickness of the wall : from 36 mil**
- **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**
- **Dripper with labyrinth and trubolent flow and wide passages**
- **Filter with wide inlet**
- **Coefficient of variation CV : 1,5 %**
- **Recommended filtration : 120 mesh**
- **Pipe in PE and LDPE**
- **Dripper in polyethylene**



CHARACTERISTICS OF PIPE

Ø nom	Thickness		Ø int	Ø est	max P
	mm	mils			
16,0	0,9	36	16,10	17,90	35,00
20,0	0,9	36	17,50	19,30	35,00

CHARACTERISTICS OF DRIPPER

Variation of nominal Flow rate (lt/h) in functions of P (mH2O)				
l/h	mH2O			
	5	10	15	20
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

Dripline TSAL DL Ø 16 - standard rolls

Thickness mil	Spacing cm	l/h	Code	Roll mt
36	30	1,5	TSAL883	500
36	40	1,5	TSAL884	500
36	30	2,3	TSAL922	500
36	40	2,3	TSAL923	500

Dripline TSAL DL Ø 20 - standard rolls

Thickness mil	Spacing cm	l/h	Code	Roll mt
36	30	1,5	TSAL1103	500
36	40	1,5	TSAL1104	500
36	30	2,0	TSAL1113	500
36	40	2,0	TSAL1114	500

Number of rolls for transport

Rolls/ pallet	Rolls/Container 20 ft		Rolls/Container 40 ft HC		Truck	
	Pallet	Rolls	Pallet	Rolls	Pallet	Rolls
28	10	280	20	560	20	560

MAXIMUM LENGHT RECOMMENDED IN MT IN PLAN FOR TSAL L 36 MIL

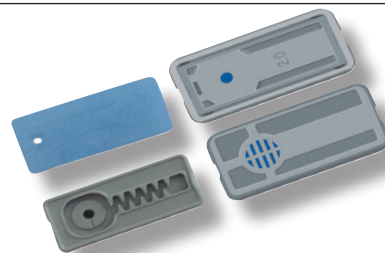
Ø mm	Flow rate lt/h	Variation flow rate %	Spacing between drippers (cm)	
			30	40
16	1,15	10%	100	122
	1,5	10%	85	104
	2	10%	75	93
	2,3	10%	64	80
	3,8	10%	47	57
20	1,15	10%	140	170
	1,5	10%	120	147
	2	10%	107	131
	2,3	10%	92	111
	3,8	10%	66	81



HEAVY DRIPLINE SELF COMPENSANTING SUPER DRIP NORMAL AND SLOW DRAIN

Mainly used in vineyards, orchards, gardens, crops in a row, in sloping ground, both on the surface and underground. flat dripper with large turbulent flow path and 17 filtration inputs ensures a high resistance to clogging.

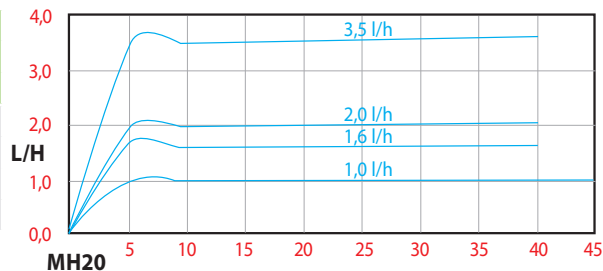
A wide range of pressure compensation (5 to 40 mH₂O) allows a high performance even in soils characterized by steep elevation changes.



CHARACTERISTICS OF PIPE AND DRIPPER

Ø mm	Ø Internal mm	Thickness		Working pressure mH2O	Drippers			Filtration recomm.
					Flow rate lt/h	Superdrip		
						RC	PC AS	
16	14,2	1,0 mm	40 mil	5 ÷ 43	1,0	Req.	NA	120 mesh
20	17,5				1,6	Req.	Avai.	
23	20,8				2,0	Avai.	Avai.	
						3,5	Req.	

PRESSURE FLOW RELATIONSHIP



MAXIMUM LENGHT IN MT RECOMMENDED IN PLAN FOR SUPER DRIP

Ø mm	Distance betw. dripp.(cm)	20	30	40	50	60	80	100	20	30	40	50	60	80	100	20	30	40	50	60	80	100	20	30	40	50	60	80	100
	Flow rate lt/h	1,0							1,6							2,0							3,5						
	MH20 entrance																												
16	20	130	184	234	280	323	383	476	92	132	169	201	234	289	340	83	118	149	179	207	246	305	63	85	104	122	139	162	196
	30	154	218	277	332	383	455	566	112	158	200	239	277	344	407	98	139	178	213	246	293	363	78	105	130	152	172	201	244
	40	163	232	194	353	407	485	602	124	177	223	268	310	388	458	110	156	199	238	276	328	407	89	120	148	174	197	230	279
20	Flow rate lt/h	1,0							1,6							2,0							3,5						
	MH20 entrance																												
	20	215	297	370	437	499	585	717	155	213	267	312	359	441	517	138	190	237	280	320	376	461	104	136	165	191	215	249	299
	30	255	352	439	519	593	696	853	184	253	316	374	426	525	615	164	226	282	334	381	448	549	129	170	205	238	268	309	373
	40	271	374	467	552	631	741	908	207	284	355	418	478	588	687	183	253	316	374	427	502	615	147	194	235	272	306	354	427
23	Flow rate lt/h	1,0							1,6							2,0							3,5						
	MH20 entrance																												
	10	197	272	336	393	446	551	643	215	295	366	430	496	610	705	129	173	214	255	293	361	418	88	121	147	176	203	247	288
	20	283	387	483	569	651	797	922	255	352	436	513	587	717	841	186	251	313	368	419	515	602	130	175	220	257	298	364	427
	30	344	470	582	683	778	908	1.106	287	394	491	577	659	807	945	219	300	372	438	499	582	710	153	210	262	309	355	428	505



Number of rolls for transport

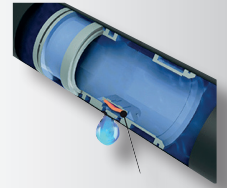
Ø mm	Rolls/Container 20 ft	Rolls/Container 40ft	Rolls for Truck	Rolls mt
16	180	342	342	500
20	130	302	300	400
23*	240	588	672	350

*Carton packaging rolls

DRIPLINE SELF COMPENSATING PC2

DRIPLINE SELF COMPENSATING PC2

Large turbulent flow path, double filtration inlets, twin labyrinth design and the widest pressure compensation range (5 ÷ 45 mH2O) in the industry means uncompromising and unmatched performance. Ideal applications include vineyards, orchards, landscaping, row crops, and cotton in sloping ground both surface and subsurface.



PC2 membrane pressure compensation



CHARACTERISTICS OF PIPE AND DRIPPER

Ø mm	Ø Internal mm	Ø Esternal mm	Thickness	
16	13,7	15,8	1,1 mm	40 mil
20	17,5	19,9	1,25 mm	48 mil

Drippers			Filtration recomm.
Flow rate lt/h	PC2		
	Ø 16	Ø 20	
1,3	Request	NA	140 mesh
1,5	NA	Request	140 mesh
2,2	Available	Available	120 mesh
3,8	Available	Available	120 mesh

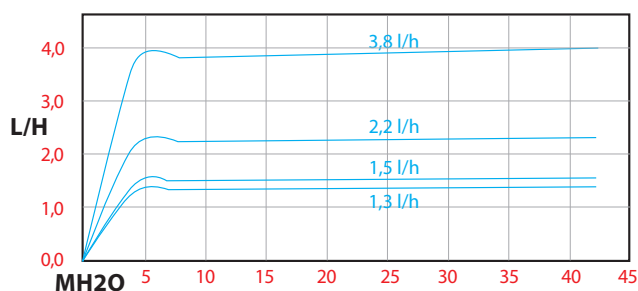
MAXIMUM LENGHT RECOMMENDED IN PLAN (MAX 10 % OF DIFFERENCE OF FLOW RATE)

Ø mm	Distance between drippers (cm)	30	40	50	60	80	30	40	50	60	80	30	40	50	60	80
	Flow rate lt/h	1,3					2,2					3,8				
	Inlet pressure mH2O															
16	15	107	138	166	193	242	77	99	119	138	174	54	69	83	96	121
	20	126	162	196	227	286	91	116	140	163	205	63	81	98	113	142
	25	141	181	219	254	320	101	130	157	182	229	70	90	109	127	159
	30	153	196	237	276	347	110	141	170	197	249	76	98	119	138	174
	35	164	210	254	295	372	118	151	182	211	266	82	105	127	147	186
	40	173	222	268	311	393	124	159	192	223	282	86	111	134	156	196
	45	181	232	281	327	412	130	167	202	234	295	91	116	141	163	206
20	Flow rate lt/h	1,5					2,2					3,8				
	Inlet pressure mH2O															
	15	149	191	231	268		116	148	197	208		81	104	125	145	
	20	176	226	272	316		136	175	212	245		95	122	148	171	
	25	197	252	304	353		152	196	236	274		106	136	165	191	
	30	213	274	330	383		166	212	257	298		115	148	179	208	
	35	228	292	353	410		177	227	274	319		123	158	191	222	
	40	241	309	373	433		187	240	290	337		130	167	202	235	
	45	252	324	391	454		196	252	304	353		136	175	212	247	

Number of rolls for transport

Ø mm	Rolls/Container 20 ft	Rolls/Container 40ft	Rolls for Truck	Rolls mt
16	180	400	342	400
20	130	300	380	300

PRESSURE FLOW RELATIONSHIP





PC2 NO DRAIN DRIPLINE SELF COMPENSATING

PC2 NO DRAIN is a dripline containing flow-regulating cylindrical drippers.

PC2 NO DRAIN has a sensitive floating diaphragm which regulates and maintains a constant flow rate at variable Inlet pressures. In addition to the flow regulation, PC2ND also has a no-drain feature. The water stops flowing throughout the drippers when the pressure drops to 1 mH₂O. The no drain feature protects driplines from sucking in a small soil particles at system shut down. And with two outlets per dripper, PC2ND will continue to deliver the right amount of water, throughout the entire field. The PC2ND Is the Ideal choice for subsurface drip Irrigation system. Like the standard Hydro PC, it has a high clogging resistance due to the design and size of the dripper channel. And with the self-cleaning mechanism, the dripper continuously flushes the inlet filter In the dripline.

The PC2ND is constructed with premium resins resistant to UV degradation and damage caused from commonly used chemical substances for the fertilization.



CHARACTERISTICS OF PIPE AND DRIPPER

Ø mm	Ø Internal mm	Thickness		Working pressure mH ₂ O	Drippers		Recommended Filtration
					Flow rate lt/h	Availability	
16	13,80	1,00 mm	40 mils	max 35	1,75	Step 15 cm on request	120 mesh
					2,35	Available	
					3,75	Request	
20	19,88	1,00 mm	40 mils	min 8	1,75	Request	
					2,35	Available	
					3,60	Request	
	17,60	1,14 mm	45 mils	at closure 1	1,75	Request	
					2,35	Available	
					3,60	Request	

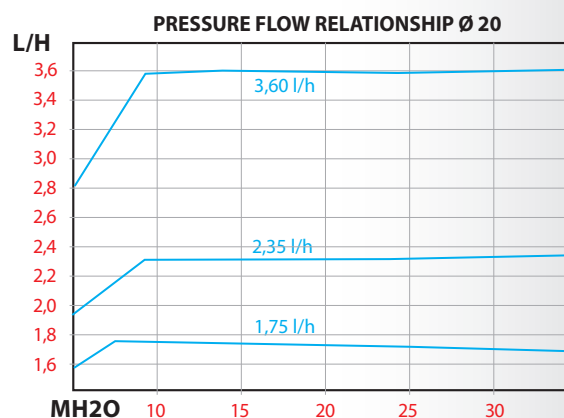
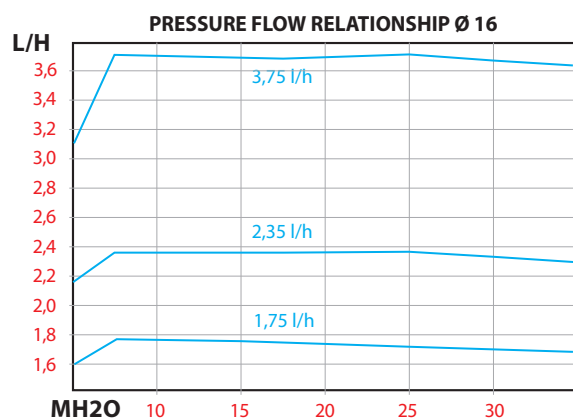
Number of rolls for transport

Ø mm	Rolls/Container 20 ft	Rolls/Container 40ft	Rolls for Truck	Rolls mt
16	180	400	342	400
20	180	300	380	300



MAXIMUM LENGHT IN MT RECOMMENDED IN PLAN

Distance between drippers (cm)		20	30	40	50	60	80	20	30	40	50	60	80	20	30	40	50	60	80
Ø mm	Flow rate lt/h	1,75						2,35						3,75					
	mH2O																		
16	10	43	62	78	93	107	133	36	51	64	77	88	110	26	37	47	57	65	82
	20	76	407	136	163	188	235	62	89	112	138	156	194	46	65	83	100	115	144
	30	92	131	167	201	232	290	76	108	138	166	191	239	56	80	102	122	142	177
20	Flow rate lt/h	1,75						2,35						3,60					
	mH2O																		
	10	71	99	124	148	169	209	54	76	95	113	129	159	44	62	78	93	106	131
	20	124	174	219	261	299	370	101	141	178	212	244	302	77	109	137	163	188	233
	30	152	213	269	321	368	457	124	175	220	263	302	374	95	133	168	201	231	286



HEAVY DRIPLINE NOT SELF COMPENSATING NEW GR

GR has been providing accurate, dependable performance to growers of virtually every kind of drip irrigated crop. The continuous success of this incredible dripline is confirmed by the excellent feedback we receive daily from growers. Multipurpose and dependable, GR has a history of success in orchards, vineyards and row crop fields throughout the world, with many original systems still in use after more than 18 years. Available in both large and small diameter tubing and with four flow rate options, GR is well suited for any field situation.



CHARACTERISTICS OF PIPE AND DRIPPER

Ø mm	Ø Internal mm	Ø Esternal mm	Thickness		Maximum working pressure mH2O	Drippers		Recommen- ded Filtration
						Flow rate lt/h	Availability	
16	13,8	15,8	1,1 mm	40 mil	45	1,0	Request	120 mesh
						2,0	Available	
						4,0	Available	
20	17,6	20	1,2 mm	48 mil		2,0	Available	
						4,0	Available	

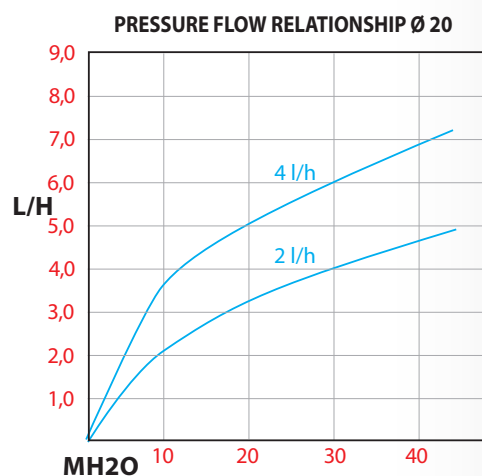
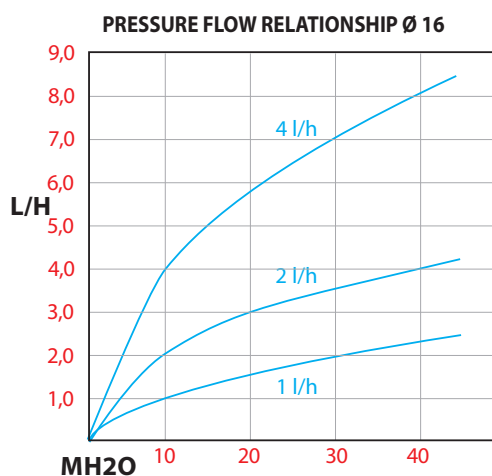


Number of rolls for transport				
Ø mm	Rolls/Container 20 ft	Rolls/Container 40ft	Rolls for Truck	Rolls mt
16	180	400	342	400
20	130	300	380	300



MAXIMUM LENGHT RECOMMENDED IN PLAN (MAX 10 % OF DIFFERENCE OF FLOW RATE)

Ø mm	Inlet pressure mH2O	Flow rate lt/h	Distance between drippers (cm)				
			30	40	50	60	80
16	10	1,0	91	113	133	151	186
		2,0	62	77	91	104	127
		4,0	41	51	61	69	85
20	10	2,0	95	117	138	157	191
		4,0	72	90	105	119	146





HOSE LAYFLAT

STANDARD LENGTH: 300 ft per bale (special order for longer lengths)

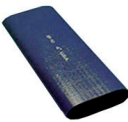
Temperature range: -5° F to 170° F

Applications: mines, construction, irrigation, etc.

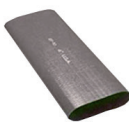
Construction: 3-ply polyester yarn. Both tube and cover are extruded simultaneously to obtain maximum bonding.

Caution: for liability purposes, if temperature exceeds 110°F the working pressure will go down. Please check with factory to ensure sufficient safety factor.

SF-10 BLUE for drip irrigation as it may engage directly (using the special fittings) the dripline

	Ø	Ø Internal mm	Thickness mm	Max working pressure Bar at 20°C	Design burst pressure Bar at 20°C	Length of roll in mt	Approx. weight kg/m
	2"	53,1	1,5	5,5	16,6	100	0,42
	2 1/2"	65,0		4,5	13,8		0,46
	3"	78,0	1,6	5,5	16,6		0,59
	4"	104,9	1,7	4,8	14,5		0,82
	5"	127,0	1,8	2,7	8,9		1,97
	6"	156,5	1,9	4,1	13,8	100-50	1,32
	8"	207,0	2,2	2,4	6,9	50	1,94

SF-55 GRAY to engage directly (using the special fittings) mini-sprinklers and water transport

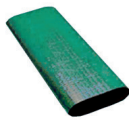
	Ø	Ø Internal mm	Thickness mm	Max working pressure Bar at 20°C	Design burst pressure Bar at 20°C	Length of roll in mt	Approx. weight kg/m
	2"	52,8	2,2	10,3	27,6	100	0,54
	3"	76,2	2,5	10,3	41,3		0,96
	4"	104,0	2,9	6,9			1,39
	5"	128,8	3,3				1,98
	6"	154,9	3,7			50	2,48

HOSE TD-FLAT / TN-FLAT / TR-FLAT

TD-FLAT

	Ø	Ø Internal mm	Thickness mm	Max working pressure Bar at 20°C	Design burst pressure Bar at 20°C	Length of roll in mt	Approx. weight kg/m	
	2"	52,0	1,2	4,0	12,0	100	0,27	
	3"	78,0	1,4	3,0	8,0		0,38	
	4"	103,0			9,0		0,53	
	5"	128,0	1,8				0,86	
	6"	156,0	2,0	2,5	7,0		1,00	
	8"	207,0	2,3				2,05	

TN-FLAT

	Ø	Ø Internal mm	Thickness mm	Max working pressure Bar at 20°C	Design burst pressure Bar at 20°C	Length of roll in mt	Approx. weight kg/m				
	2"	52,0	1,7	10,0	30,0	100	0,33				
	2"½	66,0	1,8				0,40				
	3"	77,0	1,9				0,57				
	4"	104,0	2,0	6,0	18,0		0,78				
	5"	128,0	2,3				1,00				
	6"	156,0					1,32				

TR-FLAT

	Ø	Ø Internal mm	Thickness mm	Pressione di esercizio Bar	Design burst pressure Bar at 20°C	Length of roll in mt	Approx. weight kg/m
	2 1/2"	66,0	2,30	16,0	48,0	100	0,33
	3"	78,0	2,35				0,36

TD-FLAT BLUE LAYFLAT - pre-holed hose with starter of 1/2" prefilled

	Ø	Ø Internal mm	Thickness mm	Distance between departures in cm	Max working pressure Bar at 20°C	Length of roll in mt	Approx. weight kg/m
	3"	78,0	1,40	90	3	100	0,39
	4"	105,0					0,54
	5"	128,0	1,75				0,87
	6"	156,5	2,0				1,01
	3"	78,0	1,40	140	3	100	0,39
	4"	105,0					0,54
	5"	128,0	1,75				0,87
	6"	156,5	2,00				1,01
	3"	78,0	1,40	150	3	100	0,39
	4"	105,0					0,54
	5"	128,0	1,75				0,87
	6"	156,5	2,00				1,01
	3"	78,0	1,40	180	3	100	0,39
	4"	105,0					0,54



NEWS

Note: customized distances available on request

FITTINGS FOR LAYFLAT



Female spherical fitting



Male spherical fitting



Hose clamps



PE Coupling
for Layflat



PE Male threaded
for Layflat



PVC Male threaded for
Layflat



PE Reducer
for Layflat



PE end line
for Layflat

FITTINGS FOR PE PIPE



Male threaded fitting



Female threaded fitting



Tee 90°



Elbow 90°

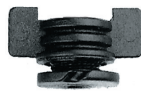
Fittings from LAYFLAT for TAPE, T-SAL and MICRO-SPRINKLERS



Starter for Flow-Tape and
T-SAL



Starter for
T-SAL



Starter for
micro-sprinklers



Male threaded fitting



Female threaded



Starter from pe PIPE
to T-SAL



End-of-line cap for tube
and dripline with ring nut



Sleeve x PE and dripline
30÷40 mil



Elbow x PE and
dripline 30÷40 mil



Tee x PE and dripline
30÷40 mil



M x PE and dripline
30 ÷ 40 mil



Elbow x PE and
dripline 30÷40 mil



Tee x PE and
dripline 30÷40 mil



Plug for PE and
dripline 30÷40 mil



Starter from PE for Flow-Tape and
T-SAL



Coupling for Flow-Tape
and T-SAL



Fitting threaded male for
Flow Tape and T-SAL



Fitting male with floating
ring for T-SAL



Coupling with floating
ring for T-SAL

FITTING FOR DRIPLINE AND PE PIPE



Safety Coupling



Coupling



Reduced coupling



Elbow



Tee 90°



Connector male threaded H.A.



Starter from PE threaded



End Cap with ring for dripline



End cap for pipe and dripline

FERTIRRIGATION



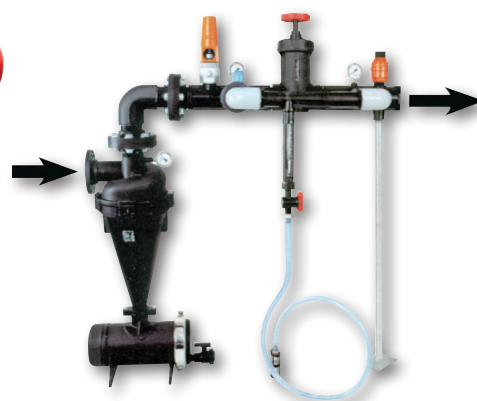
FILTER SERIES SF100



FILTER SERIES SF200 AND SF400



FILTER HYDROCYCLONE



FILTER HYDROCYCLONE
IN POLYPROPYLENE



SD SERIES DISK FILTERS



GRAVEL FILTERING
STATION



PROGRAMMER
BACKWASHING



DISK FILTER



AUTOMATIC FILTERING
STATION DISK
SD-CLEAN



FERTICONTROL SA