

pluvio

DRIPPING HOSE

WITH FAST WATER JETS DRIPPING DEVICES

Pluvio is a drip irrigation system manufactured with a thin, flexible hose, with fast water-jets dripping devices placed at specific distances. It is made of a high-quality Polyethylene, which guarantees a long-term reliability and the best mechanical and tensile strength performance.

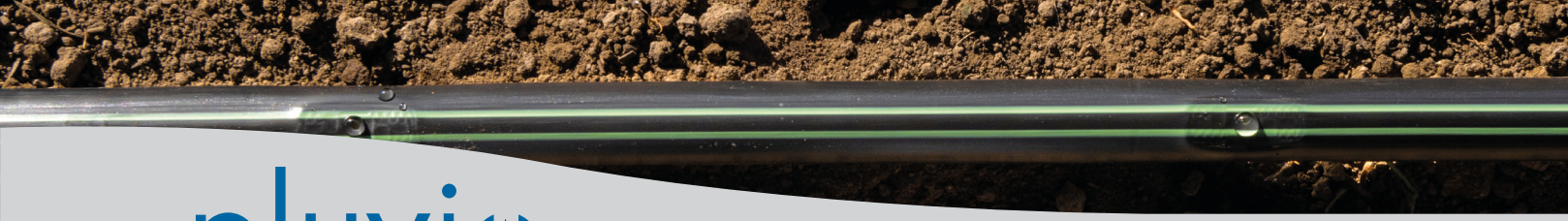
TECHNICAL SPECIFICATIONS

- It is suitable for fertirrigation thanks to the dripper internal design: fast jets of wide internal flows give the dripper self-cleaning power (minimum pressure 0,3 bar / 4 psi).
- High flow-rate homogeneity thanks to the labyrinth design, that ensures an optimal CV (coefficient of variation).
- The ATP dripper is manufactured with new moulding technologies and the highest quality raw materials.
- The high accuracy and drilling technology allow an appropriate drip with any flow rate.

ADVANTAGES AND APPLICATIONS

- Water supply is graduated for each hole allowing for a better growth of the plants.
- Reduction in the use of water and fertilizers whose percentage can be calculated according to the capacity of the dripping device and the length of the dripping hose.
- Reduction in labour force, given that these systems are mechanically installed.
- High resistance to occlusion thanks to the innovative structure of the filter and to the fast water-jet inside the hose.
- Suitable for different kind of drip irrigation: extensive crops in open field, greenhouses and hydroponic irrigation, protected crops (mulching), floriculture, vegetable and fruit cultivation, fertirrigation and light sub-irrigation.





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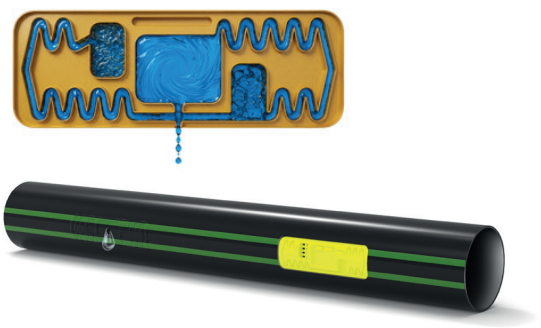
TECHNICAL DATA

ø Nominal		Wall thickness		Operating pressure					
				min		suggested		max	
mm	inch	mil	mm	bar	psi	bar	psi	bar	psi
16	5/8"	6	0,15	0,3	4	0,7	10	1	15
		8	0,20						
		10	0,25						
		12	0,30						
		15	0,38						
		18	0,45						
22	7/8"	8	0,20						
		10	0,25						
		12	0,30						
		15	0,38						
		18	0,45						

DRIPPING DEVICE CHARACTERISTICS

Flow Rate						Filtering	
Nominal		0,5 bar - 7 psi		0,7 bar - 10 psi			
lph	gph	lph	gph	lph	gph	mesh	micron
0,80	0,21	0,72	0,19	0,80	0,21	150	100
1,00	0,26	0,90	0,24	1,00	0,26		
1,20	0,32	1,08	0,29	1,20	0,32	120	125
1,60	0,42	1,44	0,38	1,60	0,42		
2,00	0,53	1,80	0,48	2,00	0,53		
2,40	0,63	2,16	0,57	2,40	0,63		
3,00	0,79	2,70	0,71	3,00	0,79		

SELF-CLEANING POWER
(min 0,3 bar / 4 psi)

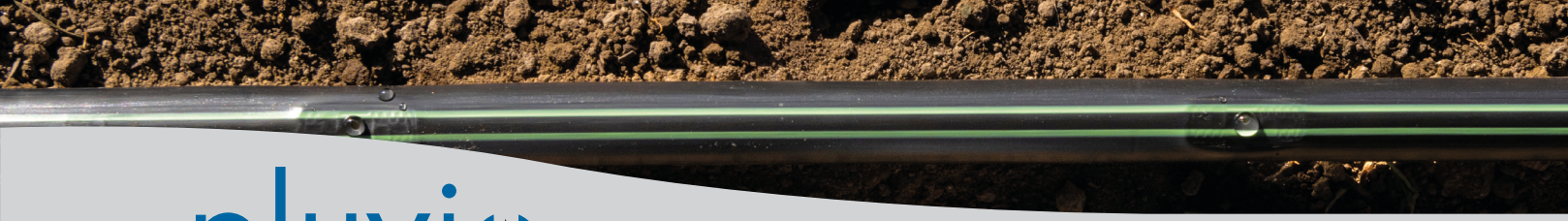


MAXIMUM LENGTH SUGGESTED (m)

Flow rate l/h	Slope	Diameter 16 mm								
		15	*20*	*25*	*30*	*40*	*50*	*60*	*75*	*100*
0,8	0%	140	149	177	257	288	322	357	383	391
1,0		128	140	168	228	259	291	323	352	370
1,2		115	130	160	200	230	260	290	320	350
1,6		88	111	128	143	172	198	223	257	309
2,0		70	90	100	110	130	160	180	200	210
2,4		60	80	90	100	120	150	170	190	200
3,0		50	70	80	90	110	140	160	180	190

Flow rate l/h	Slope	Diameter 22 mm						
		20	*30*	*40*	*50*	*60*	*75*	*100*
0,8	0%	290	380	460	540	600	690	830
1,0		265	345	415	487	545	625	760
1,2		240	310	370	435	490	560	690
1,6		200	250	300	350	400	450	550
2,0		160	210	260	305	345	400	460
2,4		140	190	240	285	325	380	440
3,0		120	170	220	265	305	360	420

ATP
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Flow rate (gph)	Slope	Diameter 5/8"								
		6"	8"	10"	12"	16"	20"	24"	30"	39"
0,21	0%	459	489	581	843	945	1056	1171	1257	1283
0,26		417	456	551	748	850	955	1060	1152	1214
0,32		377	427	525	656	755	853	951	1050	1148
0,42		289	364	420	469	564	650	732	843	1014
0,53		230	295	328	361	427	525	591	656	689
0,63		197	262	295	328	394	492	558	623	656
0,79		164	230	262	295	361	459	525	591	623

Flow rate (gph)	Slope	Diameter 7/8"						
		8"	12"	16"	20"	24"	30"	39"
0,21	0%	951	1247	1509	1772	1969	2264	2723
0,26		869	1132	1362	1598	1788	2051	2493
0,32		787	1017	1214	1427	1608	1837	2264
0,42		656	820	984	1148	1312	1476	1804
0,53		525	689	853	1001	1132	1312	1509
0,63		459	623	787	935	1066	1247	1444
0,79		394	558	722	869	1001	1181	1378

PACKAGING

		STANDARD PACKAGING LOAD						NOT STANDARD	
ø	mil	Roll lenght		Pallet 105x105x120 cm	Container 20"	Container 40"	TIR 14 m	Roll lenght	
		m	ft	rollos	rollos	rollos	rollos	m	ft
16 5/8"	6	2000	6562	20	360	880	960	1500-1000-750-250-100	4921-3281-2461-820-328
	8	2000	6562	20	360	880	960	1500-1000-750-250-100	4921-3281-2461-820-328
	10	2000	6562	20	360	880	960	1500-750-250	4921-2461-820
	12	1500	4921	20	360	880	960	on request	on request
	15	1200	3937	20	320	704	768	on request	on request
	18	1000	3281	20	320	704	768	on request	on request
22 7/8"	8	1500	4921	20	360	880	960	on request	on request
	10	1500	4921	20	320	704	768	on equest	on request
	12	1000	3281	20	320	704	768	on request	on request
	15	750	2461	20	320	704	768	on request	on request
	18	750	2461	20	320	704	768	on request	on request

SI CERT

CERTIFIED PRODUCT ISO 9261

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