

# PLUVIO TAPE DRIPPING HOSE WITH LABYRINTH WITH FAST WATER JETS

Dripping hose made on low-thickness flexible pipe made of top quality polyethylene, with continuous labyrinth with fast water jets. **Pluvio Tape** represents the most advanced technological solution in drip irrigation.

The labyrinth is welded during the extrusion phase. The water outlet hole is made with a linear cut that opens when the hose is under pressure and closes at the end of the irrigation cycle, avoiding the entry of foreign particles into the labyrinth. The labyrinth profile is designed to create fast water jets that ensure high flow uniformity and an excellent coefficient of production variation (CV). It is ideal in cases of very close plant sixths, sandy and very draining soils thanks to the presence of drop points with reduced spacing, and light sub-irrigation systems.

We recommend the use of the **Pluvio Tape** dripping hose in case of very short spacing.



## APPLICATION FIELDS



open field crops



fertirrigation



one-season  
crops



vegetables and fruit



light sub-irrigation



floriculture



protected crops

## FEATURES AND BENEFITS

- Self-cleaning power (minimum pressure 0,3 bar)
- Excellent flow uniformity
- UV resistant
- High accuracy and drilling technology that allow an appropriate drip with any flow rate
- High resistance to traction
- Range variety
- Reduced dispersion of water on sandy soils
- Easy installation thanks to the green line, that must be always facing up
- Saving water and fertilizers, the percentage of use can be calculated exactly according to the flow rate of drippers and the length of the strokes of use
- Lower installations and maintenance costs
- 100% recyclable

## TECHNICAL SPECIFICATIONS

- Labyrinth with large internal passages
- Labyrinth welded to the inner wall during extrusion
- Dripper with very low CV (coefficient of variation of production)
- Six different flow rate
- Minimum pressure: 0,3 bar
- Maximum pressure: 0,7 bar
- Filtration: minimum 130 / 150 mesh

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## RANGE

NOMINAL Ø	THICKNESS		MAX PRESSURE	MIN PRESSURE	FLOW RATE	FILTERING
mm	mil	mm	bar	bar	l/h	mesh
16	5/8	5	0,13	0,6	0,6 - 0,8 - 1,0 1,2 - 1,5 - 2,0	130/150
		6	0,15			
		7	0,18	0,7		
		8	0,20			
		10	0,25	1,0		
22	7/8	8	0,20	0,3	0,6 - 0,8 - 1,0 1,2 - 1,5 - 2,0	130/150
		10	0,25			

## MAXIMUM LENGHT SUGGESTED (m) - SLANT 0%

FLOW RATE l/h	DIAMETER 16 mm						DIAMETER 22 mm					
	E.U. %	SPACING (cm)					E.U. %	SPACING (cm)				
		10	15	20	30	40		10	15	20	30	40
0,6	90%	113	146	177	229	260	90%	199	257	310	402	450
	85%	140	183	219	284	310	85%	246	319	384	498	530
0,8	90%	90	115	140	180	210	90%	158	201	245	315	368
	85%	111	141	172	221	258	85%	194	248	301	387	452
1,0	90%	76	99	119	153	184	90%	133	174	208	268	322
	85%	93	122	146	188	226	85%	164	213	256	329	396
1,2	90%	68	88	105	140	175	90%	119	154	184	245	306
	85%	84	108	129	172	215	85%	146	189	226	301	377
1,5	90%	56	59	68	110	140	90%	98	103	119	193	245
	85%	69	73	84	135	172	85%	121	127	146	237	301
2,0	90%	35	44	55	72	86	90%	78	83	94	153	195
	85%	43	54	68	88	106	85%	96	107	115	177	286

E.U.%= Emission Uniformity

## STANDARD

- UNI EN ISO 9261:2010
- UNI EN ISO 9001:2015
- UNI EN ISO 14001:2015

## PACKING

Ø NOMINAL	THICKNESS		ROLL LENGHT	
mm	mil	mm	m	
16	5/8	5	0,13	3655
		6	0,15	3050
		7	0,18	2300
		8	0,20	2300
		10	0,25	1830
22	7/8	8	0,20	1695
		10	0,25	1340

