



PLASTIC-PUGLIA
Irrigation Systems since 1967 

value for
water



AQUATAPE®

DRIP TAPE WITH CONTINUOUS LABYRINTH AND DOUBLE FILTRATION AREA

■ APPLICATIONS

• Open field crops • Greenhouse crops • Horticulture • Floriculture

■ ADVANTAGES

Drip tape made of black polyethylene with a **blue stripe** to indicate correct upward installation on the ground

Double continuous filtration area for excellent clogging resistance

Linear outlet hole made with precision laser technology

Suitable for surface or shallow installation

Low manufacturing coefficient of variation (CV < 2%)

Reduced pressure loss and uniform water distribution over long distances

High resistance to clogging, UV rays, fertilizers and agricultural chemicals

Product certified by IIP in accordance with UNI EN ISO 9261:2010

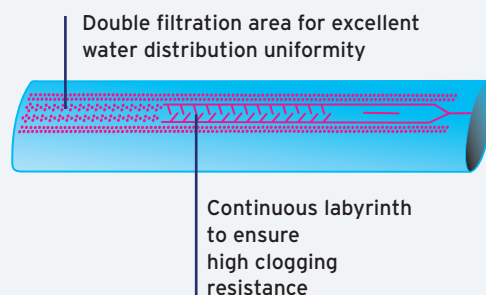
■ TECHNICAL FEATURES

Nominal diameter: 16/22/29 mm

Thickness: 5/6/7/8/10/12/15 mil (0,125/0,15/0,18/0,20/0,25/0,30/0,38 mm)

Available nominal flow rates (0,7 bar): 0,30/0,60/0,90/1,20/1,50/2,00 l/h

Spacing: 10-15-20-30-40 cm



BLUE STRIPE REGISTERED TRADEMARK

CERTIFIED PRODUCT
 
UNI EN ISO 9261:2010

DIAMETER 16 mm (ø int. 16,1 mm) TECHNICAL FEATURES

*for a duration of about half an hour with open ends

Thickness	Max working pressure	Max washing pressure*	Coil length	Average coil weight
5 mil (0,125 mm)	0,70 bar	0,90 bar	3900 m	29,2 kg
6 mil (0,15 mm)	0,80 bar	1,00 bar	3000 m	26,2 kg
8 mil (0,20 mm)	1,00 bar	1,20 bar	2286 m	24,7 kg
10 mil (0,25 mm)	1,20 bar	1,40 bar	1800 m	23,9 kg

DIAMETER 22 mm (ø int. 22,0 mm) TECHNICAL FEATURES

*for a duration of about half an hour with open ends

Thickness	Max working pressure	Max washing pressure*	Coil length	Average coil weight
7 mil (0,18 mm)	0,70 bar	1,00 bar	2100 m	27,5 kg
8 mil (0,20 mm)	0,90 bar	1,10 bar	1800 m	24,8 kg
10 mil (0,25 mm)	1,10 bar	1,30 bar	1500 m	25,8 kg
12 mil (0,30 mm)	1,30 bar	1,50 bar	1200 m	24,8 kg
15 mil (0,38 mm)	1,50 bar	1,70 bar	900 m	24,0 kg

DIAMETER 29 mm (ø int. 29,0 mm) TECHNICAL FEATURES

*for a duration of about half an hour with open ends

Thickness	Max working pressure	Max washing pressure*	Coil length	Average coil weight
10 mil (0,25 mm)	0,90 bar	1,10 bar	1200 m	25,8 kg
12 mil (0,30 mm)	1,10 bar	1,30 bar	1000 m	25,8 kg

PRESSURE-FLOW RATE RELATION TESTS CARRIED OUT ON 8 MIL THICKNESS WITH WATER AT 20°C

Nominal flow rate l/h	Pressure bar								
	0,40	0,50	0,60	0,70	0,80	0,90	1,00	1,10	1,20
0,30	0,22	0,25	0,28	0,31	0,33	0,35	0,37	0,39	0,40
0,60	0,40	0,45	0,50	0,60	0,65	0,70	0,75	0,80	0,85
0,90	0,60	0,70	0,80	0,90	1,00	1,05	1,10	1,15	1,20
1,20	0,85	1,00	1,10	1,20	1,30	1,40	1,50	1,60	1,70
1,50	1,10	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,0
2,00	1,60	1,80	1,90	2,00	2,10	2,20	2,30	2,40	2,50

LABYRINTH FEATURES

Nominal flow rate l/h	Labyrinth dimensions		Flow equation		CV	Recommended filtration
	depth mm	width mm	k	x	%	mesh/micron
0,30	0,45	0,55	0,10	0,50	<2,0	150 / 100
0,60	0,55	0,70	0,25	0,45	<2,0	150 / 100
0,90	0,60	0,72	0,37	0,45	<2,0	150 / 100
1,20	0,65	0,74	0,50	0,45	<2,0	120 / 130
1,50	0,70	0,76	0,62	0,45	<2,0	120 / 130
2,00	0,84	0,80	0,83	0,45	<2,0	120 / 130

FILTER FEATURES*

Spacing cm	Inlet filter area		Continuous filter per metre	
	no. holes	area mm ²	no. holes	area mm ²
10	60	25	1960	825
15	112	47	1960	825
20	150	63	1960	825
30	308	130	1960	825

*Data refers to a flow rate of 1.5 l/h

AQUATAPE®

Thickness
0,15 mm
6 mil

Diameter
16 mm

Ideal for single-season crops on highly draining soils

AQUATAPE®

Thickness
0,20 mm
8 mil

Diameter
16/22 mm

Reinforced single-season drip tape for mechanized installation

PACKAGING PALLET HEIGHT: 13 cm

Diameter	Thickness	Reel size	Pallet size	Reels per pallet	Reels per container			
mm	mil	cm	cm	pz.	20 ft	40 ft	40 ft HC	Truck
16	5	ø 57,5 h 22,5	115 x 115 x 126 115 x 115 x 216 115 x 115 x 251	20 32+4 20+20	360 (32+4)	720 (32+4)	800 (20+20)	880 (20+20)
	6	ø 57,5 h 19,0	115 x 115 x 108 115 x 115 x 127 115 x 115 x 216 115 x 115 x 254	20 24 20+20 24+24	400 (20+20)	800 (20+20)	960 (24+24)	1056 (24+24)
	8							
	10							
22	7	ø 57,5 h 22,5	115 x 115 x 126 115 x 115 x 216 115 x 115 x 251	20 32+4 20+20	360 (32+4)	720 (32+4)	800 (20+20)	880 (20+20)
	8	ø 57,5 h 19,0	115 x 115 x 108 115 x 115 x 127 115 x 115 x 216 115 x 115 x 254	20 24 20+20 24+24	400 (20+20)	800 (20+20)	960 (24+24)	1056 (24+24)
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	12							
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	12							

FITTINGS FOR DRIP TAPE WITH NUT 16 and 22 mm



COUPLING



OFFTAKE WITH RUBBER



90° ELBOW



ENDCAP



TEE

The images and data shown are not binding and may be changed by the Management without prior notice.

■ **16 mm** RECOMMENDED LATERAL LENGTH (m) RELATED TO EMISSION UNIFORMITY (EU%) ON FLAT GROUND Working pressure 1,0 Bar

Nominal Flow Rate l/h	Emission Uniformity %	Spacing cm			
		10	15	20	30
0,30	85	-	-	392	-
	90	-	-	690	-
0,60	85	165	198	230	300
	90	130	155	180	240
0,90	85	125	153	180	240
	90	100	123	145	190

Nominal Flow Rate l/h	Emission Uniformity %	Spacing cm			
		10	15	20	30
1,20	85	95	118	140	195
	90	75	93	110	155
1,50	85	71	90	116	150
	90	52	75	93	121
2,00	85	70	87	105	130
	90	58	72	85	110

■ **22 mm** RECOMMENDED LATERAL LENGTH (m) RELATED TO EMISSION UNIFORMITY (EU%) ON FLAT GROUND Working pressure 1,0 Bar

Nominal Flow Rate l/h	Emission Uniformity %	Spacing cm			
		10	15	20	30
0,30	85	-	-	315	-
	90	-	-	560	-
0,60	85	240	363	390	510
	90	215	289	310	405
0,90	85	200	255	310	395
	90	160	206	250	315

Nominal Flow Rate l/h	Emission Uniformity %	Spacing cm			
		10	15	20	30
1,20	85	170	221	265	340
	90	135	179	210	270
1,50	85	148	174	203	263
	90	120	143	164	212
2,00	85	130	160	185	230
	90	110	155	160	205

■ **29 mm** RECOMMENDED LATERAL LENGTH (m) RELATED TO EMISSION UNIFORMITY (EU%) ON FLAT GROUND Working pressure 1,0 Bar

Nominal Flow Rate l/h	Emission Uniformity %	Spacing cm			
		10	15	20	30
0,60	85	510	543	576	746
	90	422	440	465	601
0,90	85	420	450	482	624
	90	340	363	385	499
1,20	85	333	350	383	490
	90	271	290	309	400

Nominal Flow Rate l/h	Emission Uniformity %	Spacing cm			
		10	15	20	30
1,50	85	250	283	311	402
	90	210	230	251	325
2,00	85	190	218	245	310
	90	205	215	225	290

