



PLASTIC-PUGLIA
Irrigation Systems since 1967 

value for
water



Aquadrop® MEGA

DRIP TAPE WITH LONG FLAT DRIPPER

■ APPLICATIONS

• Field crops • Greenhouse crops • Horticulture • Floriculture

■ ADVANTAGES

Tape made from black polyethylene with a blue stripe to indicate the correct upward placement on the soil

Outlet hole made with precision laser technology

Surface or slightly buried installation

Reduced pressure losses and uniform delivery over long distances

High resistance to clogging, UV rays, fertilizers and chemicals used in agriculture

Warranty up to 2 years depending on wall thickness

Product certified by IIP according to **UNI EN ISO 9261:2010** standard

■ TECHNICAL CHARACTERISTICS

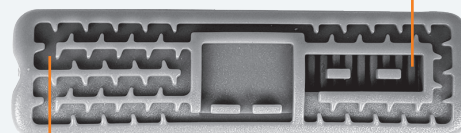
Nominal diameter: 16/22/29 mm (ø 25 mm upon request)

Wall thickness: 8/10/12/15/18 mil (0,20/0,25/0,30/0,38/0,45 mm)

Available nominal flow rates (1,0 bar): 0,8/1,10/1,30/1,45/1,60/2,10/3,80 l/h

Spacing: 15÷100 cm

Inlet filters
protect the labyrinth



Wide labyrinth with self-cleaning
turbulent flow resistant to clogging



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
8 mil (0,20 mm)	1,00 bar	1,20 bar	2500 m	26,2 kg
10 mil (0,25 mm)	1,20 bar	1,40 bar	2200 m	27,5 kg
12 mil (0,30 mm)	1,40 bar	1,60 bar	1700 m	25,6 kg
15 mil (0,38 mm)	1,60 bar	1,80 bar	1200 m	23,5 kg
18 mil (0,45 mm)	1,80 bar	2,00 bar	1000 m	23,2 kg

° Spacing 15 cm: 8 mil= 2200 m / 10 mil= 2000 m / 12 mil= 1500 m

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
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	24,9 kg
12 mil (0,30 mm)	1,30 bar	1,50 bar	1200 m	24,0 kg
15 mil (0,38 mm)	1,50 bar	1,70 bar	900 m	23,5 kg
18 mil (0,45 mm)	1,70 bar	1,90 bar	800 m	24,9 kg

° Spacing 15 cm: 12 mil= 1000 m / 10 mil= 2000 m / 8 mil= 2200 m

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	26,2 kg
12 mil (0,30 mm)	1,10 bar	1,30 bar	1000 m	26,5 kg

PRESSURE-FLOW RATE RELATION TESTS CARRIED OUT ON 10 MIL THICKNESS WITH WATER AT 20°C

Nominal flow rate l/h	Pressure bar								
	0,60	0,70	0,80	0,90	1,00	1,20	1,40	1,60	1,80
0,80	0,60	0,65	0,70	0,75	0,80	0,90	0,95	1,05	1,13
1,10	0,70	0,80	0,90	1,00	1,15	1,25	1,35	1,45	1,51
1,30	0,90	1,00	1,10	1,20	1,35	1,50	1,70	1,75	1,90
1,45	1,00	1,12	1,25	1,35	1,47	1,68	1,90	1,96	2,10
1,60	1,10	1,25	1,40	1,50	1,60	1,85	2,05	2,14	2,25
2,10	1,55	1,75	1,90	2,00	2,15	2,35	2,55	2,75	2,84
3,80	2,65	2,95	3,25	3,55	3,85	4,15	4,45	4,75	5,32

DRIPPER FEATURES

Nominal flow rate l/h	Labyrinth dimensions		Inlet filtering area		Recommended filtration mesh / micron	Flow equation		CV %
	Depth mm	Width mm	no. of holes	area mm ²		k	x	
0,80	0,52	0,49	8	24,0	150 / 100	0,26	0,49	<2,5
1,10	0,65	0,65	8	24,0	150 / 100	0,37	0,49	<2,5
1,30	0,65	0,70	8	24,0	120 / 130	0,44	0,48	<2,5
1,45	0,70	0,70	8	24,0	120 / 130	0,48	0,49	<2,5
1,60	0,75	0,75	8	24,0	120 / 130	0,57	0,50	<2,5
2,10	0,80	0,80	8	24,0	120 / 130	0,68	0,50	<2,5
3,80	1,00	1,00	8	24,0	120 / 130	1,25	0,48	<2,5

Aquadrop®
MEGA

Thickness
0,20 mm
8 mil

Diameter
16/22 mm

The best choice for single-season crops on light soils or in greenhouses

Aquadrop®
MEGA

Thickness
0,25 mm
10 mil

Diameter
16/22/29 mm

Reinforced single-season version suitable for mechanized installation

Aquadrop®
MEGA

Thickness
0,30 mm
12 mil

Diameter
16/22/29 mm

The ideal solution for rocky soils or rough terrain. Highly resistant to tensile stress

■ **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	8	ø 57,5 h 22,5	115 x 115 x 126	20	360 (32+4)	720 (32+4)	800 (20+20)	880 (20+20)
	10		115 x 115 x 216	32+4				
			115 x 115 x 251	20+20				
	12	ø 57,5 h 27,0	115 x 115 x 148	20	320 (28+4)	640 (28+4)	720 (32+4)	792 (32+4)
	15		115 x 115 x 229	28+4				
	18		115 x 115 x 256	32+4				
22	8	ø 57,5 h 22,5	115 x 115 x 126	20	360 (32+4)	720 (32+4)	800 (20+20)	880 (20+20)
	10		115 x 115 x 216	32+4				
			115 x 115 x 251	20+20				
	12	ø 57,5 h 27,0	115 x 115 x 148	20	320 (28+4)	640 (28+4)	720 (32+4)	792 (32+4)
	15		115 x 115 x 229	28+4				
	18		115 x 115 x 256	32+4				
29	10	ø 57,5 h 22,5	115 x 115 x 126	20	360 (32+4)	720 (32+4)	800 (20+20)	880 (20+20)
			115 x 115 x 216	32+4				
			115 x 115 x 251	20+20				
	12	ø 57,5 h 27,0	115 x 115 x 148	20	320 (28+4)	640 (28+4)	720 (32+4)	792 (32+4)
			115 x 115 x 229	28+4				
			115 x 115 x 256	32+4				

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				
		20	30	40	50	60
0,80	85	204	272	330	380	430
	90	140	185	215	255	295
1,10	85	165	210	255	292	330
	90	120	155	186	215	240
1,30	85	138	182	221	255	289
	90	110	145	177	205	230
1,45	85	122	159	190	220	248
	90	95	125	153	175	196

Nominal Flow Rate l/h	Emission Uniformity %	Spacing cm				
		20	30	40	50	60
1,60	85	129	169	203	234	259
	90	85	115	138	170	191
2,10	85	103	132	157	180	204
	90	71	97	122	141	160
3,80	85	67	89	110	127	145
	90	47	64	79	94	106

■ 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				
		20	30	40	50	60
0,80	85	355	470	575	665	760
	90	260	335	398	465	523
1,10	85	280	375	455	515	572
	90	195	254	308	352	395
1,30	85	240	318	385	448	495
	90	192	252	307	360	405
1,45	85	210	278	337	391	438
	90	168	220	267	310	348

Nominal Flow Rate l/h	Emission Uniformity %	Spacing cm				
		20	30	40	50	60
1,60	85	200	262	317	369	410
	90	155	198	235	270	300
2,10	85	172	228	276	318	358
	90	128	170	208	242	275
3,80	85	98	135	170	198	225
	90	90	120	145	170	190

■ 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				
		20	30	40	50	60
0,80	85	432	580	702	795	885
	90	321	435	525	596	660
1,10	85	345	463	567	665	755
	90	276	372	455	525	598
1,30	85	325	435	535	626	705
	90	258	345	424	496	559
1,45	85	296	395	485	566	638
	90	234	313	385	448	506

Nominal Flow Rate l/h	Emission Uniformity %	Spacing cm				
		20	30	40	50	60
1,60	85	266	355	435	505	570
	90	211	282	345	400	452
2,10	85	215	285	345	405	460
	90	170	226	275	321	365
3,80	85	160	211	258	300	340
	90	127	167	205	235	270

