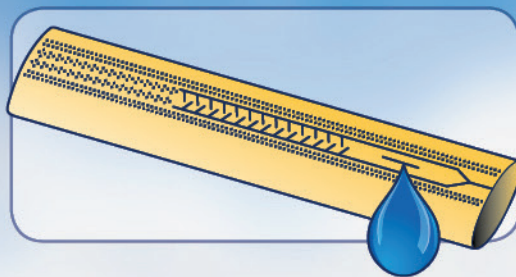


AQUATAPE

DRIP TAPE


MADE IN ITALY



PLASTIC-PUGLIA
Irrigation Systems ITALY

since 1967

MICROIRRIGATION SYSTEM
IDEAL FOR VEGETABLES AND FLOWERS
IN GREENHOUSES OR OPEN FIELDS

COLLECTION OF SAMPLES

AQUATAPE®

AQUATAPE® is a drip tape with a double external continuous filtration system that ensures excellent performance when the water contains high quantity of solid particles.

AQUATAPE® is suitable for irrigation in the open field or in the greenhouse for a wide variety of crops, vegetables and flowers – such as watermelons, melons, strawberries, zucchini, peppers, eggplants, potatoes, cucumbers, onions, gerbera, roses, carnations, etc. Short distance spacing is ideal for sandy draining grounds.

TECHNICAL FEATURES

Nominal diameter	16 - 22 - 29 mm					
Internal diameter	16,1 - 22,0 - 29,0 mm					
Wall thickness	5 mil 0,125 mm	6 mil 0,15 mm	7 mil 0,18 mm	8 mil 0,20 mm	10 mil 0,25 mm	12 mil 0,30 mm
Max working pressure D/16 mm	0,70 bar	0,80 bar	0,90 bar	1,00 bar	1,20 bar	1,40 bar
Max working pressure D/22 mm	-	-	0,80 bar	0,90 bar	1,10 bar	1,30 bar
Max working pressure D/29 mm	-	-	-	0,80 bar	0,90 bar	1,10 bar
Nominal flow rate (0,7 bar)	0,60 - 0,90 - 1,20 - 1,50 - 2,00 l/h					
Spacing	5 - 10 - 15 - 20 - 30 cm					
Reel length D/16 mm	3900 m	3000 m	2700 m	2286 m	1800 m	1500 m
Reel length D/22 mm	-	-	2100 m	1800 m	1300 m	1200 m
Reel length D/29 mm	-	-	-	1400 m	1200 m	1000 m
Recommended filtration	150 mesh - 100 micron / 120 mesh - 125 micron					

FLOW-RATE PRESSURE RELATION

Pressure bar	Nominal flow rate l/h				
	0,60	0,90	1,20	1,50	2,00
0,40	0,40	0,60	0,85	1,10	1,60
0,50	0,45	0,70	1,00	1,30	1,80
0,60	0,50	0,80	1,10	1,40	1,90
0,70	0,60	0,90	1,20	1,50	2,00
0,80	0,65	1,00	1,30	1,60	2,10
0,90	0,70	1,05	1,40	1,70	2,20
1,00	0,75	1,10	1,50	1,80	2,30
1,10	0,80	1,15	1,60	1,90	2,40
1,20	0,85	1,20	1,70	2,00	2,50

FEATURES

- Double external and continuous filtering system
- Internal filters prevent particles from entering into the labyrinth
- Subsurface or surface drip irrigation
- Easy installation and low maintenance cost
- Excellent emission uniformity over long distances
- High endurance to clogging
- Linear water outlet to prevent root intrusion and allow anti-reflux action
- Blue stripe to indicate correct laying up on the ground
- Resistance to UV rays
- Warranty: 1 to 3 years depending on the thickness





LABYRINTH FEATURES

Nominal flow rate	Labyrinth size		Flow equation		CV	Filtration	Tape Colour
	l/h	depth mm	width mm	k			
0,60	0,55	0,70	0,25	0,45	< 2,0	150	Purple
0,90	0,60	0,72	0,37	0,45	< 2,0	150	Purple
1,20	0,65	0,74	0,50	0,45	< 2,0	150	Purple
1,50	0,70	0,76	0,62	0,45	< 2,0	120	Purple
2,00	0,84	0,80	0,83	0,45	< 2,0	120	Purple

FILTRATION FEATURES*

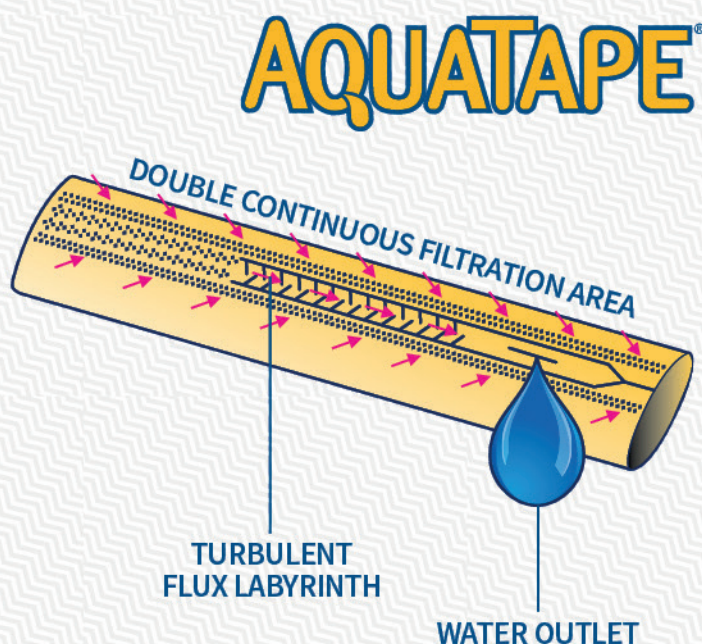
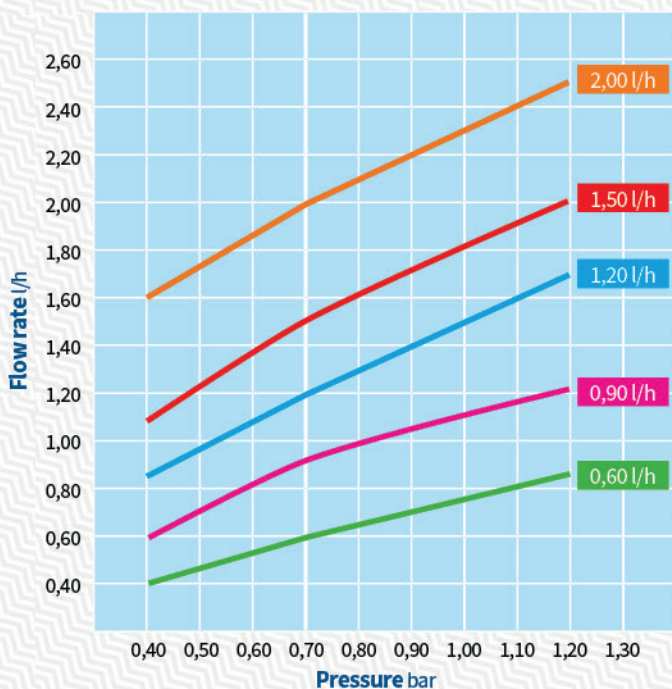
Spacing	Inlet filter		Continuous filter per meter	
	cm	number holes	Area mm ²	number holes
10	60	25,2	1960	825
15	112	47,0	1960	825
20	150	63,0	1960	825
30	308	130,0	1960	825

* data referred to flow rate 1,5l/h

PACKAGING

Nominal diameter	Thickness	Reel size	Reel per pallet	Pallet size	Reel per container							
					20 ft	40 ft	40 ft HC	Truck				
16	5	Ø 57,5 h 22,5	20	116 x 116 x 127 116 x 116 x 231	360	720	800	880				
	7		36									
	6	Ø 57,5 h 19,0	20	116 x 116 x 109 116 x 116 x 128					400	800	960	1.056
	8		24									
	10		24									
12	24											
22	7	Ø 57,5 h 22,5	20 36	116 x 116 x 127 116 x 116 x 231	360	720	800	880				
	8	Ø 57,5 h 19,0	20	116 x 116 x 109 116 x 116 x 128					400	800	960	1.056
	10		24									
	12		24									
29	8	Ø 57,5 h 19,0	20	116 x 116 x 109 116 x 116 x 128	400	800	960	1.056				
	10		24									
	12		24									

PRESSURE FLOW RATE RELATION



RECOMMENDED LATERAL LENGTH RELATED TO EMISSION UNIFORMITY (m)

Diameter 16 mm	Spacing cm	Slope					
		-1%		0%		1%	
		EU	85%	90%	85%	90%	85%
0,60 l/h	5	-	-	-	-	-	-
	10	195	170	165	130	200	105
	15	240	195	198	155	150	120
	20	260	220	230	180	182	145
	30	340	295	300	240	215	165
0,90 l/h	5	110	90	98	78	80	68
	10	134	112	125	100	110	89
	15	170	140	153	123	133	106
	20	210	175	180	145	155	123
	30	270	220	240	190	184	144
1,20 l/h	5	-	-	-	-	-	-
	10	110	90	95	75	90	70
	15	150	125	118	93	115	90
	20	175	145	140	110	135	105
	30	230	190	195	155	165	130
1,50 l/h	5	-	-	-	-	-	-
	10	80	65	71	52	50	40
	15	100	85	90	75	70	55
	20	125	100	116	93	90	70
	30	165	130	150	121	105	75
2,00 l/h	5	-	-	-	-	-	-
	10	75	65	70	58	45	36
	15	95	80	87	72	65	48
	20	110	90	105	85	80	60
	30	145	125	130	110	90	70

Work pressure 0,70 bar





RECOMMENDED LATERAL LENGTH RELATED TO EMISSION UNIFORMITY (m)

Diameter 22 mm	Spacing cm	Slope					
		-1%		0%		1%	
		EU	85%	90%	85%	90%	85%
0,60 l/h	5	-	-	-	-	-	-
	10	300	315	240	215	120	115
	15	420	390	363	289	230	190
	20	450	410	390	310	260	195
	30	580	550	510	405	290	215
0,90 l/h	5	200	180	172	140	140	120
	10	235	200	200	160	170	135
	15	295	255	255	206	200	155
	20	365	320	310	250	225	175
	30	470	425	395	315	260	195
1,20 l/h	5	-	-	-	-	-	-
	10	195	160	170	135	145	115
	15	260	220	221	179	185	145
	20	305	265	265	210	205	165
	30	390	350	340	270	235	185
1,50 l/h	5	-	-	-	-	-	-
	10	160	135	148	120	120	80
	15	185	170	174	143	130	95
	20	235	195	203	164	145	115
	30	313	245	263	212	175	135
2,00 l/h	5	-	-	-	-	-	-
	10	142	130	130	110	100	70
	15	170	165	160	155	120	90
	20	206	175	185	160	153	115
	30	265	220	230	205	165	130

Work pressure 0,70 bar



RECOMMENDED LATERAL LENGTH RELATED TO EMISSION UNIFORMITY (m)

Diameter 29 mm	Spacing cm	Slope					
		-1%		0%		1%	
		EU	85%	90%	85%	90%	85%
0,60 l/h	5	-	-	-	-	-	-
	10	530	460	510	422	270	220
	15	580	480	543	440	320	250
	20	600	500	576	465	360	270
	30	800	640	746	601	450	400
0,90 l/h	5	410	350	399	305	220	170
	10	450	380	420	340	255	200
	15	480	400	450	363	295	230
	20	500	430	482	385	340	250
	30	650	580	624	499	400	350
1,20 l/h	5	-	-	-	-	-	-
	10	400	320	333	271	235	180
	15	430	330	350	290	270	190
	20	450	350	383	309	300	220
	30	580	470	490	400	345	280
1,50 l/h	5	-	-	-	-	-	-
	10	290	265	250	210	185	155
	15	340	280	283	230	215	160
	20	385	305	311	251	245	165
	30	500	370	402	325	255	200
2,00 l/h	5	-	-	-	-	-	-
	10	270	220	190	205	170	150
	15	300	240	218	215	200	155
	20	330	260	245	225	230	160
	30	436	335	310	290	280	195

Work pressure 0,70 bar





FITTINGS AND VALVES

MICROIRRIGATION SYSTEMS

Aquadrop®

THINWALL DRIP LINE

AQUATAPE®

DRIP TAPE

GOLD-DRIP®

HEAVYWALL DRIP LINE

AquaPress®

PC HEAVYWALL/THINWALL DRIP LINE



PLASTIC-PUGLIA
Irrigation Systems ITALY

since 1967



Viale Aldo Moro 31
70043 Monopoli (BA) - Italy
Tel. +39 080 802122
E-Mail: info@plasticpuglia.it

