



Aquadrop® PLUS

DRIPLINE WITH FLAT LONG DRIPPER

■ APPLICATIONS

- Vineyards • Olive groves • Tree and fruit crops • Hedges
- Open field and greenhouse cultivation • Flower beds • Gardens

■ ADVANTAGES

Dripline made of black polyethylene with a blue stripe indicating the correct upward-facing position during installation

Outlet holes made with precision laser technology

Suitable for surface or shallow subsurface installation

Low pressure loss and uniform water distribution over long distances

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

Warranty from 3 to 5 years, depending on wall thickness

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

■ TECHNICAL CHARACTERISTICS

Nominal Diameter: 16/20/22 mm

Thickness: 24/36/45 mil (0,60/0,90/1,10 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÷150 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 TECHNICAL FEATURES

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

Internal diameter	Thickness	Max working pressure	Max washing pressure*	Coil length	Average coil weight
16,1 mm	24 mil (0,60 mm)	2,00 bar	2,20 bar	900 m	27,35 kg
14,2 mm	36 mil (0,90 mm)	3,00 bar	3,50 bar	500 m	20,95 kg
13,8 mm	45 mil (1,10 mm)	3,50 bar	4,00 bar	400 m	20,25 kg

DIAMETER 20 mm TECHNICAL FEATURES

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

Internal diameter	Thickness	Max working pressure	Max washing pressure*	Coil length	Average coil weight
18,2 mm	36 mil (0,90 mm)	2,50 bar	3,00 bar	400 m	21,05 kg
17,8 mm	45 mil (1,10 mm)	3,00 bar	3,50 bar	300 m	19,20 kg

DIAMETER 22 mm TECHNICAL FEATURES

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

Internal diameter	Thickness	Max working pressure	Max washing pressure*	Coil length	Average coil weight
22,0 mm	24 mil (0,60 mm)	1,90 bar	2,10 bar	600 m	24,55 kg

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

Nominal flow rate l/h	Pressure bar										
	0,50	0,60	0,70	0,80	0,90	1,00	1,20	1,40	1,60	1,80	2,00
0,80	0,54	0,61	0,65	0,71	0,76	0,79	0,90	0,98	1,05	1,12	1,18
1,10	0,75	0,83	0,90	0,96	1,04	1,09	1,21	1,31	1,41	1,49	1,59
1,30	0,88	0,98	1,06	1,14	1,22	1,29	1,41	1,51	1,63	1,73	1,83
1,45	1,02	1,12	1,22	1,30	1,37	1,44	1,58	1,70	1,82	1,94	2,05
1,60	1,20	1,29	1,38	1,46	1,54	1,60	1,75	1,88	2,00	2,12	2,24
2,10	1,48	1,61	1,73	1,85	1,99	2,08	2,29	2,47	2,63	2,81	2,97
3,80	2,62	2,99	3,07	3,27	3,51	3,71	4,14	4,65	4,97	5,27	5,44

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	150 / 100	0,26	0,49	<2,5
1,10	0,62	0,58	8	24	150 / 100	0,37	0,50	<2,5
1,30	0,72	0,70	8	24	120 / 130	0,44	0,50	<2,5
1,45	0,74	0,70	8	24	120 / 130	0,48	0,50	<2,5
1,60	0,76	0,70	8	24	120 / 130	0,53	0,50	<2,5
2,10	0,85	0,80	8	24	120 / 130	0,68	0,50	<2,5
3,80	0,95	0,85	8	24	120 / 130	1,20	0,50	<2,5

Aquadrop®
PLUS

Thickness
0,90 mm
36 mil

Diameter
16 mm

Ideal for long-lasting irrigation systems

Aquadrop®
PLUS

Thickness
1,10 mm
45 mil

Diameter
16/20 mm

Perfect for surface or shallow subsurface 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	24	ø 57,5 h 27,0	115 x 115 x 148 115 x 115 x 229 115 x 115 x 256	20 28+4 32+4	320 (28+4)	640 (28+4)	720 (28+4)	792 (32+4)
	36							
	45							
20	36	ø 57,5 h 27,0	115 x 115 x 148 115 x 115 x 229 115 x 115 x 256	20 28+4 32+4	320 (28+4)	640 (28+4)	720 (28+4)	792 (32+4)
	45							
22	24	ø 57,5 h 27,0	115 x 115 x 148 115 x 115 x 229 115 x 115 x 256	20 28+4 32+4	320 (28+4)	640 (28+4)	720 (28+4)	792 (32+4)

FITTINGS FOR DRIPLINE WITH NUT 16 and 20 mm



FITTINGS FOR DRIPLINE BARBED WITH RING 16 and 20 mm



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	40	60	80	100
0,80	85	170	261	337	390	456
	90	137	211	271	313	366
1,10	85	138	214	277	320	374
	90	112	176	226	261	306
1,30	85	121	189	244	283	330
	90	98	153	198	230	268

Nominal Flow Rate l/h	Emission Uniformity %	Spacing cm				
		20	40	60	80	100
1,60	85	100	157	200	231	270
	90	81	104	163	188	219
2,10	85	79	121	157	182	212
	90	62	97	125	145	169
3,80	85	60	94	123	142	166
	90	48	76	99	114	133

■ **20 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	40	60	80	100
0,80	85	232	356	462	533	625
	90	187	285	332	383	449
1,10	85	195	302	390	450	528
	90	158	266	316	364	426
1,30	85	162	250	322	371	435
	90	130	355	261	301	353

Nominal Flow Rate l/h	Emission Uniformity %	Spacing cm				
		20	40	60	80	100
1,60	85	131	204	263	303	355
	90	106	154	213	245	287
2,10	85	112	191	224	258	302
	90	89	139	179	206	241
3,80	85	84	131	169	195	228
	90	67	105	137	158	185

■ **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	40	60	80	100
0,80	85	292	449	582	671	787
	90	236	364	396	457	536
1,10	85	251	394	508	586	687
	90	203	320	411	474	555
1,30	85	202	314	403	465	545
	90	164	254	326	376	441

Nominal Flow Rate l/h	Emission Uniformity %	Spacing cm				
		20	40	60	80	100
1,60	85	163	254	328	378	443
	90	132	205	266	306	358
2,10	85	145	225	290	334	392
	90	116	181	232	268	314
3,80	85	108	167	216	249	292
	90	86	135	174	201	236

