



PLASTIC-PUGLIA
Irrigation Systems since 1967 

value for
water

GOLD-DRIP® PC

PRESSURE COMPENSATING DRIPLINE WITH CYLINDRICAL DRIPPER

■ **APPLICAZIONI**

- Vineyards • Orchards • Horticulture • Olive groves • Arboriculture
- Floriculture • Hedges • Flowerbeds • Ornamental gardens

■ **ADVANTAGES**

Pressure Compensating (PC) system with a silicone membrane maintains flow rate as operating pressure varies (1.00 ÷ 3.50 bar)

Available with constant or staggered dripper spacing

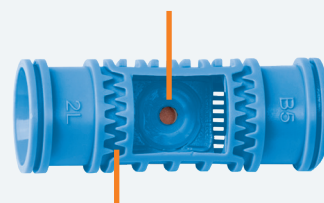
Low manufacturing variation coefficient (CV)

High resistance to UV rays, chemicals, and acids used in agriculture

Uniform emission along the entire dripline length
on flat and sloped terrain

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

The silicone membrane keeps the flow rate constant as operating pressure varies



The wide labyrinth ensures excellent clogging resistance



■ **TECHNICAL CHARACTERISTICS**

Nominal diameter: 16/20 mm

Thickness: 45 mil (1,1 mm)

Available nominal flow rates: (1,0 bar): 1,50/2,00/4,00 l/h

Spacing: 30-40-50-60-75-100 cm



BLUE STRIPE REGISTERED TRADEMARK

CERTIFIED PRODUCT
 
UNI EN ISO 9261:2010

DIAMETER 16 mm (ø int. 13,8 mm) TECHNICAL FEATURES

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

Thickness	Min working pressure	Max working pressure	Max washing pressure	Coil length	Average coil weight
45 mil (1,10 mm)	1,00 bar	3,50 bar	4,00 bar	400 m	21,6 kg

16 mm PRESSURE-FLOW RATE RELATION TESTS CARRIED WITH WATER AT 20°C

Nominal flow rate l/h	Pressure bar					
	0,50	1,00	1,50	2,00	2,50	3,00
1,50	1,50	1,55	1,60	1,65	1,65	1,60
2,00	1,95	2,20	2,25	2,30	2,30	2,25
4,00	3,60	4,10	4,20	4,25	4,30	4,25

DIAMETER 20 mm (ø int. 17,8 mm) TECHNICAL FEATURES

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

Thickness	Min working pressure	Max working pressure	Max washing pressure	Coil length	Average coil weight
45 mil (1,10 mm)	1,00 bar	3,00 bar	3,50 bar	300 m	20,8 kg

20 mm PRESSURE-FLOW RATE RELATION TESTS CARRIED WITH WATER AT 20°C

Nominal flow rate l/h	Pressure bar					
	0,50	1,00	1,50	2,00	2,50	3,00
2,00	2,10	2,30	2,20	2,20	2,10	2,00
4,00	4,00	4,20	4,10	4,15	4,05	4,00

DRIPPER FEATURES

Nominal flow rate l/h	Labyrinth dimensions		Inlet filtering area		Recommended filtration	Flow equation		CV	CV
	Depth mm	Width mm	no. of holes	area mm ²	mesh / micron	k	x	%	%
16	1,50	1,00	0,80	12	3,6	150/100	1,51	0,02	<4,0
	2,00	1,10	0,80	12	3,6	120/130	2,06	0,02	<4,0
	4,00	1,30	1,10	12	3,6	120/130	3,65	0,02	<4,0
20	2,00	1,25	0,80	12	3,6	120/130	2,10	0,02	<4,0
	4,00	1,30	1,30	12	3,6	120/130	3,55	0,03	<4,0

PACKAGING

Diameter	Thickness	Coil size	Coil per container			
mm	mil	cm	20 ft	40 ft	40 ft HC	Truck
16	45	ø 80,5 h 27,5	168	344	387	441
20	45	ø 87,0 h 34,0	124	257	304	339

GOLD-DRIP® PC

Thickness
1,10 mm
45 mil

Diameter
16 mm

Ideal for irrigation systems on terrains with significant elevation changes

GOLD-DRIP® PC

Thickness
1,10 mm
45 mil

Diameter
20 mm

Ideal for subsurface irrigation systems and pulse irrigation

FITTINGS FOR DRIPLINE WITH NUT 16 and 20 mm



COUPLING



OFFTAKE
WITH RUBBER



OFFTAKE
WITH RUBBER D2/D3



MALE THREADED
ADAPTOR



MALE THREADED
TEE

FITTINGS FOR DRIPLINE BARBED WITH RING 16 and 20 mm



COUPLING



OFFTAKE
WITH RUBBER



MALE FITTING



90° ELBOW



END CAP

VALVES FOR DRIPLINE WITH NUT 16 and 20 mm



VALVE OFFTAKE
WITH RUBBER



VALVE OFFTAKE WITH
RUBBER D2/D2 WITH NUT



VALVE OFFTAKE
WITH RUBBER AND NUT



THREADED MALE
VALVE



RUBBER
D2 AND D3

■ 16 mm RECOMMENDED LATERAL LENGTH (m) RELATED TO EMISSION UNIFORMITY (EU%) ON FLAT GROUND

Nominal Flow Rate l/h	Pressure bar	Spacing cm					
		30	40	50	60	75	100
1,50	1,0	95	120	145	169	218	262
	2,0	115	148	179	209	270	324
	3,0	136	176	214	248	321	388
	4,0	156	202	246	286	368	445
2,00	1,0	69	88	105	123	154	184
	2,0	84	108	130	152	191	228
	3,0	103	132	160	187	235	280
	4,0	118	151	183	214	268	319
4,00	1,0	50	63	77	90	112	134
	2,0	61	78	95	111	139	166
	3,0	75	96	117	137	171	204
	4,0	85	110	132	154	195	232

■ 20 mm RECOMMENDED LATERAL LENGTH (m) RELATED TO EMISSION UNIFORMITY (EU%) ON FLAT GROUND

Nominal Flow Rate l/h	Pressure bar	Spacing cm					
		30	40	50	60	75	100
2,00	1,0	122	154	185	209	259	305
	2,0	153	193	230	263	326	384
	3,0	188	237	282	324	402	472
	4,0	214	269	321	370	458	539
4,00	1,0	81	102	123	140	173	203
	2,0	102	128	153	175	218	256
	3,0	125	158	188	216	268	315
	4,0	143	180	215	248	305	359

