



PLASTIC-PUGLIA
Irrigation Systems since 1967 

value for
water

GOLD-DRIP® AS-ND



PRESSURE COMPENSATING (PC) DRIPLINE WITH CYLINDRICAL AS-ND DRIPPER

■ APPLICATIONS

- 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)

Anti-Siphon (AS) system in subsurface irrigation prevents soil aspiration into the dripper when the system stops

Non-Drain (ND) system prevents dripline emptying by closing the dripper below 0.20 bar. Allows for pulse irrigation thanks to the simultaneous opening of all emitters at a pressure of 0.70 bar

Available with constant or staggered dripper spacing

5-year warranty depending on thickness

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

■ TECHNICAL CHARACTERISTICS

Nominal diameter: 16 mm

Wall Thickness: 36 mil (0,90 mm) / 45 mil (1,1 mm)

Available Nominal Flow Rates: (1,0 bar): 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 TECHNICAL FEATURES

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

Internal diameter	Thickness	Min working pressure	Max working pressure	Opening and closing pressure	Max washing pressure	Coil length	Average coil weight
14,2 mm	36 mil (0,90 mm)	1,00 bar	3,00 bar	0,30 / 0,20 bar	3,50 bar	400 m	17,8 kg
13,8 mm	45 mil (1,10 mm)	1,00 bar	3,50 bar	0,30 / 0,20 bar	4,00 bar	400 m	21,1 kg

16 mm 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	1,00	1,50	2,00	2,50	3,00
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

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	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

PACKAGING

Diameter	Thickness	Coil size	Coil per container			
mm	mil	cm	20 ft	40 ft	40 ft HC	Truck
16	36/45	ø 80,5 h 27,5	168	344	387	441

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
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

GOLD-DRIP® AS-ND

Thickness
0,90 mm
36 mil

Diameter
16 mm

Version with pressure-compensating drippers for terrains with significant elevation changes

GOLD-DRIP® AS-ND

Thickness
1,10 mm
45 mil

Diameter
16 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/D3 WITH NUT



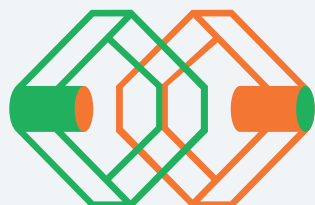
VALVE OFFTAKE
WITH RUBBER AND NUT



THREADED MALE
VALVE



RUBBER
D2 AND D3



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