

On our website

- A wide range of products and solutions for professional irrigation
- Services
- Do-it-yourself tips and tricks
- Simple and complete information for professionals, dealers, private owners



Duplex double perforation

Integral multi seasonal dripperline

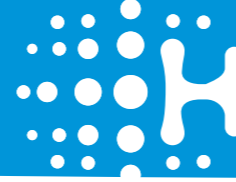
PRODUCT SHEET | **2016.04**

Hydro Tech s.r.l.
Strada Masicugno snc
96019 Rosolini (SR) • ITALIA

Tel. (+39) 0931 502005
Fax (+39) 0931 502424
info.it@hydrotech-com.net

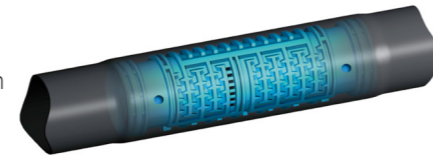
Hydro Tech Ltd Shop
Contrada Arizza
97018 Scicli (RG) • ITALIA

Tel. (+39) 0932 851900
Fax (+39) 0932 851900
scicli@hydrotech-com.net



DUPLEX double dripper perforation Integral dripperline - multi seasonal irrigation

Suitable for vegetable crops and flower growings, both in greenhouses or open field, orchards on flat terrain with restrained slopes.



Technical features:

- The dripper's design provokes a turbulent flow (self-cleaning) avoiding the sedimentation of debris or solids inside it.
- The dripper has a large inlet filter reducing clogging risk even when using low quality water.
- The drippers outlets allow a quick and easy installation of dripperline with no need to check their position and ensure the total emptying of the irrigation system after each schedule.
- Recommended filtration 120 mesh for all spacings and flow rates.

Pressure (bars) / flow rate (lph) relation

Model	Recommended filtration	1,0 bar	1,5 bar	2,0 bar	2,5 bar	3,0 bar	
Ø 16	1,50	155 Mesh	1,49	1,90	2,20	2,50	2,80
	2,10	120 Mesh	2,10	2,60	3,00	3,40	3,70
	4,00	100 Mesh	4,05	4,90	5,70	6,30	6,90
	8,00	100 Mesh	7,93	10,00	11,70	13,10	14,50
Ø 20	1,70	155 Mesh	1,78	2,20	2,50	2,80	3,10
	2,20	120 Mesh	2,26	2,90	3,30	3,70	4,00
	3,80	100 Mesh	3,37	4,30	5,00	5,50	5,90
	8,00	100 Mesh	7,10	9,00	10,40	11,60	12,70
	16,00	100 Mesh	14,50	17,10	19,50	21,60	23,60

Maximum lateral length in meters of DUPLEX Ø 16 - uniformity of water distribution 90% - slope 0°

		Working pressure 1,0 bar								
Ø mm	Flow rate l/h	Distance between drippers cm								
		20	30	40	50	60	75	100	125	150
16	1,5	65	91	113	134	153	180	221	259	292
	2,1	54	75	94	111	127	149	183	216	244
	4,0	37	51	64	75	86	101	124	144	164
	8,0	24	33	41	48	55	65	80	93	106

Dripperline technical data - DUPLEX

Outside Ø mm	Inside Ø mm	thickness		Max working pressure	Coil length	Average weight	Dimensions Ø/h	Coil Volume
		MIL	mm					
16,0	13,8	44	1,10	4,0 bars	400 m	20 Kg	80 X 30 cm	0,13 m ³
20,0	17,7	47	1,20	4,0 bars	300 m	20 Kg	80 X 30 cm	0,13 m ³

Maximum lateral length in meters of DUPLEX Ø 20 - uniformity of water distribution 90% - slope 0°

		Working pressure 1,0 bar								
Ø mm	Flow rate l/h	Distance between drippers cm								
		20	30	40	50	60	75	100	125	150
20	1,7	95	131	163	193	220	258	315	368	416
	2,2	81	111	139	164	187	219	268	316	357
	3,8	63	87	108	128	146	171	209	243	275
	8,0	41	56	70	82	94	110	134	155	176
	16,0	26	36	45	53	61	71	87	101	114

Available distance between drippers / flow rates

Ø mm	Drippers spacing cm												
	15	20	25	30	33	35	40	50	60	75	80	90	100
16	1,5 - 2,1 - 4,0 - 8,0 liters/hour												
20	1,7 - 2,2 - 3,8 - 8,0 - 16,0 liters/hour												