IDROP® - normal

TURBULENT FLOW DRIPPER

iDrop Normal is the dripper on line with turbulent flow suitable for orchards, vineyards and greenhouses and in all cases where precise flow rate is necessary.
The turbulent flow of the labyrinth makes it ideal to prevent clogging. In fact, thanks to the minimum possibility of clogging, very little maintenance is required.

Characteristics and advantages

- Flow rate is identified by the colour of the outlet base.
- Outlet suitable for connection of the multi-outlets manifold.
- Made of state-of-the-art technopolymers which guarantee a long life and increased resistance to all commonly used chemicals and fertilisers.
- It can be used on flat land or with continuous slopes.

Field of application

Tree and orchard crops | Crops protected underground | Crops protected overground | Nurseries | Hedges, trees and flowerbeds

It needs little maintenance!

iDrop Normal - Dripper characteristics

Actual flow rate	Colour	Inlet filter	Flow Equation		Recommended filtering	CV	Insertion hole
lph	-	Area mm²	x	k	mesh	%	mm
2,1		2	0,46	0,76	120	≤ 3	2,5-3,0
4,0		2	0,46	1,44	120	≤ 3	2,5-3,0
8,2		2	0,46	2,90	120	≤ 3	2,5-3,0

Available flow rates iDrop Normal

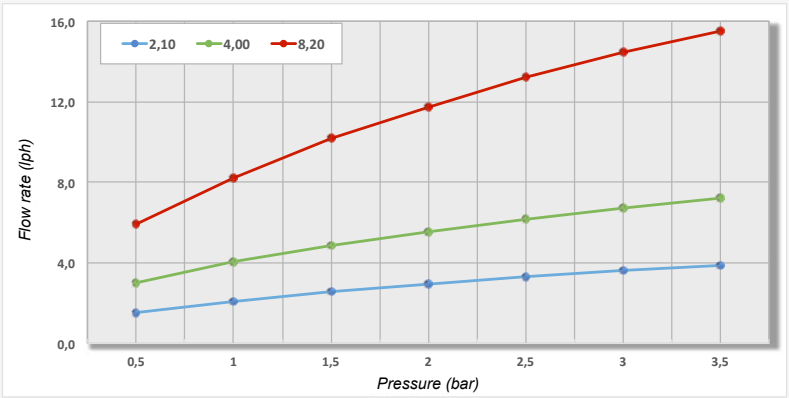
2,10 lph
LIGHT BLUE

4,00 lph
GREEN

8,20 lph
RED

iDrop Normal - Pressure - flow rate ratio

Flow rate	Pressure (bar)						
lph	0,5	1	1,5	2	2,5	3	3,5
2,1	1,53	2,09	2,58	2,95	3,30	3,60	3,89
4,0	3,00	4,03	4,85	5,56	6,17	6,74	7,22
8,2	5,90	8,20	10,19	11,76	13,20	14,47	15,52



iDrop Normal - Lengths of lines recommended in metres based on Emission Uniformity (E.U.%) with working precision of 1 bar

Tube D.E. 16 D.I. 14 mm									
Flow rate lph	S %	E.U.%	Spacing (m)						
			0,2	0,3	0,4	0,5	0,6	0,75	1,0
2,1	0	95	41	53	63	73	82	94	113
		90	75	97	116	134	150	173	208
		85	92	119	143	165	185	213	256
4,0	0	95	27	35	42	49	55	63	75
		90	50	64	77	89	100	115	138
		85	61	79	95	109	123	142	170
8,2	0	95	18	23	27	31	35	41	49
		90	32	41	50	57	64	74	89
		85	39	51	61	70	79	91	109

Tube D.E.20 D.I. 17,6 mm									
Flow rate lph	S %	E.U.%	Spacing (m)						
			0,2	0,3	0,4	0,5	0,6	0,75	1,0
2,1	0	95	61	78	94	108	122	140	168
		90	111	143	172	198	223	257	308
		85	137	177	212	245	275	317	380
4,0	0	95	40	52	63	72	81	93	112
		90	74	95	114	132	148	170	205
		85	91	117	141	162	182	210	252
8,2	0	95	26	34	40	46	52	60	72
		90	47	61	74	85	95	110	132
		85	58	75	91	104	117	135	162

• *S= slope*