

IDROP® - pc

TURBULENT FLOW PRESSURE COMPENSATING DRIPPER

iDrop in its PC version is particularly suitable for very sloped land and for crops with frequent fertigation cycles. In fact, it is ideal for systems created with long lines and on very sloped land.

There are two types of outlet: multi-functional and with Drop Stop system.

Characteristics and advantages

- Turbulent flow that reduces clogging and sedimentation
- Suitable for vineyards, greenhouses, nurseries and for installations where precise flow rate is required
- Available in two outlets:
 - **MULTI-FUNCTION** - Allows assembly of all types of Irritec manifolds and micropipes with a diameter of 6x4 thanks to the innovative multi-functional outlet
 - **DROP STOP** - Non-drop system
- Flow rate is identified by the colour of the outlet base
- The silicone membrane guarantees it is long lasting and resistant to chemical products

Field of application



Crops protected underground



Crops protected overground



Nurseries



Hedges, trees and flowerbeds

iDrop® PC Multi-functional outlet

The new multi-functional iDrop allows assembly of all types of Irritec manifolds and also micropipes \varnothing 6x4mm or \varnothing 5x3mm thanks to the innovative, multi-functional outlet.



iDROP®



The multi-functional outlet makes it **ideal for assembly with all types of Irritec manifolds and micropipes!**



iDrop PC - Dripper characteristics

Actual flow rate lph	Colour	Inlet filter Area mm ²	Flow Equation		Recommended filtering mesh	CV %	Minimum working pressure in bar		Drop Stop System DS in bar		Drop Stop System HDS in bar		Insertion hole mm
			x	k			PC	PCDS	opening	closure	opening	closure	
2,2	Light Blue	2	0,02	2,08	155	≤ 3	0,5	0,7	0,4	0,3	0,6	0,4	2,5-3,0
3,2	Brown	2	0,02	3,15	155	≤ 3	0,5	0,7	0,4	0,3	0,6	0,4	2,5-3,0
4,0	Green	2	0,02	3,71	155	≤ 3	0,5	0,7	0,4	0,3	0,6	0,4	2,5-3,0
6,0	Grey	2	0,02	6,05	155	≤ 3	0,5	0,7	0,4	0,3	0,6	0,4	2,5-3,0
7,8	Red	2	0,02	7,94	155	≤ 3	0,5	0,7	0,4	0,3	0,6	0,4	2,5-3,0

Working range: DS version from 0.7 to 4.0 bar - HDS version from 1.0 to 4.0 bar.

Available flow rates iDrop PC

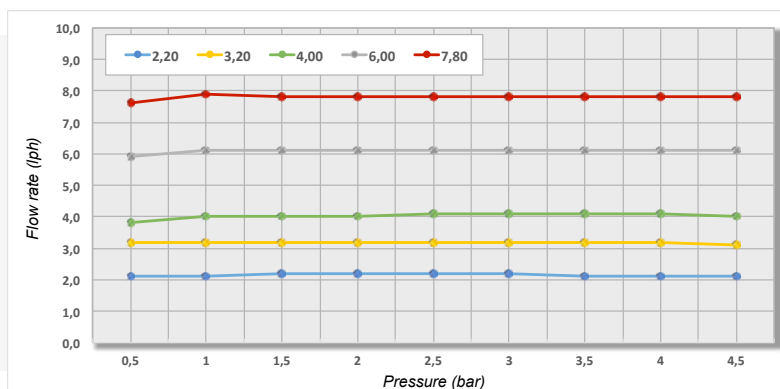


Available multi-functional outlet iDrop PC flow rates



iDrop PC - Pressure - flow rate ratio

Flow rate lph	Pressure (bar)								
	0,5	1	1,5	2	2,5	3	3,5	4	4,5
2,2	2,1	2,1	2,2	2,2	2,2	2,2	2,1	2,1	2,1
3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,2	3,1
4,0	3,8	4,0	4,0	4,0	4,1	4,1	4,1	4,1	4,0
6,0	5,9	6,1	6,1	6,1	6,1	6,1	6,1	6,1	6,1
7,8	7,6	7,9	7,8	7,8	7,8	7,8	7,9	7,8	7,8



iDrop PC - Lengths recommended of the lines in metres, based on working pressure

Flow rate lph	P bar	Tube D.E. 16 D.I. 14 mm Kd=0,4								
		Spacing (m)								
		0,2	0,3	0,4	0,5	0,6	0,75	1,0	1,5	
2,2	1	66	86	103	118	133	153	184	238	
	2	104	135	162	186	209	241	289	374	
	3	127	164	197	227	254	293	352	455	
	4	144	186	223	257	289	333	399	517	
3,2	1	53	69	82	95	106	123	147	190	
	2	83	108	129	149	168	193	232	300	
	3	101	131	157	181	204	235	282	365	
	4	115	149	179	206	231	266	320	414	
4,0	1	45	59	70	81	91	105	126	163	
	2	71	92	110	127	142	164	197	254	
	3	86	111	134	154	173	199	239	309	
	4	98	127	152	175	196	226	271	351	
6,0	1	35	45	54	62	69	80	96	124	
	2	54	70	84	97	109	126	151	195	
	3	66	86	103	118	133	153	184	238	
	4	75	97	116	134	151	174	208	270	
7,8	1	29	38	45	52	58	67	81	104	
	2	46	59	71	82	92	106	127	164	
	3	56	72	86	99	112	129	154	200	
	4	63	82	98	113	127	146	175	227	

Flow rate lph	P bar	Tube D.E. 20 D.I. 17,6 mm Kd=0,2								
		Spacing (m)								
		0,2	0,3	0,4	0,5	0,6	0,75	1,0	1,5	
2,2	1	98	127	152	176	197	227	273	353	
	2	154	200	240	276	310	358	429	556	
	3	188	243	292	336	377	435	522	676	
	4	213	276	331	381	428	494	593	750	
3,2	1	79	102	122	141	158	182	218	282	
	2	124	160	192	221	249	286	344	445	
	3	150	194	234	269	302	348	418	541	
	4	170	221	265	305	343	395	475	614	
4,0	1	67	87	104	120	135	155	186	241	
	2	105	136	163	188	211	243	291	377	
	3	128	165	198	228	256	295	355	459	
	4	145	188	225	259	291	335	403	521	
6,0	1	51	66	80	92	103	119	142	184	
	2	81	104	125	144	162	187	224	290	
	3	98	127	152	175	197	227	273	353	
	4	111	144	173	199	223	258	309	400	
7,8	1	43	56	67	77	87	100	120	155	
	2	68	88	105	121	136	157	188	244	
	3	82	107	128	148	166	191	229	296	
	4	94	121	145	167	188	217	260	336	

• P= Working pressure in bar • Slope=0