

# iDrop®

## PC ON LINE PRESSURE-COMPENSATING DRIPPER

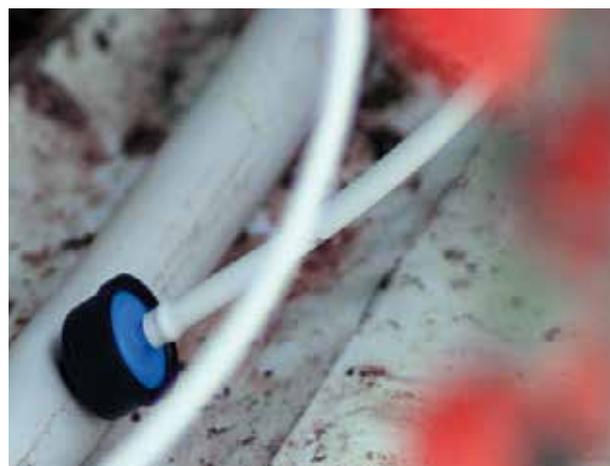
- Ideal for systems with long lines and high sloping land;
- Suitable for orchards, vineyards, greenhouses, nurseries and wherever a precise flow-rate is required.
- Turbulent flow to avoid sedimentation and clogging
- Made of last generation polymers guaranteeing long life and resistance to commonly used chemical agents and fertilizers
- The colour of the base identifies the flow-rate
- Working pressure range from 0,5 to 4,5 bar
- Two types of outlet available:
  - **multifunction outlet** suitable to connect micropipes (4 mm inside)
  - outlet for multi-way manifold (1,2,4 and multiples)
- **Available with Drop-Stop system** (no-leakage)
- Opening pressure: 0,4 bar
- Sealing pressure: 0,3 bar

iDrop™ PC Drop-Stop dripper is recommended especially for systems requiring high precision in terms of flow-rate. Drop-Stop system operates when pressure drops below 0,3 bar, contemporarily blocking all the drippers in the system to avoid draining. Upon start, Drop Stop system guarantees the contemporary operation of all the drippers from 0,7 bar

### Field of application



Particularly suitable for sloped land and for crops with frequent, daily fertigation cycles.



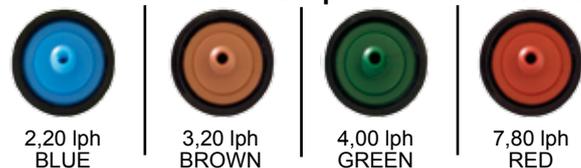
### Dripper characteristics

Flow rate lph	Color	Inlet filter Area mm <sup>2</sup>	Flow equation		Recommended filtration mesh	CV %	Min. working pressure in bar		Drop Stop System in bar		Junction hole mm
			x	k			PC	PCDS	apertura	chiusura	
2,2	Blue	2	0,02	2,08	155	≤ 3	0,5	0,7	0,4	0,3	2,5-3,0
3,2	Brown	2	0,02	3,15	155	≤ 3	0,5	0,7	0,4	0,3	2,5-3,0
4,0	Green	2	0,02	3,71	155	≤ 3	0,5	0,7	0,4	0,3	2,5-3,0
6,0	Grey	2	0,02	6,05	155	≤ 3	0,5	0,7	0,4	0,3	2,5-3,0
7,8	Red	2	0,02	7,94	155	≤ 3	0,5	0,7	0,4	0,3	2,5-3,0

### Available flow-rates iDrop PC

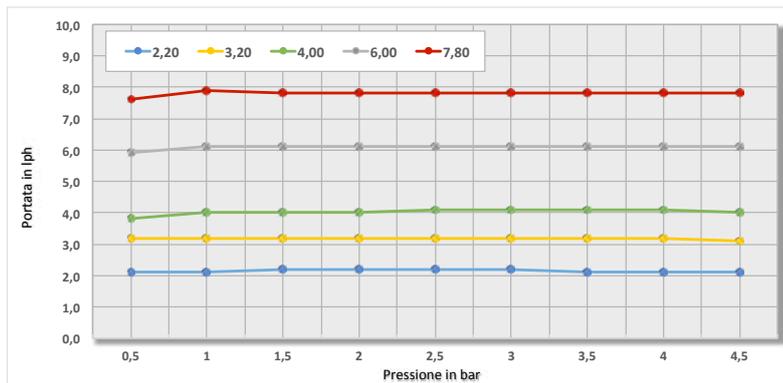


### Available flow-rates iDrop PC multifunctional



**Relazione Pressure/Flow rate**

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



**PC**

**Recommended lengths in meters, according to pressure**

Flow rate lph	P bar	Pipe OD 16 ID 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	Pipe OD 20 ID 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

**IDROP™ MULTIFUNCTION OUTLET**

The new iDrop™ PC multifunction allows the installation of all Irritec manifold types and all micropipes having 6x4mm ø thanks to the innovative outlet.

