

NEW

P0

LIGHT DRIPLINE WITH FLAT ULTRA COMPACT HIGH PERFORMANCE DRIPPER

P0™ is **Irritec®** brand new light dripline including the innovative molded ultra compact flat dripper generating almost 0 head loss, ideal for short spacing and long lines. The effective and compact dripper makes **P0™** ideal for seasonal crops with reduced spacing.

Characteristics and advantages

- Dripline produced with first quality virgin material only
- Dripper developed and produced with cutting-edge technology.
- Inlet filter with 3D development remarkably expanding the dripper's filtration surface.
- Almost 0 head loss
- Wide filtration area considering the little dripper's surface for increased protection.
- High performance turbulent flow labyrinth with wide passage sections allowing very low flow-exponents.
- The labyrinth's turbulence reduces accumulation of sedimentation and risk of clogging
- Variation Coefficient CV among the lowest in the market.
- Drippers welded to the inside wall of the dripline (coextrusion).
- P0 complies with ISO 9261.
- UV resistant and resistant to common fertilizers.
- Precision and efficiency suitable for seasonal crops with spacing from 10 cm.

Field of application

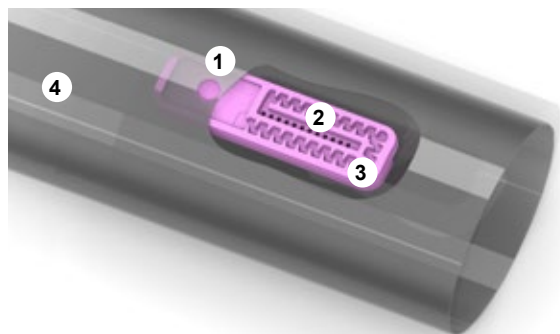


Open field crops



Crops protected greenhouse

Light dripline P0™



- 1 - Outlet Holes
- 2 - Inlet filter with large filtering area
- 3 - Turbulent flow labyrinth with low pressure sensitivity
- 4 - Polyethylene pipe

Dripline technical data

Ø nominal diameter		Internal diameter	External diameter	Thickness		Max working pressure		kd
mm	inch	mm	mm	mil	mm	bar	psi	-
16 P0	5/8	16,1	16,35	5	0,12	0,60	8,70	0,10
			16,40	6	0,15	0,70	10,10	
			16,50	8	0,20	0,90	13,00	
22 P0 ULTRA	7/8	22,3	22,60	6	0,15	0,50	7,30	0,02
			22,65	7	0,18	0,60	8,70	
			22,70	8	0,20	0,70	10,10	



Ideal for
**reduced
spacing!**



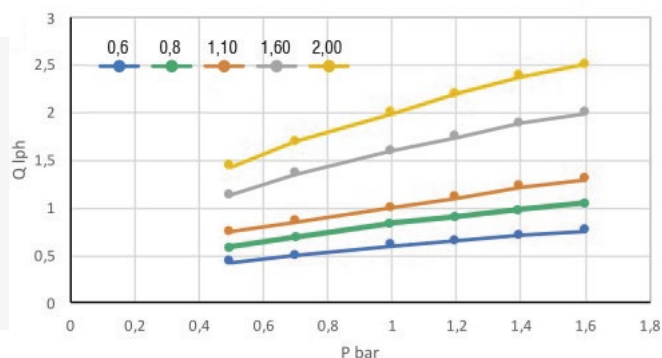
Dripper characteristics

Nominal flow rate lph	Flow rate lph	Dimensions of labyrinth in mm			Inlet filter		Recommended filtering	Flow Equation		CV
a 1,0 bar / 14,5 psi	a 0,7 bar / 10 psi	Altezza	Larghezza	Lunghezza	Area mm ²	N° Fori	Mesh	k	x	%
0,60 lph	0,50 lph	0,5	0,5	24	1,8	10	155	0,20	0,48	3
NEW 0,80 lph	0,69 lph	0,5	0,5	24	2,7	12	155	0,27	0,48	2
1,10 lph	0,95 lph	0,5	0,5	24	2,7	12	120	0,37	0,48	2
1,60 lph	1,36 lph	0,7	0,7	24	1,8	10	120	0,53	0,48	3
2,00 lph	1,70 lph	0,7	0,8	24	1,8	10	120	0,67	0,48	3



P0 - Pressure-flow rate relation

Nominal flow rate (lph)	Pressure (bar)					
a 1,0 bar / 14,5 psi	0,5	0,7	1,0	1,2	1,4	1,6
0,60	0,43	0,50	0,60	0,65	0,71	0,76
NEW 0,80	0,59	0,69	0,82	0,90	0,96	1,03
1,10	0,80	0,95	1,12	1,22	1,31	1,40
1,60	1,14	1,36	1,60	1,75	1,89	2,00
2,00	1,44	1,70	2,00	2,20	2,38	2,51



Recommended lengths in meters at inlet pressure = 1,0 bar

E.U. = emission uniformity

P0 16 mm								
Q lph	E.U. %	Spacing (cm)						
		10	15	20	25	30	40	50
0,60	95	74	96	115	133	149	179	206
	90	136	176	211	244	274	329	379
	85	168	218	261	301	338	406	468
1,00	95	54	70	84	97	108	130	150
	90	99	128	154	177	199	239	275
	85	122	158	190	219	246	295	340
1,60	95	40	52	62	72	80	96	111
	90	73	95	114	131	147	177	204
	85	90	117	141	162	182	218	252
2,00	95	35	45	54	62	69	83	96
	90	63	82	98	113	127	152	176
	85	78	101	121	140	157	188	217

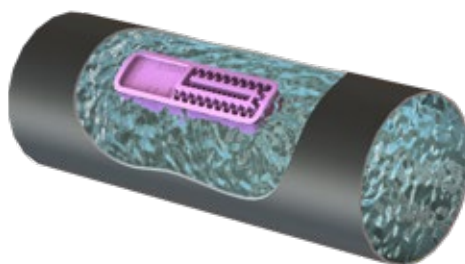
P0 22 mm ULTRA								
Q lph	E.U. %	Spacing (cm)						
		10	15	20	25	30	40	50
0,60	95	129	167	200	231	259	311	358
	90	237	307	368	424	476	572	659
	85	293	379	455	525	589	708	815
1,00	95	94	121	146	168	188	226	261
	90	172	223	268	309	346	416	480
	85	213	276	331	381	428	514	593
1,60	95	70	90	108	124	140	167	193
	90	127	165	198	228	256	308	355
	85	157	204	245	282	317	381	439
2,00	95	60	78	93	107	120	144	166
	90	110	142	171	197	221	265	306
	85	136	176	211	243	273	328	378

Recommended lengths in meters at inlet pressure = 0,7 bar

E.U. = emission uniformity

P0 16 mm								
Q lph	E.U. %	Spacing (cm)						
		10	15	20	25	30	40	50
0,50	95	73	94	113	130	146	175	202
	90	133	172	207	239	268	322	371
	85	165	213	256	295	331	398	458
0,86	95	53	68	82	95	106	127	147
	90	97	125	151	174	195	234	270
	85	120	155	186	214	241	289	333
1,36	95	39	51	61	70	79	94	109
	90	72	93	111	128	144	173	200
	85	89	115	138	159	178	214	247
1,70	95	34	44	52	60	68	81	94
	90	62	80	96	111	124	149	172
	85	76	99	119	137	153	184	212

P0 22 mm ULTRA								
Q lph	E.U. %	Spacing (cm)						
		10	15	20	25	30	40	50
0,50	95	126	163	196	226	254	305	351
	90	232	300	360	415	467	560	646
	85	287	371	446	514	577	693	798
0,86	95	92	119	143	164	185	222	255
	90	169	218	262	302	339	407	470
	85	208	270	324	373	419	504	581
1,36	95	68	88	106	122	137	164	189
	90	125	162	194	224	251	301	347
	85	154	200	240	276	310	373	429
1,70	95	59	76	91	105	118	141	163
	90	108	139	167	193	216	260	299
	85	133	172	206	238	267	321	370



SPACE FOR SAMPLE

Sample: P0™ 16mm - 6mil