



Ideal for **vast spaces!**



Light dripline with flat dripper

P1 is the light dripline with flat dripper ideal for spacings over 20 cm. The flat dripper guarantees extremely reduced localised load loss, with resulting supply uniformity for the entire length of the dripline and, with the same uniformity, longer lengths.



Characteristics and advantages

- Of the light driplines, it is the ideal solution for spacings over 20 cm.
- The vast range of thicknesses and capacities available allow seasonal and multi-seasonal use, and also in the presence of stones and insects on the land.
- The particular design of the labyrinths reduce pressure sensitivity and increases the self-cleaning effect thanks to the level of turbulence.
- The flat dripper guarantees extremely low localised load losses, with resulting supply uniformity for the entire length of the line.
- The excellent uniformity performance and the possible combination of low flow rates of the dripper with vast diameters (up to 29 mm) allows very long branches to be laid.
- The integrated filter avoids clogging phenomena occurring.
- The particular positioning of the filter turned to the centre of the tube allows water into the labyrinth far from stagnation areas.
- The presence of the particular Flap system inserted inside allows its use in sub-irrigation.

irritec[®]
don't wait for rain[®]
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Product certified
according to
ISO 9261



LIGHT DRIPLINE WITH FLAT DRIPPER

Field of application



Open
field
crops



Crops
protected
underground



Dripper characteristics

Actual flow rate lph	Flow rate lph	Recommended filtering	Flow Equation	CV
a 1,0 bar / 14,5 psi	a 0,7 bar / 10 psi	Mesh	k x	%
0,60	0,50	155	0,19 0,48	≤ 2,5
0,80	0,66	155	0,26 0,48	≤ 2,5
1,10	0,92	155	0,38 0,48	≤ 2,5
1,50	1,20	155	0,51 0,48	≤ 2,5
2,10	1,75	120	0,69 0,48	≤ 2,5

Protected flow

The protected flow system devised by the Irritec® research and development department allows the P1® to be buried in the soil without problems caused by aspiration of mud and detritus, and reduces the risk of root intrusion to a minimum.

Available on P1 6-8 mil and P1 ULTRA 10-12 and 15 mil, in the flow rates 0.6-0.80-1.10-1.50-2.10



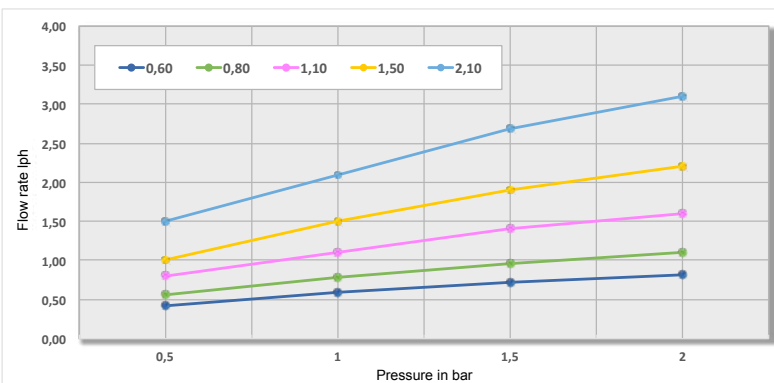
closed outlet



open outlet

Pressure - Flow Rate Ratio

Actual flow rate (lph)	Pressure (bar)					
a 1,0 bar / 14,5 psi	0,5	0,7	1,0	1,2	1,5	2,0
0,60	0,42	0,50	0,60	0,65	0,72	0,82
0,80	0,56	0,66	0,79	0,87	0,96	1,10
1,10	0,80	0,92	1,11	1,22	1,40	1,60
1,50	1,00	1,20	1,50	1,69	1,90	2,20
2,10	1,50	1,75	2,09	2,34	2,68	3,10



Lengths recommended in metres, based on E.U.

P1 12 mm SMALL					P1 16 mm					P1 22 mm ULTRA					P1 25 mm MAXI					P1 29 mm EXTRA				
Q	E.U.	Spacing (cm)			Q	E.U.	Spacing (cm)			Q	E.U.	Spacing (cm)			Q	E.U.	Spacing (cm)			Q	E.U.	Spacing (cm)		
lph	%	20	30	40	lph	%	20	30	40	lph	%	20	30	40	lph	%	20	30	40	lph	%	20	30	40
0,60	90	121	157	189	0,60	90	210	272	326	0,60	90	368	477	573	0,60	90	455	589	708	0,60	90	566	733	880
	85	149	194	234		85	260	336	404		85	456	590	709		85	563	729	875		85	700	907	1089
0,80	90	99	129	156	0,80	90	172	223	268	0,80	90	302	391	470	0,80	90	373	483	580	0,80	90	465	601	722
	85	123	160	193		85	214	276	332		85	375	485	582		85	462	599	719		85	576	746	895
1,10	90	80	105	126	1,10	90	140	181	218	1,10	90	244	316	379	1,10	90	304	393	472	1,10	90	378	489	588
	85	99	129	156		85	173	224	269		85	302	391	469		85	376	486	584		85	467	605	727
1,50	90	66	86	104	1,50	90	117	151	181	1,50	90	203	263	315	1,50	90	252	327	392	1,50	90	314	407	488
	85	82	107	128		85	144	186	224		85	251	325	390		85	312	404	485		85	388	503	604
2,10	90	55	71	86	2,10	90	96	124	149	2,10	90	167	217	260	2,10	90	208	270	324	2,10	90	259	335	403
	85	68	88	106		85	119	154	185		85	207	268	322		85	257	333	400		85	320	415	498

E.U. = emission uniformity / Inbound pressure = 1,0 bar

SPACE FOR SAMPLE

Sample: P1® 16mm - 6mil



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