



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.
- Compliant with ISO 9261
- UV resistant and resistant to common fertilizers



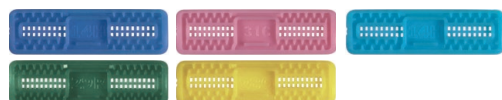
Field of application



**IRRITEC®
HISTORICAL
DRIPLINE!**

Dripper characteristics

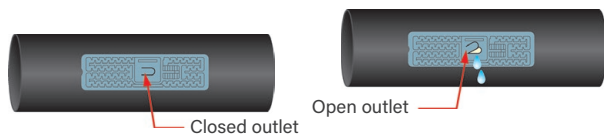
Actual flow rate lph	Flow rate lph	Recommended filtering	Flow Equation		CV
a 1,0 bar / 14,5 psi	a 0,7 bar / 10 psi	Mesh	k	x	%
0,60	0,50	155	0,19	0,48	≤ 2,5
0,80	0,66	155	0,26	0,48	≤ 2,5
1,10	0,92	120	0,38	0,48	≤ 2,5
1,50	1,20	120	0,51	0,48	≤ 2,5
2,10	1,75	120	0,69	0,48	≤ 2,5



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



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

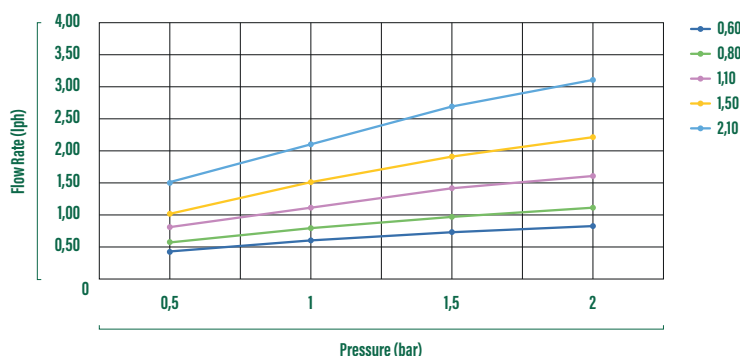
Lengths recommended in metres, based on E.U.

P1 12 mm SMALL						P1 16 mm						P1 22 mm ULTRA						P1 25 mm MAXI						P1 29 mm EXTRA					
Q lph	E.U. %	Spacing (cm)				Q lph	E.U. %	Spacing (cm)				Q lph	E.U. %	Spacing (cm)				Q lph	E.U. %	Spacing (cm)				Q lph	E.U. %	Spacing (cm)			
		20	30	40				20	30	40				20	30	40											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	0,60	90	566	733	880
	85w	149	194	234		85	260	336	404		85	456	590	709		85	563	729	875		85	700	907	1089		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	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		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	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		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	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		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	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		85	320	415	498

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

Dripline technical data

Nominal internal diameter	Internal diameter	External diameter	Pricelist ref.	Thickness	Max working pressure		kd		
mm	inch	mm	-	mil	mm	bar	psi	-	
12 P1 SMALL	1/2	11,8	12,10	FNFB06	6	0,150	0,70	10,15	0,22
			12,20	FNFB08	8	0,200	0,90	13,00	
			12,40	FNFB12	12	0,300	1,30	18,80	
			12,60	FNFB15	15	0,400	1,60	23,20	
			13,00	FNFB24	24	0,600	2,50	36,00	
			16,35	FNFB35	35	0,900	0,60	8,70	
16 P1	5/8	16,1	16,40	FNFC05	5	0,125	0,70	10,10	0,10
			16,45	FNFY06	6	0,150	0,80	11,60	
			16,50	FNFW07	7	0,180	0,90	13,00	
			16,60	FNFI08	8	0,200	1,10	16,00	
			16,70	FNFI10	10	0,250	1,30	18,90	
			16,90	FNFL12	12	0,300	1,60	23,20	
			17,00	FNFM15	15	0,400	1,80	26,10	
			17,30	FNFN18	18	0,450	2,00	29,00	
			22,60	FNFO24	24	0,600	0,50	7,30	
			22,65	FNZX06	6	0,150	0,60	8,70	
			22,70	FNZE07	7	0,177	0,70	10,10	
22 P1 ULTRA	7/8	22,3	22,80	FNZK08	8	0,200	0,90	13,00	0,09
			22,90	FNZQ10	10	0,250	1,00	14,50	
			23,10	FNZR12	12	0,300	1,20	17,40	
			23,20	FNZS15	15	0,400	1,30	18,80	
			23,50	FNZT18	18	0,450	1,70	24,60	
			25,60	FNZU24	24	0,600	0,80	11,60	
			25,70	FNFF10	10	0,250	0,90	13,00	
			25,90	FNFF12	12	0,300	1,10	16,00	
25 P1 MAXI	1	25,1	29,10	FNFF15	15	0,380	0,70	10,10	0,08
			29,20	FNVH10	10	0,250	0,80	11,60	
			29,20	FNVH12	12	0,300	0,80	11,60	
29 P1 EXTRA	11/8	28,6						0,07	



SPACE FOR SAMPLE

Sample: P1® 16mm - 6mil

Irritec S.p.A. is a Benefit Corporation

Via Gambitta Conforto, C.da S. Lucia SNC - 98071 Capo d'Orlando (ME) - Italy
Tel. +39 0941 902211 - Fax. +39 0941 958807

For further
information
download the
complete catalogue.



GFDGEN02000220