



P5TM
LIGHT DRIPLINE

Excellent **supply uniformity**

Light dripline with flat dripper and long labyrinth

The P5™ is the light dripline with flat dripper and long labyrinth. Thanks to the larger labyrinth section, it is ideal in the event of difficult water. It also offers a vast range of spacings over 60 cm and is indicated for high flow rates and in the cases in which large volumes of water are necessary in a short time.



Characteristics and advantages

- Maintains all the excellent characteristics of the dripline P1.
- The long labyrinth guarantees high performance in terms of supply uniformity.
- The larger labyrinth section makes it ideal in the event of difficult water.
- It also offers a vast range of spacings over 60 cm and is indicated for high flow rates and in the cases in which large volumes of water are necessary in a short time.
- The vast availability of the spacings allows application not only on vegetable crops in the open field, but also fruit crops, for emergency and grafting irrigation.
- The particular positioning of the filter turned to the centre of the tube allows water into the labyrinth far from stagnation areas.
- 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 particular design of the labyrinths reduce pressure sensitivity and increases the self-cleaning effect thanks to the level of turbulence developed.

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LABYRINTH WITH LARGE PASSAGE

LIGHT DRIPLINE WITH FLAT DRIPPER AND LONG LABYRINTH

Field of application



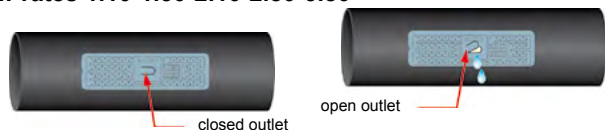
Dripper characteristics

Actual flow rate a 1,0 bar/14,5 psi	Flow Equation k x	Recommended filtering mesh	CV %
1,10	0,37 0,48	155	≤ 2,5
1,50	0,46 0,52	155	≤ 2,5
2,10	0,68 0,52	120	≤ 2,5
2,80	0,93 0,48	120	≤ 2,5
3,80	1,26 0,48	120	≤ 2,5

Protected flow

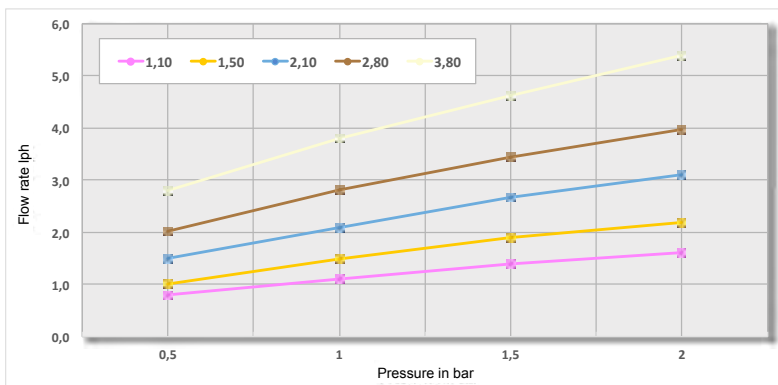
The protected flow system devised by the Irritec® research and development department allows the P5™ to be buried in the soil without problems caused by aspiration of mud and detritus, and reduces the risk of root intrusion to a minimum.

Available on P5 6-8 mil and P5 ULTRA 1012 and 15 mil, in the flow rates 1.10-1.50-2.10-2.80-3.80



Pressure - Flow Rate Ratio

Actual flow rate (lph) a 1,0 bar / 14,5 psi	Pressure (bar)					
	0,5	0,7	1,0	1,2	1,5	2,0
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
2,80	1,99	2,32	2,76	3,01	3,35	3,88
3,80	2,73	3,20	3,81	4,15	4,60	5,30



Lengths recommended in metres, based on E.U.

P5 16 mm						P5 22 mm ULTRA						P5 25 mm MAXI						P5 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)			
		30	50	75	100			30	50	75	100			30	50	75	100			30	50	75	100
1,10	90	185	256	331	397	1,10	90	324	449	580	697	1,10	90	406	561	725	873	1,10	90	499	699	905	1086
	85	228	316	409	491		85	401	555	718	863		85	501	694	899	1079		85	624	864	1118	1343
1,50	90	148	205	266	319	1,50	90	260	360	466	560	1,50	90	321	445	575	691	1,50	90	400	554	716	860
	85	184	254	329	395		85	322	446	578	649		85	398	552	714	857		85	496	687	889	1067
2,10	90	121	167	217	260	2,10	90	212	294	380	457	2,10	90	261	361	467	561	2,10	90	325	450	582	699
	85	150	207	268	322		85	263	364	471	566		85	323	447	579	695		85	402	557	721	866
2,80	90	102	141	183	219	2,80	90	177	246	318	382	2,80	90	221	306	395	475	2,80	90	275	381	493	592
	85	126	174	226	271		85	219	304	393	472		85	273	378	490	588		85	340	471	610	732
3,80	90	85	117	151	182	3,80	90	148	205	266	319	3,80	90	184	254	329	395	3,80	90	228	316	410	492
	85	104	145	187	225		85	183	254	328	394		85	227	314	406	488		85	282	391	506	608

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

SPACE FOR SAMPLE

Sample: P5™ 16mm - 8mil



GFDFGEN102BA0190

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For further information download the complete catalogue.



Dripline technical data

Nominal internal diameter	Internal diameter		External diameter	Pricelist ref.	Thickness		Max working pressure		kd
	mm	inch			mm	mm	bar	psi	
16 P5	5/8	16,1	16,40	FNPC06	6	0,150	0,70	10,10	0,11
			16,45	FNPC07	7	0,180	0,80	11,60	
			16,50	FNPC08	8	0,200	0,90	13,00	
			16,60	FNPC10	10	0,250	1,10	16,00	
			16,70	FNPC12	12	0,300	1,30	18,90	
			16,90	FNPC15	15	0,400	1,60	23,20	
			17,00	FNPC18	18	0,450	1,80	26,10	
			17,30	FNPC24	24	0,600	2,00	29,00	
22 P5 ULTRA	7/8	22,3	22,60	FNPE06	6	0,150	0,50	7,30	0,10
			22,65	FNPE07	7	0,177	0,60	8,70	
			22,70	FNPE08	8	0,200	0,70	10,10	
			22,80	FNPE10	10	0,250	0,90	13,00	
			22,90	FNPE12	12	0,300	1,00	14,50	
			23,10	FNPE15	15	0,400	1,20	17,40	
			23,20	FNPE18	18	0,450	1,30	18,90	
			23,50	FNPE24	24	0,600	1,70	24,70	
25 P5 MAXI	1	25,1	25,60	FNPF10	10	0,250	0,80	11,60	0,09
			25,70	FNPF12	12	0,300	0,90	13,00	
			25,85	FNPF15	15	0,380	1,10	16,00	
29 P5 EXTRA	1 1/8	28,6	29,10	FNPV10	10	0,250	0,70	10,10	0,08
			29,20	FNPV12	12	0,300	0,80	11,60	