D5 - M5

Classic dripline with flat dripper

The classic dripline with flat dripper D5 (version in rolls) - M5 (version on reels) is ideal for orchards and application of perennial crops. The particular design of the flat dripper allows excellent uniformity. Furthermore, the particular design of the labyrinth considerably reduces pressure and increases the self-cleaning effect thanks to the higher level of turbulence developed.

Characteristics and advantages

- Heavy dripline with very low localised load losses due to the particular design of the dripper.
- 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.
- D5 is produced on rolls.
- M5 is produced on reels.

Ideal for **perennial crops!**

irritec®

don't wait for rain®

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D5 - M5

Product certified according to ISO 9261

CLASSIC DRIPLINE WITH FLAT DRIPPER

Field of application

Tree and orchard crops | Open field crops | Vineyards | Olive groves | Crops protected underground | Hedges, trees and flowerbeds

Dripper characteristics

Actual flow rate		Flow Equation		Recommended filtering	CV
a 1,0 bar/14,5 psi		k	x	mesh	%
1,10		0,38	0,48	155	≤ 2,5
1,50		0,51	0,48	155	≤ 2,5
2,10		0,69	0,48	120	≤ 2,5
2,80		0,93	0,48	120	≤ 2,5
3,80		1,26	0,48	100	≤ 2,5

D5 - Dripline technical data

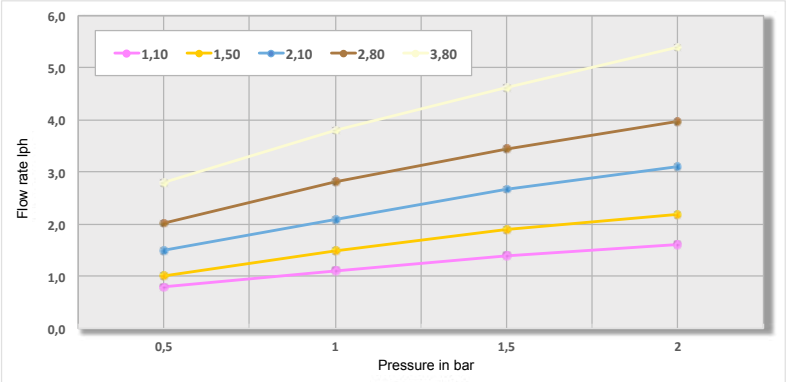
Nominal external Ø	Internal diameter	External diameter	Pricelist ref.	Thickness		Max working pressure		Kd
mm	mm	mm	-	mil	mm	bar	PSI	-
16	13,8	15,0	FAFA24	24	0,60	2,0	29	0,11
		15,6	FAFA35	35	0,90	3,0	43	
		15,8	FAFA40	40	1,00	3,5	51	
20	17,7	19,5	FAFB35	35	0,90	3,0	43	0,09

M5 - Dripline technical data

Nominal external Ø	Internal diameter	External diameter	Pricelist ref.	Thickness		Max working pressure		Kd
mm	mm	mm	-	mil	mm	bar	PSI	-
16	13,8	15,0	FAEA24	24	0,60	2,0	29	0,11
		15,6	FAEA35	35	0,90	3,0	43	
20	17,7	19,5	FAEB35	35	0,90	3,0	43	0,09

Pressure - flow rate ratio

Actual flow rate	Pressure (bar)					
lph a 1,0 bar / 14,5 psi	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	2,01	2,38	2,82	3,06	3,45	3,98
3,80	2,80	3,20	3,81	4,15	4,62	5,40



Lengths recommended in metres, based on E.U.

D5 16 mm										
Flow rate lph	S %	E.U.%	Spacing (cm)							
			10	20	30	40	50	60	75	100
1,10	0	90	67	108	140	168	194	217	250	301
		85	83	133	173	207	239	269	310	372
1,50	0	90	55	87	112	135	155	174	201	241
		85	68	107	139	167	193	216	249	299
2,10	0	90	44	71	91	110	126	142	163	196
		85	54	87	113	136	156	175	202	243
2,80	0	90	37	60	77	93	107	120	138	166
		85	46	74	95	115	132	148	171	205
3,80	0	90	31	50	64	77	89	100	115	138
		85	38	61	79	95	110	123	142	171

D5 20 mm										
Flow rate lph	S %	E.U.%	Spacing (cm)							
			10	20	30	40	50	60	75	100
1,10	0	90	103	163	212	256	295	332	383	460
		85	127	201	262	316	365	410	473	569
1,50	0	90	84	133	173	209	241	271	313	376
		85	104	165	215	259	299	336	387	466
2,10	0	90	68	107	139	167	193	217	251	301
		85	84	132	172	207	239	269	310	373
2,80	0	90	57	91	118	142	164	184	212	255
		85	71	112	146	175	203	228	263	316
3,80	0	90	48	75	98	118	136	153	176	212
		85	59	93	121	146	168	189	218	262

S= slope - E.U.= emission uniformity
• Inbound pressure= 1,0 bar

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