



Multibar™ C

Classic dripline with pressure compensating cylindrical dripper

The classic dripline with pressure compensating, cylindrical dripper is the ideal solution to irrigate multi-seasonal crops and is suitable for sloped land and irregular topographies. The particular design of the dripper enables efficient compensation of the pressure inside a vary ample range.

Characteristics and advantages:

- The dripper pressure compensating system is guaranteed by a silicone membrane which maintains the flow rate constant on varying the working pressure.
- Suitable for sloped ground and irregular topographies.
- The particular design of the dripper enables efficient compensation of the pressure inside a vary ample range.
- Perfect dosage of fertilisers in any section of the system.
- Creation of line lengths over 800 metres.
- The Drop Stop version is distinguished by the particular design of the dripper which interrupts the flow at the end of the irrigation cycle, making it particularly suitable for crops requiring short irrigation cycles.
- The version with Anti-Siphon System avoids intake of impurities.



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MULTIBAR® C

CLASSIC DRIPLINE WITH PRESSURE COMPENSATING CYLINDRICAL DRIPPER

Multibar C is the classic, pressure compensating dripline ideal for installation in areas with considerably uneven ground, where very long lines are required. Constant flow rates in every section of the system and high supply precision.

Ideal for areas with **uneven land**

Field of application



Tree and orchard crops



Vineyards



Olive groves



Nurseries

Product certified according to ISO 9261



Dripper characteristics

Nominal diameter	Flow rate 44/47 mil	Flow rate 35 mil	Flow Equation		Minimum working pressure		Recomm. filtering	CV
			k	x	bar	psi		
16	1,10	1,30	0,86	0,035	0,5	7,3	155	≤ 4
	1,60	1,80	1,51	0,020	0,5	7,3	155	≤ 4
	2,10	2,30	2,06	0,020	0,5	7,3	155	≤ 4
	2,90	3,20	2,90	0,025	0,5	7,3	155	≤ 4
20	3,80	4,20	3,65	0,020	0,5	7,3	155	≤ 4
	1,60	1,80	1,53	0,020	0,5	7,3	155	≤ 4
	2,10	2,30	2,10	0,020	0,5	7,3	155	≤ 4
	2,90	3,20	2,75	0,027	0,5	7,3	155	≤ 4
	3,80	4,20	3,55	0,030	0,5	7,3	155	≤ 4



Dripline technical data

Nominal diameter	Internal diameter	External diameter	Pricelist Ref.	Thickness		Press. max. di lavoro		Kd
				mm	mil	bar	psi	
16	13,8	15,6	FAMA35	35	0,90	3,0	43	1,00
		16,0	FAMA44	44	1,10	4,0	58	
20	17,7	19,5	FAMB35	35	0,90	3,0	43	0,65
		20,1	FAMB47	47	1,20	4,0	58	

Length recommended in metres, based on working pressure

MULTIBAR C 16 mm						MULTIBAR C 20 mm					
Flow rate	Pres.	Spacing (cm)				Flow rate	Pres.	Spacing (cm)			
		30	50	75	100			30	50	75	100
1,10	1,0	95	148	206	259	1,60	1,0	133	200	271	334
	2,0	142	220	308	386		2,0	198	297	404	498
	3,0	171	265	370	465		3,0	238	358	486	600
	4,0	193	300	418	525		4,0	271	406	552	680
1,60	1,0	73	113	157	197	2,10	1,0	110	165	224	277
	2,0	108	168	234	294		2,0	165	247	335	413
	3,0	130	202	282	354		3,0	198	297	404	498
	4,0	146	228	318	400		4,0	227	340	462	570
2,10	1,0	62	96	134	169	2,90	1,0	90	135	184	226
	2,0	92	144	200	252		2,0	134	201	274	337
	3,0	111	173	241	303		3,0	162	242	329	406
	4,0	125	195	272	342		4,0	184	276	375	462
2,90	1,0	50	77	107	135	3,80	1,0	77	115	156	193
	2,0	74	115	160	201		2,0	114	171	233	287
	3,0	89	138	192	241		3,0	138	206	280	346
	4,0	100	156	217	273		4,0	155	233	317	391
3,80	1,0	42	66	92	115	• Slope=0					
	2,0	63	98	136	171						
	3,0	76	118	164	206						
	4,0	85	133	185	233						

MULTIBAR® C a.s. - d.s.

CLASSIC DRIPLINE WITH CYLINDRICAL PRESSURE COMPENSATING AND ANTI-SIPHON AND DROP STOP DRIPPER

Multibar C, in its anti-siphon and drop stop version, is ideal for installation in areas with considerably uneven ground. The Drop-Stop system by Irritec of Multibar drippers guarantees highly precise irrigation systems, giving all the drippers on the line simultaneous opening and closure. This gives, at the end of the irrigation cycle, a more homogeneous harvest. Furthermore, the anti-siphon system avoids dirt entering the dripper when the tube empties.

Field of application



Tree and orchard crops



sub-irrigation



Vineyards



Olive groves



Nurseries

Dripper characteristics

Nominal diameter	Actual flow rate	Flow Equation		Minimum working pressure		Recomm. filtering	CV	Drop Stop System in bar	
		k	x	bar	psi			open	closed
16	2,10	1,97	0,035	0,7	10	155	≤ 4	0,2	0,15
	3,80	3,51	0,035	0,7	10	155	≤ 4	0,2	0,15

Particularly suitable for very sloped land and with daily fertigation cycles!



Dripline technical data

Nominal diameter	Internal diameter	External diameter	Pricelist Ref.	Thickness		Max working pressure		Kd
				mm	mil	bar	PSI	
16	13,8	15,6	FADA35	35	0,90	3,0	43	1
		16,0	FADA44	44	1,10	4,0	58	

Length recommended in metres, based on working pressure

MULTIBAR C a.s. - d.s. 16 mm					
Flow rate	Pres.	Spacing (cm)			
		30	50	75	100
2,10	1,0	47	73	102	128
	2,0	84	131	182	229
	3,0	104	162	225	283
	4,0	119	185	258	323
3,80	1,0	35	54	75	94
	2,0	59	91	127	160
	3,0	72	112	157	197
	4,0	82	128	179	224

• Slope=0



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