MULTIBAR® C a.s. - d.s.

Product certified according to ISO 9261

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

Multibar F AS and DS is the classic dripline with PC flat, anti-siphon and Drop Stop dripper which keeps the flow rate constant as pressure varies thanks to the characteristics of the dripper and the silicone membrane inside. It enables a high level of emission uniformity, of water and nutrients, with utmost precision in supply distribution, in any topographical situation, thanks to the working range.
The anti-siphon system prevents intake of impurities and soil particles inside the dripper.
The Drop Stop system avoids emptying the line at the end of each cycle by aligning the times and quantities of the supply on each plant. Synchronised opening and closure of each irrigation cycle improves homogeneous plant growth for a better harvest.



Characteristics and advantages

- Particularly suitable for sub-irrigation and sloped land, avoiding stressing roots with water.
- Flat dripper with turbulent flow labyrinth has passage self-cleaning during normal operation. Comply with the recommended filtrations.
- The position of the integrated filter turned towards the centre of the tube, far from stagnation areas, allows clean water intake into the labyrinth,
- Low manufacturing variation coefficients.
- Excellent supply uniformity.
- Multi-seasonal use.

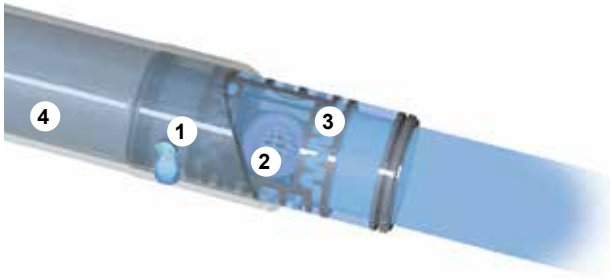
Field of application (cf. page 3)

Tree and orchard crops | Sub-irrigation | Vineyards | Olive groves | Nurseries

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



MULTIBAR C a.s - d.s. dripline



1 - Outlet holes
2 - Inlet filter with vast filtering surface
3 - Turbulent flow labyrinth with low pressure sensitivity
4 - Polyethylene tube



Multibar C a.s. e d.s. - Dripline technical data

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

Multibar C a.s. e d.s. - Dripper characteristics

Nominal diameter	Actual flow rate		Dimensions of labyrinth in mm			Inlet filter		Flow Equation		Minimum working pressure		Recommended filtering	CV	Drop Stop System in bar	
mm	**lph a 2,0 bar**		**Height**	**Width**	**Height**	**Area mm²**	**No. holes**	**k**	**x**	**bar**	**psi**	**mesh**	**%**	**open**	**closed**
16	2,10		0,85	0,85	35	4,5	10	1,97	0,035	0,7	10	155	≤ 4	0,2	0,15
	3,80		1,30	1,10	35	4,5	10	3,51	0,035	0,7	10	155	≤ 4	0,2	0,15

Available flow rates

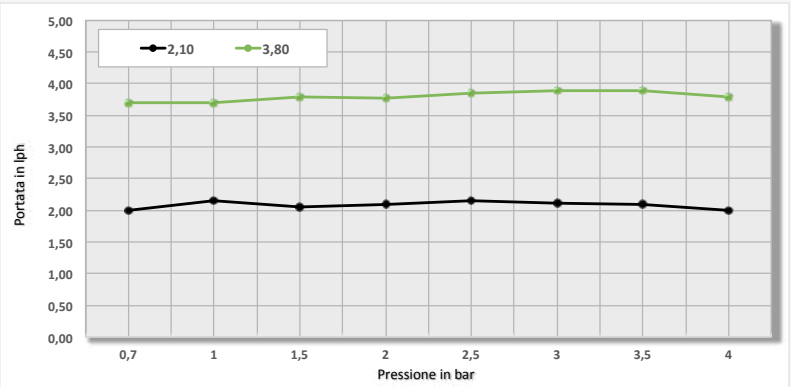

2,10 lph
BALCK


3,80 lph
GREEN


side open view

Multibar C a.s. e d.s. - Pressure - flow rate ratio

Actual flow rate	Pressure (bar)							
lph	**0,7**	**1**	**1,5**	**2**	**2,5**	**3**	**3,5**	**4**
2,10	2,0	2,15	2,05	2,10	2,15	2,12	2,10	2,00
3,80	3,7	3,80	3,78	3,85	3,90	3,90	3,85	3,80



Multibar C a.s. e d.s. - Length recommended in metres, based on working pressure

MULTIBAR C a.s. - d.s. 16 mm										
Flow rate lph	Pres. bar	Spacing (cm)								
		20	**30**	**40**	**50**	**60**	**75**	**100**	**125**	**150**
2,10	1,0	33	47	60	73	85	102	128	151	174
	2,0	59	84	108	131	152	182	229	272	311
	3,0	72	104	134	162	188	225	283	336	386
	4,0	83	119	153	185	215	258	323	384	441
3,80	1,0	24	35	45	54	63	75	94	112	128
	2,0	41	59	75	91	106	127	160	190	218
	3,0	50	72	93	112	131	157	197	234	268
	4,0	57	82	106	128	149	179	224	266	306

• *Slope=0*

For fittings and connection valves see page 53
For specific boxing - packaging see page 59