

Drip line with pressure compensating dripper



Series :
4516 - 4520

- Made with 100% virgin raw materials
- Suitable for residential, gardening applications and vertical garden
- Resistant to UV and acid

● **no-drain ND**

The emitter closes at 0.15 (bar) to avoid water emission at the end of the irrigation cycle and to reduce the dripline filling time to the next irrigation cycle. Suitable for looping irrigation.

● **self-cleaning**

The anti-deposit silicone membrane and the large maze one guarantee the continuous cleaning of the dripper



Drip line specifications

Nominal diameter	Inside diameter	Outside diameter	Wall thickness		Max pressure
	mm	mm	MIL	mm	Bar
16	13.80	15.80	40	1.00	3.50
		16.00	44	1.10	4.00
		16.20	48	1.20	4.00
20	17.60	19.60	40	1.00	3.50
		19.80	44	1.10	4.00
		20.00	48	1.20	4.00

Maximum recommended length on flat terrain (mt) E.U 90%

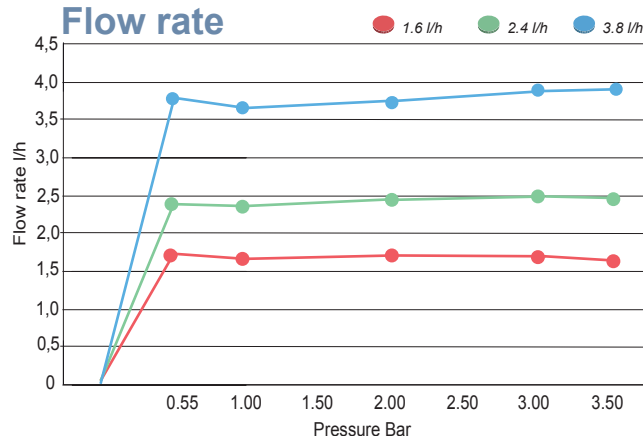
Nominal diameter	Inside diameter (mm)	Flow rate (l/h)	15	20	25	30	33	40	50	Pressure (bar)
16	13.80	1.6	69	88	106	122	132	153	181	1.5
			80	101	122	141	151	176	208	2.0
			95	121	145	167	181	210	249	3.0
		2.4	53	67	81	94	101	117	139	1.5
			61	77	93	108	116	135	160	2.0
			72	92	111	128	138	160	190	3.0
		3.8	39	50	60	70	75	87	103	1.5
			45	57	69	80	86	100	119	2.0
			54	68	82	95	103	119	141	3.0
20	17.60	1.6	99	127	154	179	193	224	267	1.5
			114	146	177	205	221	258	307	2.0
			136	174	210	244	264	307	366	3.0
		2.4	76	97	118	136	148	172	205	1.5
			87	112	135	157	169	198	235	2.0
			104	133	161	187	202	235	280	3.0
		3.8	56	72	87	101	110	128	152	1.5
			65	83	100	116	126	146	175	2.0
			77	98	119	138	149	174	208	3.0

Dripper specifications

Nominal flow rate: (l/h) 1.6 - 2.4 - 3.8
Standard spacing : (cm) 10 - 15 - 20 - 25 - 30 - 33 - 40 - 50
Special spacing : groups by request



Flow rate



Dripper data

Nominal flow rate		l/h	1,60	2,40	3,80
Coefficient of variation CV		%	3,60	3,80	3,90
Costant K		bar	1,60	2,30	3,60
Exponent		X	0,0	0,0	0,0
Maximum working pressure		bar	4,0	4,0	4,0
Minimum working pressure		bar	0,5	0,5	0,5
Closing pressure*		bar	0,25	0,25	0,25
Dripper flow path	Depth	mm	0,85	0,90	0,90
	Width	mm	1,06	1,19	1,30
	Length	mm	132	89,6	78,7
Filtration area		mm ²	37,37	37,37	37,37
Filtration degree		mesh	150	120	120
		micron	100	130	130

*only PC AS ND

Fittings

PE starter		4384	17
drill hole 10 mm			
Coupling		4381	17
Elbow		4380	17
Tee		4379	17
End line		4378	17

For other fittings see durafitting

Packaging and shipping

Inside diameter	16				20	
reel (m)	25	50	100	500	100	300
pallet (reel)	small 84 100x120xh200 cm	small 64 100x120xh200 cm	small 48 114x114xh200 cm	small 10 80x160xh170 cm	small 24 80x160xh220 cm	small 10 80x160xh170 cm
	maxi 105 100x120xh250 cm	maxi 80 100x120xh250 cm	maxi 60 114x114xh260 cm	maxi 14 80x160xh240 cm	maxi 28 80x160xh250 cm	maxi 14 80x160xh240 cm
truck	24 (pallets maxi) 2.520 (reel)	24 (pallets maxi) 1.920 (reel)	22 (pallets maxi) 1.320 (reel)	bulk 384 (reel)	25 (pallets maxi) 700 (reel)	bulk 384 (reel)
container 20'	11 (pallets small) 840 (reel)	11 (pallets small) 500 (reel)	10 (pallets small) 440 (reel)	bulk 160 (reel)	10 (pallets small) 240 (reel)	bulk 160 (reel)
container 40' HC	22 (pallets maxi)	22 (pallets maxi)	20 (pallets maxi)	bulk	22 (pallets maxi)	bulk
	2.310 (reel)	1.760 (reel)	1.200 (reel)	330 (reel)	616 (reel)	330 (reel)



The information contained in this catalog is purely indicative. Aster reserves the right to modify it at any time and in no case can it be held responsible for errors in the data contained in this document.

Extra flexible drip line with pressure compensating dripper



Series :
4616

- Made with 100% virgin raw materials
- Suitable for residential and gardening applications
- Resistant to UV, acid and common agricultural chemicals
- The high thickness makes it suitable for use even on stony soils, while its great flexibility allows very tight bend without use of fittings.
- **no-drain ND**
The emitter closes at 0.15 (bar) to avoid water emission at the end of the irrigation cycle and to reduce the dripline filling time to the next irrigation cycle. Suitable for looping irrigation.
- **self-cleaning**
The anti-deposit silicone membrane and the large maze one guarantee the continuous cleaning of the dripper



Drip line specifications

Nominal diameter	Inside diameter (mm)	Wall thickness (mm)	MIL	Flow rate (l/h)	spacing (cm)	max lenght mt.	pressure (bar)
16	12.00	2.00	79	2.4	30	76	1.5
						87	2.0
						103	3.0

Fittings

PE starter 	4095	12
drill hole 10 mm		
Coupling 	4094	12
Elbow 	4093	12
Tee 	4092	12
End line 	4091	12