

## 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

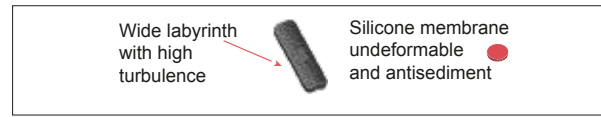
Nominal diameter	Inside diameter	Outside diameter	Wall thickness		Max pressure
	mm		MIL	mm	
<b>16</b>	<b>13.80</b>	15.80	<b>40</b>	1.00	3.50
		16.00	<b>44</b>	1.10	4.00
		16.20	<b>48</b>	1.20	4.00
<b>20</b>	<b>17.60</b>	19.60	<b>40</b>	1.00	3.50
		19.80	<b>44</b>	1.10	4.00
		20.00	<b>48</b>	1.20	4.00

### Maximum recommended length on flat terrain (mt)

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

### Dripper specifications

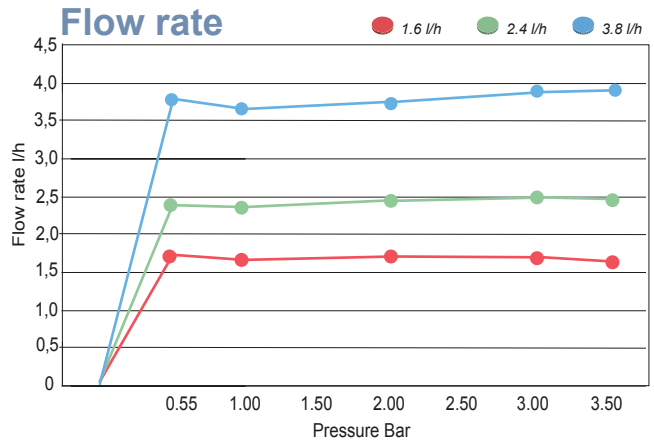
Nominal flow rate: (l/h) <b>1.6 - 2.4 - 3.8</b>
Standard spacing : (cm) <b>10 - 15 - 20 - 25 - 30 - 33 - 40 - 50</b>
Special spacing : groups by request



### Dripper data

<b>Nominal flow rate</b>	l/h	<b>1,60</b>	<b>2,40</b>	<b>3,80</b>	
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 <sup>2</sup>	37,37	37,37	37,37	
Filtration degree	mesh	150	120	120	
	micron	100	130	130	

\*only PC AS ND



### Packaging and shipping

Nominal diameter	16				20	
	reel (m)	25	50	100	500	100
pallet (reels)	small 84 100x120xh200 cm	small 50 100x120xh200 cm	small 44 114x114xh200 cm	small 10 80x160xh170 cm	small 44 114x114xh200 cm	small 10 80x160xh170 cm
	*maxi 120 100x120xh220 cm	*maxi 76 114x114xh245 cm	*maxi 60 114x114xh245 cm	*maxi 14 80x160xh240 cm	*maxi 60 114x114xh245 cm	*maxi 14 80x160xh240 cm
truck	*22 (pallets maxi) 2.640 (reels)	*22 (pallets maxi) 1.672 (reels)	*22 (pallets maxi) 1.320 (reels)	unpackaged 384 (reels)	*22 (pallets maxi) 1.320 (reels)	unpackaged 384 (reels)
container	10 (pallets small) 840 (reels)	10 (pallets small) 500 (reels)	10 (pallets small) 440 (reels)	unpackaged 160 (reels)	10 (pallets small) 440 (reels)	unpackaged 160 (reels)
container	*20 (pallets maxi) 2.400 (reels)	*20 (pallets maxi) 1.520 (reels)	*20 (pallets maxi) 1.200 (reels)	unpackaged 330 (reels)	*20 (pallets maxi) 1.200 (reels)	unpackaged 330 (reels)

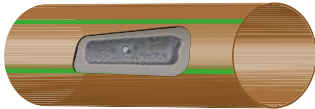
\* Only full load  
Indicative data

### 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

## 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)	flow rate (l/h)	spacing cm	max lenght mt.	pression (bar)
16	12.00	2.4	30	76	1.5
				87	2.0
				103	3.0

### Fittings

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