

**Drip line for landscape
with labyrinth dripper**

series:

4016 **black**

4020 **color**

4016 **brown**

4020 **color**



**with pressure
compensating dripper**

PC AS ND

series:

4516 **black**

4520 **color**

4516 **brown**

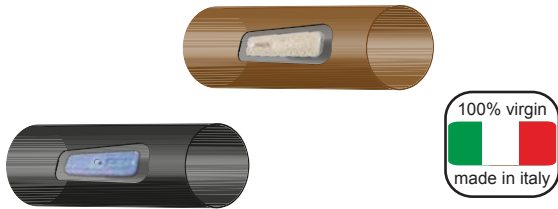
4520 **color**

4516 **violet**

4520 **color**



Drip line with labyrinth type dripper



Series :
4016 - 4020

- Made with 100% virgin raw material
- Suitable for residential and gardening applications
- Resistant to UV, acid and common agricultural chemicals
- Compact dripper welded to the inner wall of the dripline during the process of extrusion
- Large turbulent flow path prevents clogging
- Excellent uniformity of emission (CV)

Drip line specification

Nominal diameter	Inside diameter	Outside diameter	Wall thickness		Max pressure
			MIL	mm	
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

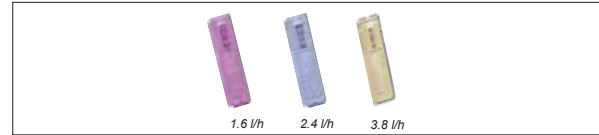


Maximum recommended length on flat terrain (m)

Nominal diameter	Inside diameter (mm)	Flow rate (l/h)								Pressure (bar)
			15	20	25	30	33	40	50	
16	13.80	1.6	80	99	116	132	141	161	188	1.0
			92	113	133	151	161	184	215	2.0
		2.4	61	76	89	101	108	124	144	1.0
			69	85	100	113	121	138	161	2.0
		3.8	45	56	66	75	80	92	107	1.0
			51	63	74	84	90	102	120	2.0
20	17.60	1.6	119	147	173	197	211	241	282	1.0
			135	168	198	225	241	276	323	2.0
		2.4	91	113	133	151	162	185	216	1.0
			101	126	148	169	181	207	242	2.0
		3.8	67	83	98	112	120	137	160	1.0
			75	93	110	125	134	153	179	2.0

Dripper specifications

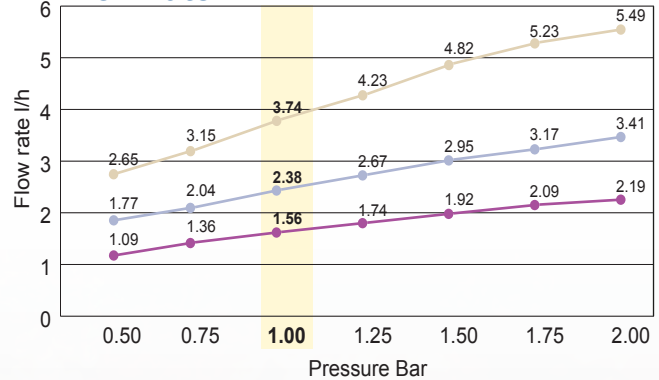
Nominal flow rate: (l/h) 1.6 - 2.4 - 3.8
Standard spacing : (cm) 10 - 15 - 20 - 25 - 30 - 33 - 40 - 50
Special spacing : groups by request



Dripper data

Nominal flow rate		l/h	1,60	2,40	3,80
Coefficient of variation CV		%	1,80	2,10	2,20
Exponent x			0,49	0,48	0,49
Maximum working pressure		bar	2,0	2,0	2,0
Minimum working pressure		bar	0,5	0,5	0,5
Dripper flow path	Depth	mm	0,70	0,75	0,97
	Width	mm	0,67	0,85	0,85
	Length	mm	106	104	64,4
Filtration degree	mesh		120	120	120
	micron		130	130	130

Flow rate



Packaging and shipping

Nominal diameter	16				20	
	25	50	100	500	100	300
reel (m)	25	50	100	500	100	300
pallet (reels)	small 84 100x120x200 cm	small 50 100x120x200 cm	small 44 114x114x200 cm	small 10 80x160x170 cm	small 44 114x114x200 cm	small 10 80x160x170 cm
	*maxi 120 100x120x220 cm	*maxi 76 114x114x245 cm	*maxi 60 114x114x245 cm	*maxi 14 80x160x240 cm	*maxi 60 114x114x245 cm	*maxi 14 80x160x240 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

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

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Drip line with pressure compensating dripper



Series :
4516 - 4520

- Made with 100% virgin raw materials
- Suitable for residential and gardening applications
- Resistant to UV, acid and common agricultural chemicals

Dripper available in the following styles:

- **pressure-compensating PC**
It keeps the same flow rate at different pressures in all the dripline emitters. Suitable for projects on slope.
- **anti-siphon AS**
It avoids the suction of debris during the dripline discharge. Suitable for sub-irrigation and soil laying projects. **Requires the installation of a double-acting vent valve on each sector.**
- **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

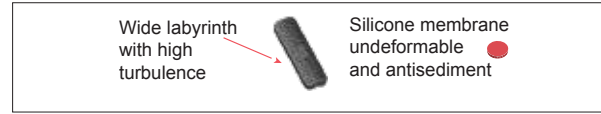
Nominal diameter	Inside diameter	Outside diameter	Wall thickness		Max pressure
	mm		MIL	mm	
16	13.80	15.80	40	1.00	3.50
		16.00	44	1.10	4.00
		16.20	48	1.20	4.00
20	17.60	19.60	40	1.00	3.50
		19.80	44	1.10	4.00
		20.00	48	1.20	4.00

Maximum recommended length on flat terrain (mt)

Nominal diameter	Inside diameter (mm)	Flow rate (l/h)	Pressure (bar)						
			1.5	2.0	2.5	3.0	3.3	4.0	5.0
16	13.80	1.6	69	88	106	122	132	153	181
			80	101	122	141	151	176	208
			95	121	145	167	181	210	249
		2.4	53	67	81	94	101	117	139
			61	77	93	108	116	135	160
			72	92	111	128	138	160	190
		3.8	39	50	60	70	75	87	103
			45	57	69	80	86	100	119
			54	68	82	95	103	119	141
20	17.60	1.6	99	127	154	179	193	224	267
			114	146	177	205	221	258	307
			136	174	210	244	264	307	366
		2.4	76	97	118	136	148	172	205
			87	112	135	157	169	198	235
			104	133	161	187	202	235	280
		3.8	56	72	87	101	110	128	152
			65	83	100	116	126	146	175
			77	98	119	138	149	174	208

Dripper specifications

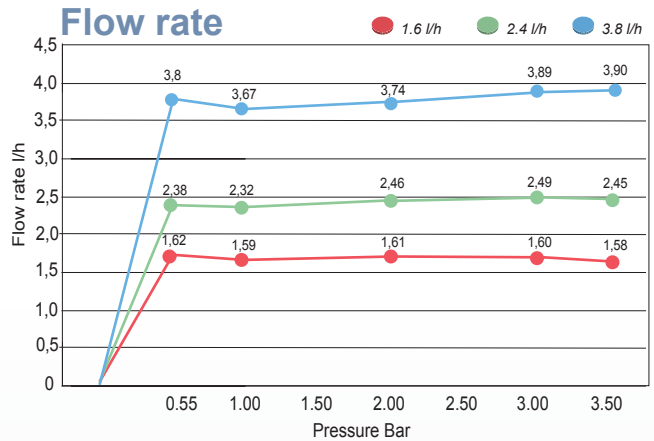
Nominal flow rate: (l/h) 1.6 - 2.4 - 3.8
Standard spacing : (cm) 10 - 15 - 20 - 25 - 30 - 33 - 40 - 50
Special spacing : groups by request



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



Packaging and shipping

Nominal diameter	16				20		
	reel (m)	25	50	100	500	100	300
pallet (reels)	small 84 100x120x200 cm	small 50 100x120x200 cm	small 44 114x114x200 cm	small 10 80x160x170 cm	small 44 114x114x200 cm	small 10 80x160x170 cm	
	*maxi 120 100x120x220 cm	*maxi 76 114x114x245 cm	*maxi 60 114x114x245 cm	*maxi 14 80x160x240 cm	*maxi 60 114x114x245 cm	*maxi 14 80x160x240 cm	
truck	*22 (pallets maxi) 2.640 (reels)	*22 (pallets maxi) 1.672 (reels)	*22 (pallets maxi) 1.320 (reels)	unpacked 384 (reels)	*22 (pallets maxi) 1.320 (reels)	unpacked 384 (reels)	
container	10 (pallets small) 840 (reels)	10 (pallets small) 500 (reels)	10 (pallets small) 440 (reels)	unpacked 160 (reels)	10 (pallets small) 440 (reels)	unpacked 160 (reels)	
container	*20 (pallets maxi) 2.400 (reels)	*20 (pallets maxi) 1.520 (reels)	*20 (pallets maxi) 1.200 (reels)	unpacked 330 (reels)	*20 (pallets maxi) 1.200 (reels)	unpacked 330 (reels)	

* Only full load

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