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## **PC PRESSURE CONTROL**

**Multi seasonal pressure-compensating dripperline**

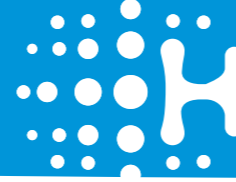
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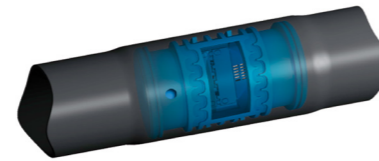
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## PC (PRESSURE CONTROL)

### Pressure-compensating dripline with injected drippers for seasonal irrigation

Suitable for installation on slopes, where long laterals are required and constant flow rate must be ensured all along the irrigation system with precise and accurate delivery of fertilizers.



### Technical features:

- The silicon membrane of the injected dripper ensure pressure-compensation regardless of pressure variation thus delivering equal amounts of water all along the laterals.
- The self-cleaning labyrinth improves clogging resistance and prevents accumulation of sediments and debris into drippers.
- Drippers' inlet filter reduces clogging risk even when using low quality water.
- Delivery points allow quick and easy installation with no need to check dripper's position, also they ensure a total emptying of pipes at the end of each irrigation schedule.

#### Pressure (bars) / flow rate (lph) relation

Model		Recommended filtration	0,5 bar	1,0 bar	1,5 bar	2,0 bar	2,5 bar	3,0 bar	3,5 bar	4,0 bar
Diam.	Flow rate									
Ø 16	1,10	155 Mesh	0,91	1,04	1,08	1,13	1,15	1,15	1,15	1,13
	1,60	155 Mesh	1,56	1,58	1,55	1,60	1,62	1,65	1,62	1,60
	2,10	155 Mesh	2,05	2,12	2,12	2,10	2,10	2,09	2,08	2,06
	2,90	155 Mesh	2,86	2,92	2,96	2,98	2,94	2,91	2,85	2,80
	3,80	155 Mesh	3,70	3,84	3,85	3,92	3,94	3,92	3,88	3,81
Ø 20	1,60	155 Mesh	1,54	1,57	1,61	1,66	1,66	1,64	1,60	1,54
	2,10	155 Mesh	2,05	2,10	2,16	2,20	2,16	2,11	2,06	2,02
	2,90	155 Mesh	2,78	2,95	3,04	3,03	3,03	3,01	2,96	2,92
	3,80	155 Mesh	3,65	3,92	3,85	3,92	3,96	3,97	3,96	3,90

#### Maximum lateral length in meters of PC Ø 16 - uniformity of water distribution 90% - slope 0°

Pressure compensating range from 0,5 to 4,0 bars											
Ø mm	Flow rate l/h	BARS	Distance between drippers cm								
			20	30	40	50	60	75	100	125	150
16	1,6	1,0	51	73	93	113	131	157	197	236	270
		2,0	75	108	139	168	195	234	294	351	403
		3,0	90	130	167	202	235	282	354	423	485
		4,0	102	146	188	228	265	318	400	478	548
	2,1	1,0	43	62	80	96	112	134	169	200	230
		2,0	64	92	119	144	167	200	252	299	343
		3,0	77	111	143	173	201	241	303	359	412
		4,0	87	125	161	195	227	272	342	406	466
	2,9	1,0	35	50	64	77	90	107	135	160	183
		2,0	51	74	95	115	133	160	201	238	273
		3,0	62	89	114	138	160	192	241	287	329
		4,0	70	100	129	156	181	217	273	324	371
	3,8	1,0	30	42	54	66	76	92	115	136	156
		2,0	44	63	81	98	114	136	171	203	233
		3,0	53	76	97	118	137	164	206	244	280
		4,0	59	85	110	133	154	185	233	276	317

#### Dripperline technical data of "PC - pressure control"

Outside Ø mm	Inside Ø mm	Wall thickness		Maximum working pressure	Coil length	Average weight	Dimensions Ø/h	Coil Volume
		MIL	mm					
16,0	13,8	44	1,10	4,0 bars	400 m	27 Kg	80 X 30 cm	0,13 m <sup>3</sup>
20,0	17,7	47	1,20	4,0 bars	300 m	22 Kg	80 X 30 cm	0,13 m <sup>3</sup>

#### Available distance between drippers / flow rates

Ø mm	Drippers spacing cm												
	30	33	35	40	50	60	75	80	90	100	110	125	150
16	1,1 - 1,6 - 2,1 - 2,9 - 3,8 liters/hour												
20	1,6 - 2,1 - 2,9 - 3,8 liters/hour												

#### Maximum lateral length in meters of PC Ø 20 - uniformity of water distribution 90% - slope 0°

Pressure compensating range from 0,5 to 4,0 bars											
Ø mm	Flow rate l/h	BARS	Distance between drippers cm								
			20	30	40	50	60	75	100	125	150
20	1,6	1,0	95	133	168	200	229	271	334	391	444
		2,0	141	198	250	297	342	404	498	583	662
		3,0	170	238	301	358	411	486	600	702	796
		4,0	193	271	341	406	467	552	680	792	900
	2,1	1,0	79	110	139	165	190	224	277	325	369
		2,0	117	165	207	247	284	335	413	484	550
		3,0	141	198	250	297	342	404	498	583	663
		4,0	161	227	285	340	391	462	570	659	749
	2,9	1,0	64	90	114	135	155	184	226	266	302
		2,0	96	134	169	201	232	274	337	396	450
		3,0	115	162	204	242	279	329	406	477	542
		4,0	131	184	232	276	317	375	462	539	612
	3,8	1,0	55	77	97	115	132	156	193	224	254
		2,0	82	114	144	171	197	233	287	334	379
		3,0	98	138	173	206	237	280	346	401	456
		4,0	111	155	196	233	268	317	391	454	516