

Hydro PC Flow Regulated Integral Drip Line



Operating guidelines

Constant inside diameter regardless of drip line wall thickness:

12mm - I.D. 10,4 mm
Wall thickness: 25, 35, 40 mil
(0,6, 0,9, 1,0 mm)
Flow rate: 1,05 lph

16mm - I.D. 13,8 mm
Wall thickness: 35, 40, 45 mil
(0,9, 1,0, 1,1 mm)

17mm - I.D. 15,3 mm
Wall thickness: 35, 40, 45, 47 mil
(0,9, 1,0, 1,1, 1,19 mm)

20mm - I.D. 17,6 mm
Wall thickness: 35, 40, 45, 47 mil
(0,9, 1,0, 1,1, 1,19 mm)
Flow rates: 1,2, 1,6, 2,2, 3,6 lph

Operating pressure range: 0,8-3,5 bar

Max. pressure according to wall thickness:

25 mil - 2,5 bar;
35 mil - 3,0 bar;
40 - 47 mil - 3,5 bar

Hydro PC is a drip line made with flow-regulating cylindrical drippers which allow growers to irrigate crops in a wide range of field conditions. Whether you're irrigating on a slope or as far as the eye can see, count on Hydro PC to deliver.

The Hydro PC drippers have sensitive floating diaphragms that regulate and maintain a constant flow rate at variable inlet pressures. Because Hydro PC has a large cross-sectional labyrinth and self-cleaning mechanism, it's highly resistant to clogging. And with two outlets per dripper, Hydro PC will continue to deliver the right amount of water, throughout the entire field.

The Hydro PC is constructed with premium resins resistant to UV degradation and damage caused from commonly used chemicals and fertilizers.

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Hydro PC 12 mm - 1,05 lph

Maximum recommended drip line length (m) on flat terrain

Flow rate (lph)	Dripper spacing (cm)	Pipe diameter 12 mm Drip line inlet pressure (bar)		
		1,0	2,0	2,5
1,05	15	28	49	55
1,05	20	36	63	70
1,05	30	52	90	101
1,05	40	65	114	129
1,05	50	78	137	154
1,05	60	90	158	178
1,05	75	107	189	212
1,05	100	132	234	264



Hydro PC 16, 17, 20 mm - Maximum recommended drip line length (m) on flat terrain

Flow Rate (lph)	Dripper Spacing (cm)	Pipe diameter 16 mm			Pipe diameter 17 mm			Pipe diameter 20 mm		
		Drip line inlet pressure (bar)								
		1,0	2,0	3,0	1,0	2,0	3,0	1,0	2,0	3,0
1,2	20	65	101	121	82	126	152	91	158	194
1,2	30	92	143	172	115	178	215	127	222	273
1,2	40	117	181	219	145	224	271	159	280	344
1,2	50	140	217	262	172	268	324	189	333	409
1,2	60	161	251	303	197	308	373	216	382	470
1,2	80	201	312	378	245	382	462	266	472	582
1,2	100	236	369	447	287	449	545	312	555	684
1,6	20	46	80	98	58	101	123	75	131	161
1,6	30	65	114	139	81	142	174	105	184	226
1,6	40	82	144	177	102	179	220	132	232	285
1,6	50	99	173	213	121	214	263	157	276	340
1,6	60	113	200	245	139	245	302	179	317	391
1,6	80	141	250	306	172	305	375	221	392	484
1,6	100	166	294	363	202	359	442	259	461	569
2,2	20	37	65	79	47	82	100	61	107	131
2,2	30	53	92	113	66	115	141	85	150	184
2,2	40	67	117	144	83	146	179	107	189	232
2,2	50	80	141	173	99	174	214	128	225	276
2,2	60	92	163	200	113	200	246	146	258	318
2,2	80	114	203	250	140	248	306	180	320	394
2,2	100	135	240	295	165	292	360	211	376	463
3,6	20	27	47	57	34	59	72	44	77	95
3,6	30	38	67	82	48	83	102	62	109	133
3,6	40	49	85	104	60	106	130	78	137	168
3,6	50	58	102	126	72	126	155	93	163	201
3,6	60	67	118	145	82	145	179	106	188	231
3,6	80	83	147	182	102	181	222	131	233	286
3,6	100	98	174	215	120	213	262	154	274	337