

Hydro PC Flow Regulated Integral Drip Line



Operating guidelines

Constant inside diameter regardless of drip line wall thickness:

12 mm - ID 10.4 mm
Wall thickness: 25, 35, 40 mil
(0.6, 0.9, 1.0 mm)
Flow rate: 1.05 lph

16 mm - ID 13.8 mm
Wall thickness: 35, 40, 45 mil
(0.9, 1.0, 1.1 mm)

17 mm - ID 15.3 mm
Wall thickness: 35, 40, 45, 47 mil
(0.9, 1.0, 1.1, 1.19 mm)

20 mm - ID 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

Maximum 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	3.0
1.05	15	28	49	60
	20	36	63	77
	30	52	90	110
	40	65	114	140
	50	78	137	169
	60	90	158	195
	75	107	189	232
	100	132	234	289



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	100	120	80	124	150	88	156	192
	30	92	142	171	112	175	212	123	218	269
	40	116	180	218	142	221	268	154	275	339
	50	139	216	261	168	264	320	184	328	404
	60	160	249	301	193	303	368	210	376	464
	75	189	296	358	228	359	436	248	444	548
	100	234	367	445	281	443	539	304	547	676
1.6	20	45	79	97	56	99	121	73	129	159
	30	63	112	137	79	139	171	102	181	223
	40	80	142	175	99	176	217	128	228	282
	50	96	171	210	118	210	259	153	272	336
	60	110	197	242	136	242	299	175	312	386
	75	131	233	288	160	286	353	206	369	456
	100	162	290	359	197	354	437	252	454	562
2.2	20	37	65	79	45	80	98	59	105	129
	30	52	92	113	64	113	139	83	147	181
	40	66	116	143	80	143	176	104	186	229
	50	79	140	172	96	171	211	124	221	273
	60	91	161	199	110	197	243	142	254	314
	75	108	192	236	130	233	287	167	300	371
	100	133	238	293	161	288	356	205	370	457
3.6	20	27	47	57	33	58	71	43	76	93
	30	38	66	81	46	82	101	60	107	131
	40	48	84	104	58	104	128	76	135	166
	50	58	102	125	70	124	153	90	161	199
	60	67	118	145	80	143	176	103	185	228
	80	79	140	172	95	170	210	122	219	270
	100	97	173	214	117	210	259	150	270	333