



Hydro P.C.

Flow-regulated integral dripline

A dripline with incorporated flow-regulated cylindrical drippers

Main features:

- Unique flow-regulating concept:
A wide effective labyrinth, leading into the flow control chamber, where a sensitive floating diaphragm regulates and maintains an equal flow rate at variable inlet pressure.
- Highly resistant to clogging due to the emitter's large water path labyrinth and filtration area being continuously flushed by the water flow
- Protected against UV degradation
- Resistant to chemicals and fertilizers commonly used in agriculture
- Complies with emission uniformity category class A (ISO 9261).

Specifications:

- Flow rates: 1.2, 1.6, 2.2, 3.6 lph
- Operating Pressure range: 0.8 - 3.5 bar
- Dripline diameters:
12mm, I.D. 10.4 mm (Flow rate: 1.15 lph)
16 mm, I.D. 13.8 mm
17mm, I.D. 15.3 mm
20mm, I.D. 17.6 mm
- Available in wall thickness of:
0.9, 1.0, 1.1, 1.15 mm (35 - 47 mil)
- Constant Inside Diameter (I.D.) regardless of dripline wall thickness

Applications:

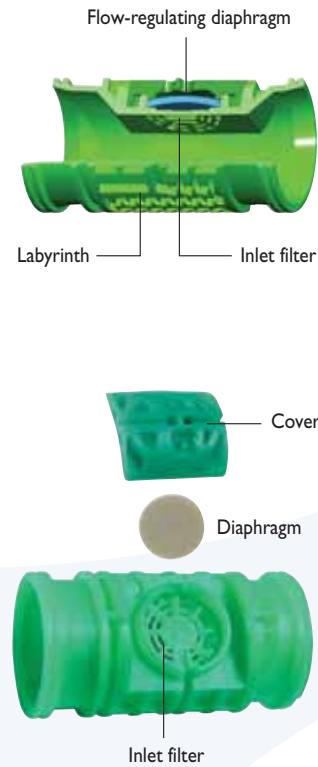
For all kinds of crops on undulating terrain or where long run driplines are required





Maximum Recommended Dripline Length (m) on Flat Terrain

Flow Rate (lph)	Emitter Spacing (m)	Dripline Inlet Pressure (bar)								
		Pipe Diameter I.D. 13.8 mm			Pipe Diameter I.D. 15.3 mm			Pipe Diameter I.D. 17.6 mm		
		1.0	2.0	3.0	1.0	2.0	3.0	1.0	2.0	3.0
1.2	0.2	65	101	121	81	126	151	107	165	199
	0.3	92	143	172	114	177	213	149	231	279
	0.4	117	181	219	144	223	270	187	291	352
	0.5	140	217	262	171	266	322	223	346	419
	0.6	161	251	303	197	306	370	255	397	481
	0.8	201	312	378	243	380	460	314	492	596
	1.0	236	369	447	286	447	542	369	578	700
1.6	0.2	46	80	98	58	101	123	96	140	167
	0.3	65	114	139	81	142	174	134	196	235
	0.4	82	144	177	102	179	220	168	247	296
	0.5	99	173	213	121	214	263	200	295	353
	0.6	113	200	245	139	245	302	229	338	405
	0.8	141	250	306	172	305	375	283	418	502
	1.0	166	294	363	202	359	442	332	492	590
2.2	0.2	37	65	79	43	80	99	57	105	130
	0.3	53	92	113	61	113	140	79	148	182
	0.4	67	117	144	76	144	177	99	186	230
	0.5	80	141	173	91	171	212	118	222	275
	0.6	92	163	200	104	197	244	135	255	316
	0.8	114	203	250	130	245	303	166	315	391
	1.0	135	240	295	152	288	357	195	371	460
3.6	0.2	27	47	57	31	58	72	41	76	94
	0.3	38	67	82	44	82	101	57	107	132
	0.4	49	85	104	56	104	129	72	135	167
	0.5	58	102	125	66	125	154	86	161	200
	0.6	67	118	145	76	143	178	98	185	230
	0.8	83	147	182	94	178	221	122	230	285
	1.0	98	174	215	111	210	260	142	270	335



Hydro PC 12 mm - 1.15 l/h

Maximum Recommended Dripline Length (m) on Flat Terrain

Pressure (bar)	Emitter Spacing (m)								
	0.15	0.20	0.30	0.40	0.50	0.60	0.75	0.80	1.00
1.0	25	33	46	59	70	81	96	101	119
2.0	47	60	86	110	131	152	181	190	224
2.5	53	68	97	124	148	172	205	214	254
3.0	57	74	106	135	162	188	224	235	278



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