

Hydro PC

Flow-regulated integral dripline



Hydro PC is a dripline made with flow-regulating cylindrical drippers which allow growers the ability 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. Hydro PC is ideal for fields with sloping terrain or long run lengths. 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.

Specifications

Constant Inside Diameter (I.D.) regardless of dripline wall thickness:

.47" (12 mm)- I.D. .41"
 Wall thickness: 25, 35, 40 mil (0.023, 0.035, .039 Inch)
 Flow rate: .28 gph

.630" (16mm) - I.D. .543"
 Wall thickness: 35, 40, 45 mil (0.023, 0.035, .043 Inch)

.670" (17mm) - I.D. .602"
 Wall thickness: 35, 40, 45, 47 mil (0.023, 0.035, 0.043, 0.047 Inch)

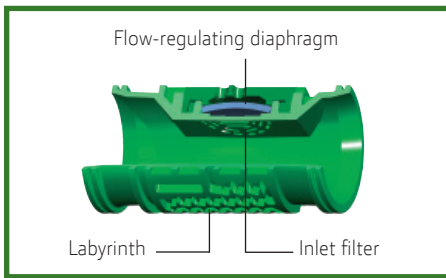
.787" (20mm) - I.D. .692"
 Wall thickness: 35, 40, 45, 47 mil (0.023, 0.035, 0.043, 0.047 Inch)

Flow rates: .32, .42, .58, .95 gph

Operating pressure range: 12-50 PSI

Pressure according to wall thickness:
 25 mil - 36 PSI; 35 mil - 43 PSI ;
 40-47 mil - 50 PSI

Applications: Crops on sloping terrain or where long run driplines are required



Hydro PC 16mm (.630"), 17mm (.669"), 20mm (.787")
 Maximum Recommended Dripline Length (Feet) on Flat Terrain

Flow Rate (gph)	Emitter Spacing (Inch)	Pipe Diameter 16 mm (.630")			Pipe Diameter 17 mm (.669")			Pipe Diameter 20 mm (.787")		
		Dripline Inlet Pressure (PSI)	14.5	29.0	43.5	14.5	29.0	43.5	14.5	29.0
0.317										
8	8	213	331	397	269	413	499	299	518	636
12	12	302	469	564	377	584	705	417	728	896
16	16	384	594	718	476	735	889	522	919	1128
20	20	459	712	859	564	879	1063	620	1092	1342
24	24	528	823	994	646	1010	1224	709	1253	1542
31	31	659	1023	1240	804	1253	1516	873	1548	1909
39	39	774	1210	1466	912	1473	1788	1023	1821	2244
0.423										
8	8	151	262	321	190	331	403	246	430	528
12	12	213	374	456	266	466	571	344	604	741
16	16	269	472	581	335	587	722	433	761	935
20	20	325	568	699	397	702	863	515	905	1115
24	24	371	656	804	456	804	991	587	1040	1283
31	31	463	820	1004	564	1001	1230	725	1286	1588
39	39	545	964	1191	663	1178	1450	850	1512	1867
0.581										
8	8	121	213	259	154	269	328	200	351	430
12	12	174	302	371	217	377	463	279	492	604
16	16	220	384	472	272	479	587	351	620	761
20	20	262	463	568	325	571	702	420	738	905
24	24	302	535	656	371	656	807	479	846	1043
31	31	374	666	820	459	814	1004	590	1050	1292
39	39	443	787	968	541	958	1181	692	1233	1519
0.951										
8	8	89	154	187	112	194	236	144	253	312
12	12	125	220	269	157	272	335	203	358	436
16	16	161	279	341	197	348	426	256	449	551
20	20	190	335	410	236	413	508	305	535	659
24	24	220	387	476	269	476	587	348	617	758
31	31	272	482	597	335	594	728	430	764	938
39	39	321	571	705	394	699	859	505	899	1105

Hydro PC 12mm (.472") - .278 gph
 Maximum Recommended Dripline Length (m) on Flat Terrain

Pressure (PSI)	Emitter Spacing (Inch)							
	6	8	12	16	20	24	30	39
14.5	92	118	171	213	256	295	351	433
29	161	207	295	374	449	518	620	768
36	180	230	331	423	505	584	695	866

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