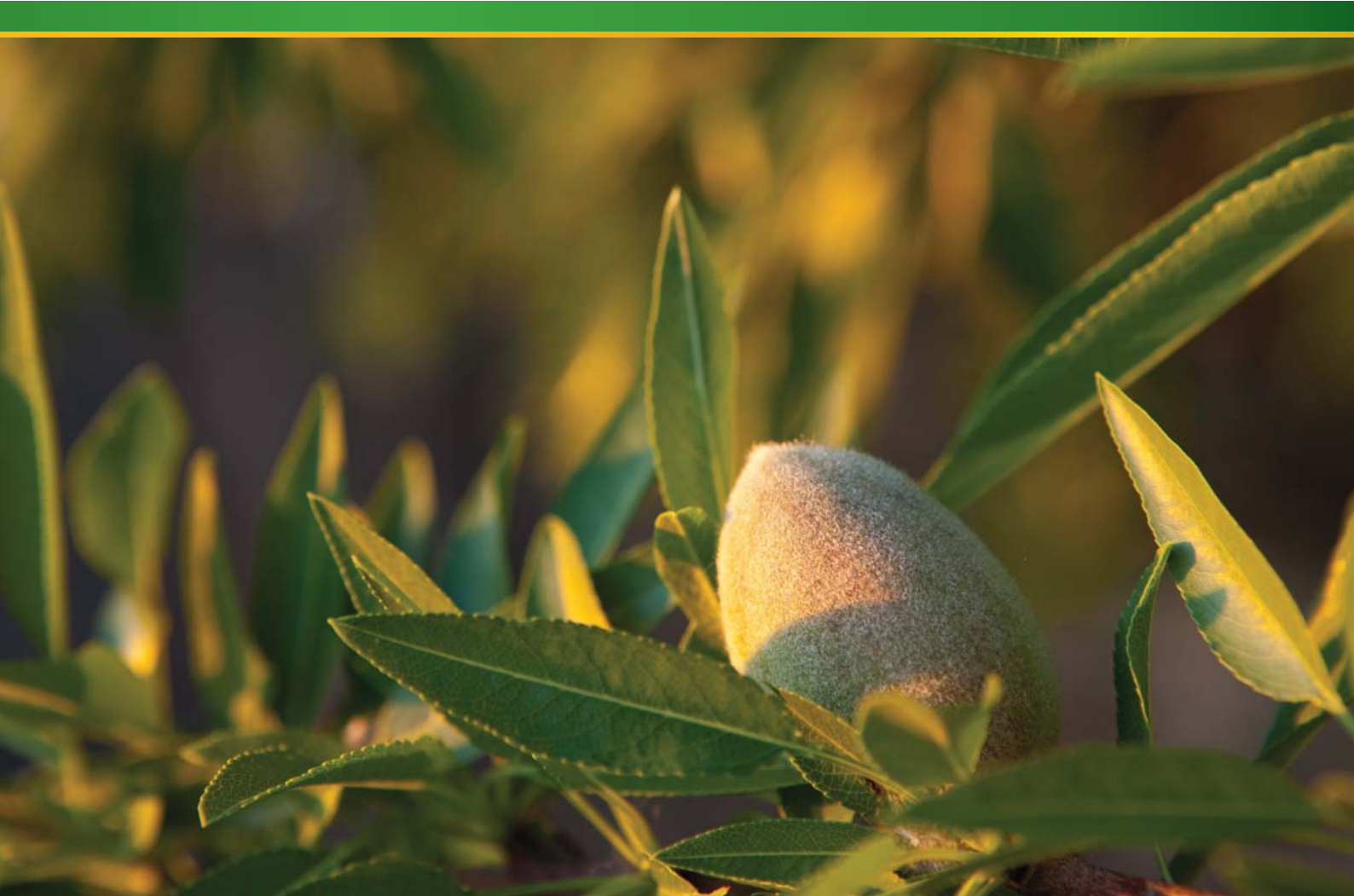


Hydro PC

Flow-regulated integral dripline



JOHN DEERE
WATER



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:

- 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)

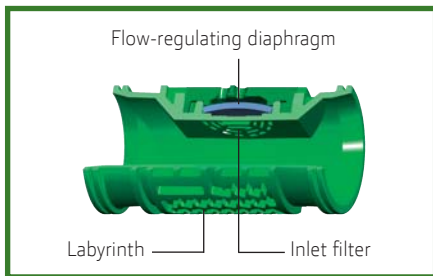
- 20mm - I.D. 17.6 mm
Wall thickness: 35, 40, 45, 47 mil (0.9, 1.0, 1.1, 1.19 mm)

Flow rates: 1.2, 1.6, 2.2, 3.6 lph

Operating pressure range: 0.8-3.5 bar

Pressure according to wall thickness:
25 mil - 2.5 bar; 35 mil - 3.0 bar;
40-47 mil - 3.5 bar

Applications: Crops on sloppy fields or where long run driplines are required



Hydro PC 16, 17, 20 mm
Maximum Recommended Dripline Length (m) on Flat Terrain

Flow Rate (lph)	Emitter Spacing (m)	Pipe Diameter 16 mm			Pipe Diameter 17 mm			Pipe Diameter 20 mm		
		Dripline Inlet Pressure (bar)								
		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	82	126	152	91	158	194	
0.3	92	143	172	115	178	215	127	222	273	
0.4	117	181	219	145	224	271	159	280	344	
0.5	140	217	262	172	268	324	189	333	409	
0.6	161	251	303	197	308	373	216	382	470	
0.8	201	312	378	245	382	462	266	472	582	
1.0	236	369	447	278	449	545	312	555	684	
1.6										
0.2	46	80	98	58	101	123	75	131	161	
0.3	65	114	139	81	142	174	105	184	226	
0.4	82	144	177	102	179	220	132	232	285	
0.5	99	173	213	121	214	263	157	276	340	
0.6	113	200	245	139	245	302	179	317	391	
0.8	141	250	306	172	305	375	221	392	484	
1.0	166	294	363	202	359	442	259	461	569	
2.2										
0.2	37	65	79	47	82	100	61	107	131	
0.3	53	92	113	66	115	141	85	150	184	
0.4	67	117	144	83	146	179	107	189	232	
0.5	80	141	173	99	174	214	128	225	276	
0.6	92	163	200	113	200	246	146	258	318	
0.8	114	203	250	140	248	306	180	320	394	
1.0	135	240	295	165	292	360	211	376	463	
3.6										
0.2	27	47	57	34	59	72	44	77	95	
0.3	38	67	82	48	83	102	62	109	133	
0.4	49	85	104	60	106	130	78	137	168	
0.5	58	102	125	72	126	155	93	163	201	
0.6	67	118	145	82	145	179	106	188	231	
0.8	83	147	182	102	181	222	131	233	286	
1.0	98	174	215	120	213	262	154	274	337	

Hydro PC 12 mm - 1.05 lph
Maximum Recommended Dripline Length (m) on Flat Terrain

Pressure (bar)	Emitter Spacing							
	0.15	0.20	0.30	0.40	0.50	0.60	0.75	1.00
1.0	28	36	52	65	78	90	107	132
2.0	49	63	90	114	137	158	189	234
2.5	55	70	101	129	154	178	212	264

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