



Hydro PC & Hydro PC NDI2mm

Flow-regulated integral dripline

The exclusive 12mm integral dripline with incorporated flow regulated cylindrical drippers

Main features:

- A wide, effective labyrinth leading into the flow control chamber, where a sensitive floating diaphragm regulates and maintains a constant flow rate at variable inlet pressures.
- Resistant to clogging - The emitter inlet filter, placed close to the dripline inside center, ensures an excellent continuous flushing process.
- The small diameter dripline improves irrigation efficiency:
 - Reduced stored water, thus shorter refilling time and less drained water
 - On slopes, no excessive wetting in the lower parts
- The small diameter dripline and the 600m long reel allow easy and efficient deployment and retrieval.
- Competitive price and great saving on transportation
- Highly durable dripline. Its small diameter improves its resistance to physical damage.
- Conforms to emission uniformity standard ISO 9261

Specifications:

- Available in two models:
 - PC 12 mm - 1.05 lph
 - PC ND 12mm (No-Drain) - 1.05 lph
 Keeps the driplines filled when water is turned off.
 No-drain sealing pressure: 0.12 bar
- O.D: 12 mm; I.D: 10.4 mm
- Wall thickness: 0.6, 0.9, 1.0 mm (25, 35 & 40 mil)
- Constant inside diameter (I.D.) regardless of dripline wall thickness
- Maximum operating pressure according to wall thickness:
 - 0.6 mm: 2.5 bar; 0.9 or 1.0 mm: 3.0 bar
- Color: black or white, available in purple for reclaimed water
- Emitter spacing: on request, from 15 to 100 cm

Applications:

- Most suitable dripline for irrigation in tunnels and shadehouses
- Ideal for drip irrigation in landscape and home gardens
- PC ND - Ideal for pulse irrigation in greenhouses



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INTEGRAL DRIPLINES



Hydro PC & PCND 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
3.5	60	77	110	140	169	195	232	289



Its low profile makes the PC 12 mm a tailor-made product for curved, angular or narrow planting areas.



PC mechanism

The diaphragm closes in flat position and the driplines are drained.



PC ND mechanism

The no-drain diaphragm closes in convex position and the driplines remain filled with water.



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