

EXCEL™ PCD Series

Dual-Outlet 18 mm Dripline



EXCEL™ PCD Series Dripline

Excel™ PCD, 1/2" 18 mm Pressure Compensating Dripline is a precise pressure compensating dripline with dual outlets in each emitter. The cylindrical drip emitters are designed with a floating diaphragm to regulate and maintain a consistent flow rate at variable inlet pressures between 12 to 50 PSI. Excel™ PCD Dripline's excellent performance at a range of operating pressures presents many advantages in site preservation and system efficiency, supporting trouble-free operation and a long life.

Dual Outlets

- Dual outlets on opposing sides ensures continuous discharge and supports redundancy of the drip emitter performance

High Uniformity

- Precise application of water delivered over a wide pressure range
- Consistent self flushing during irrigation, ensuring consistent operation

Superior Burst Strength

- Superior burst strength, flexibility and environmental stress-cracking resistance
- Made with post-industrial recycled material layers



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Specifications

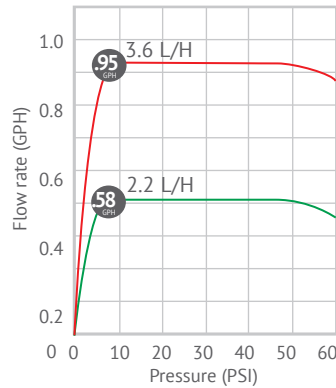
- Operating pressure: 12-50 PSI (.8-3.4 BAR)
- Flow rates:
 - .58 GPH (2.2 L/H)
color code - yellow emitter
 - .95 GPH (3.6 L/H)
color code - white emitter
- Color options: black or brown roll
- Size: .600" ID x .700" OD (15 mm ID x 18 mm OD)
- Spacing: 12", 18", 24", 30" and 36" (30 cm, 45 cm, 60 cm, 75 cm and 90 cm)
- Lengths: 100', 250', 500' and 1000' coils (30 m, 75 m, 150 m and 300 m)
- Minimum bending radius: 1' (30 cm)
- Filter requirement: minimum of 150 mesh
- Materials: polyethylene resin



Dual auxiliary outlets on opposing sides, assuring continuous discharge from each drip emitter along the line



Flow rate vs pressure



Maximum single lateral length 18 mm (PC) dripline (.600" ID x .700" OD)

Pressure PSI (BAR)	Dripper spacing		
	12" (30 cm)	18" (46 cm)	24" (61 cm)
Flow rate .58 GPH (2.2 L/H)			
15 PSI (1.0)	238' (73 m)	299' (91 m)	396' (121 m)
25 PSI (1.7)	335' (102 m)	468' (143 m)	609' (186 m)
35 PSI (2.4)	396' (121 m)	564' (172 m)	736' (224 m)
45 PSI (3.1)	487' (148 m)	644' (196 m)	820' (250 m)
Flow rate .95 GPH (3.6 L/H)			
15 PSI (1.0)	190' (58 m)	232' (71 m)	328' (100 m)
25 PSI (1.7)	244' (74 m)	364' (111 m)	438' (134 m)
35 PSI (2.4)	309' (94 m)	432' (132 m)	537' (164 m)
45 PSI (3.1)	340' (104 m)	498' (152 m)	584' (178 m)

2" Heavy-Duty Plastic Screen Filter

- Robust housing design with reinforced bodies and an easy-to-remove cover
- Large filtration area ensures high performance and long life
- Inline or "T" angle configurations with up to 110 GPM

How to specify

Model	Description	Color
18 mm PC dripline		
A5-XXB	1000' - .58 GPH 300 m - 2.2 L/h	Black
A1-XXB	1000' - .95 GPH 300 m - 3.6 L/h	Black
XX = dripper spacing		
example: A5-XXB		
9	= 9" (23 cm)	
12	= 12" (30 cm)	
18	= 18" (45 cm)	
24	= 24" (60 cm)	
A5-12B	30 = 30" (75 cm)	

Compression Fittings

COMPRESSION COUPLING

24-002 .700" OD



COMPRESSION TEE

24-003 .700" OD



COMPRESSION ELBOW

24-004 .700" OD



3/4" FEMALE COMPRESSION END CAP

24-005 .700" OD



3/4" FEMALE ADAPTER X WASHER

24-006 .700" OD



3/4" MALE COMPRESSION ADAPTER

24-025 .700" OD



3/4" FEMALE TEE X WASHER

24-064 .700" OD

