

EXCEL™ PCD CV Series

17 mm Pressure Compensating Dripline with Check Valve



EXCEL™ PCD CV Series 17 mm Dripline

The Excel™ PCD CV Series pressure compensating dripline with check valve is designed and manufactured to meet the needs of today's irrigation efficiency requirements, while providing trouble-free operation and long life with optimum plant growth.

Features

- Superior burst strength, flexibility and environmental stress-cracking resistance
- Emitters provide continuous self-flushing feature during the irrigation cycle ensuring consistent operation
- Flow uniformity regardless of operation pressure and variation along the line
- Two outlets per emitter form a physical barrier to root and debris intrusion



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Flow rate per 100' (30 m)

flow rate .6 GPH

dripper spacing:	GPM	L/M	GPH	L/H
12" (30 cm)	1.00	3.79	60	227
18" (46 cm)	0.67	2.54	40	151
24" (61 cm)	0.50	1.89	30	114

flow rate 1.0 GPH

12" (30 cm)	1.67	6.32	100	379
18" (46 cm)	1.11	4.2	67	254
24" (61 cm)	0.83	3.14	50	189

Maximum single lateral length

dripper spacing

pressure PSI (BAR)	12" (30 cm)	18" (46 cm)	24" (61 m)
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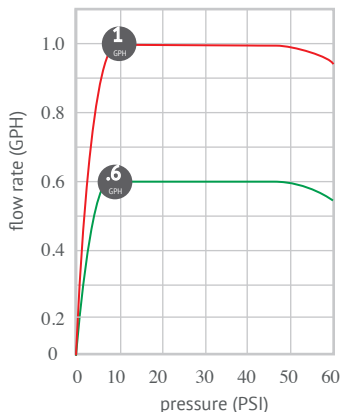
flow rate .6 GPH (2.3 L/H)

15 PSI (1)	215' (66 m)	244' (74 m)	370' (113 m)
25 PSI (1.7)	304' (93 m)	406' (124 m)	482' (147 m)
35 PSI (2.4)	343' (105 m)	459' (140 m)	617' (188 m)
45 PSI (3.1)	442' (135 m)	548' (167 m)	772' (235 m)

flow rate 1.0 GPH (3.8 L/H)

15 PSI (1)	145' (44 m)	221' (67 m)	294' (90 m)
25 PSI (1.7)	185' (56 m)	294' (90 m)	403' (123 m)
35 PSI (2.4)	248' (76 m)	347' (106 m)	479' (146 m)
45 PSI (3.1)	287' (87 m)	413' (126 m)	512' (156 m)

Flow rate vs. pressure



EXCEL™ PCD Dripline

100' PC DRIPLINE WITH CV

A5-112P-CV	12" spacing, .6 GPH, .670" OD
A5-118P-CV	18" spacing, .6 GPH, .670" OD
A1-112P-CV	12" spacing, 1 GPH, .670" OD
A1-118P-CV	18" spacing, 1 GPH, .670" OD

250' PC DRIPLINE WITH CV

A5-212P-CV	12" spacing, .6 GPH, .670" OD
A5-218P-CV	18" spacing, .6 GPH, .670" OD
A5-224P-CV	24" spacing, .6 GPH, .670" OD
A1-212P-CV	12" spacing, 1 GPH, .670" OD
A1-218P-CV	18" spacing, 1 GPH, .670" OD
A1-224P-CV	24" spacing, 1 GPH, .670" OD

500' PC DRIPLINE WITH CV

A5-512P-CV	12" spacing, .6 GPH, .670" OD
A5-518P-CV	18" spacing, .6 GPH, .670" OD
A5-524P-CV	24" spacing, .6 GPH, .670" OD
A1-512P-CV	12" spacing, 1 GPH, .670" OD
A1-518P-CV	18" spacing, 1 GPH, .670" OD
A1-524P-CV	24" spacing, 1 GPH, .670" OD

1000' PC DRIPLINE WITH CV

A5-12P-CV	12" spacing, .6 GPH, .670" OD
A5-18P-CV	18" spacing, .6 GPH, .670" OD
A5-24P-CV	24" spacing, .6 GPH, .670" OD
A1-12P-CV	12" spacing, 1 GPH, .670" OD
A1-18P-CV	18" spacing, 1 GPH, .670" OD
A1-24P-CV	24" spacing, 1 GPH, .670" OD

3/4" AC & DC Drip Zone Assembly

P40-075

30 PSI, 3/4" drip zone with 24VAC solenoid and 155-mesh poly screen filter
Recommended flow rate range: 0.10-13 GPM (.37-49 L/M)



P55-100

30 PSI, 1" drip zone with 24VAC solenoid and 155-mesh SS screen filter
Recommended flow rate range: 2-18 GPM (8-68 L/M)



PRF-25-100

1" MNPT Y filter with 155-mesh screen, 25-PSI preset pressure regulator and flush cap
Flow rate range: .5 - 10 GPM (2-38 L/M)



1/2" Tubing Stakes

16-062	heavy duty stake
16-057	galvanized steel wire



Air Relief Valve

18-028	1/2" air vacuum relief valve
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Ball Valve

28-007	17 mm barbed ball valve
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Hole Punch

16-063	barb connector hole punch
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Poly Distribution Tubing

31-016B	1/2" brown, 100', .570" ID x .670" OD
31-017B	1/2" brown, 250', .570" ID x .670" OD
31-018B	1/2" brown, 500', .570" ID x .670" OD



17mm Barbed & Insert Fittings

COUPLING

15-040	.600" ID
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TEE

15-041	.600" ID
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ELBOW

15-042	.600" ID
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1/2" MALE X BARB

15-046	.600" ID
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3/4" MALE X BARB

15-049	.600" ID
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1/2" ELBOW X BARB

15-047	.600" ID
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PVC STARTER CONNECTOR

15-048	.600" ID with O-ring
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BARBED CROSS

15-061	.600" ID
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1/2" MALE TEE X BARB

15-043	.600" ID
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3/4" MALE TEE X BARB

15-044	.600" ID
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3/4" FEMALE TEE X BARB

15-045	.600" ID
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POLY BARB CONNECTOR

15-065	.600" ID
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3/4" MALE X BARB "Y"

15-063	.600" ID
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1/2" PVC COMPRESSION INSERT

15-067	.670" OD
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Micro Pop-Up Indicators

12" POP-UP INDICATOR WITH 1/2" MPT
DSPI-12



8" POP-UP INDICATOR WITH 1/2" MPT
DSPI-08



12" POP-UP INDICATOR WITH 1/4" BARBED ELBOW
DSPI-12B



8" POP-UP INDICATOR WITH 1/4" BARBED ELBOW
DPSI-08B

