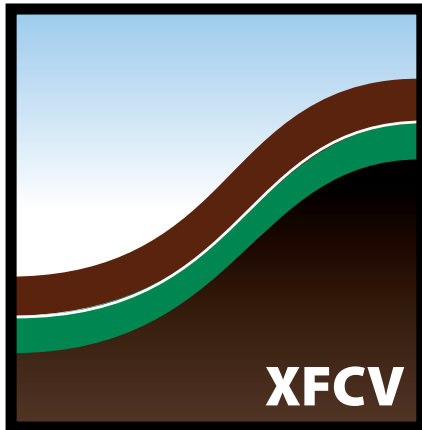


XFCV Dripline with Heavy-Duty Check Valve

Dripline Series



SLOPES

Applications

Rain Bird® XFCV Dripline with a heavy-duty 3.5 psi check valve for on-surface applications is a valuable addition to the Rain Bird XF Series of Dripline. Rain Bird's XFCV is the most effective dripline in the industry addressing applications where elevation changes exist. Rain Bird's patent-pending check valve keeps the dripline charged in elevation changes to 8 feet, Rain Bird's XFCV can be used where no other dripline will work.

Keeping water in the dripline at all times helps for better uniformity of irrigating the plants throughout the entire zone. The check valve also helps to prevent over-watering at the low-point in the zone, avoiding puddling from water draining from the dripline.

It accepts Rain Bird Easy Fit Compression Fittings, XF Dripline Barbed Insert Fittings and other 17 mm barbed insert fittings.

Features

Simple

- Rain Bird's patent-pending 3.5 psi check valve technology keeps the dripline charged with water at all times, increasing uniformity of watering, and conserves water by eliminating the need to recharge the line at the beginning of each watering cycle

- Through the use of a proprietary tubing material, the XFCV Dripline with heavy-duty check valve is the most flexible dripline tubing in the industry, making it the easiest dripline to design with and install

- It accepts Rain Bird Easy Fit Compression Fittings, XF Dripline Barbed Insert Fittings and other 17 mm barbed insert fittings

- Rain Bird's low-profile emitter design reduces in-line pressure loss, allowing longer lateral runs, simplifying design and reducing installation time

- Variety of emitter flow rates, emitter spacing and coil lengths provide design flexibility for on-surface areas with or without elevation changes

Made with Recycled Content

- All Rain Bird XF Dripline (XFD, XFS, XFCV) qualify for LEED credit 4.2 because they contain at least 20% Polyethylene post consumer recycled material by cost. These come in an assortment of coil sizes, flow rates and emitter spacing

Reliable

- The pressure-compensating emitter design provides a consistent flow over the entire lateral length ensuring higher uniformity for increased reliability in the pressure range of 20 to 60 psi

Durable

- Dual-layered tubing (brown over black) provides unmatched resistance to chemicals, algae growth and UV damage

Grit Tolerant

- Rain Bird's proprietary emitter design resists clogging by use of an extra wide flow path combined with a self-flushing action

Operating Range

- **Opening Pressure:** 14.5 psi (1,0 bar)
- **Pressure:** 20 to 60 psi (1,38 to 4,14 bar)
- **Flow rates:** 0.6 and 0.9 gph (2,3 l/hr and 3,5 l/hr)
- **Temperature:**
 - Water:** Up to 100°F (37,8° C)
 - Ambient:** Up to 125°F (51,7° C)

Specifications

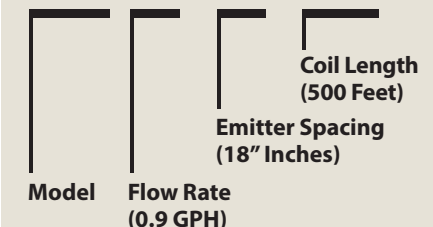
- **OD:** 0.634"
- **ID:** 0.536"
- **Thickness:** 0.049"
- **12" & 18" (30,5 cm & 45,7 cm) spacing**
- **Coil lengths:** 100' and 500' (30,5 m, and 152,4 m) coils
- **Coil Color:** Brown

Models

- XFCV0612100
- XFCV0612500
- XFCV0618100
- XFCV0618500
- XFCV0912100
- XFCV0912500
- XFCV0918100
- XFCV0918500

How To Specify

XFCV - 09 - 18 - 500





Specifications

The flexible polyethylene tubing shall have factory installed pressure-compensating, inline emitters spaced evenly per listed spacing. The flow rate from each installed inline emitter shall be 0.6 or 0.9 gallons per hour when inlet pressure is between 20 and 60 psi. The inline emitter shall have a pressure-regulating diaphragm with a spring action allowing it to self-rinse if there is a plug at the outlet hole. The flexible tubing allows for easy non-linear installations.

The inline emitter shall have an automatic check valve that will seal the line at 3.5 psi. The inline emitter inlet shall be raised off the inside tube wall to minimize dirt intrusion.

The XFCV Dripline inline tubing shall be manufactured by Rain Bird Corporation, Azusa, California.

XFCV Dripline Maximum Lateral Length

FEET		
Inlet Pressure (psi)	Maximum Lateral Length (feet)	
12" Spacing		
Nominal Flow (GPH):		
	0.6	0.9
20	192	136
30	289	205
40	350	248
50	397	281
60	436	309

18" Spacing		
Nominal Flow (GPH):		
	0.6	0.9
20	254	215
30	402	337
40	498	416
50	573	477
60	637	529

METERS		
Inlet Pressure (bars)	Maximum Lateral Length (meters)	
30,5 cm Spacing		
Nominal Flow (l/h):		
	2,3	3,5
1,38	58,5	41,5
2,07	88	62,5
2,76	107	75,6
3,45	121	85,6
4,14	133	94,2

45,7 cm Spacing		
Nominal Flow (l/h):		
	2,3	3,5
1,38	77,4	65,5
2,07	122,5	102,7
2,76	151,8	126,8
3,45	174,7	145,4
4,14	194,2	161,2

* When using 17mm insert fittings with design pressure over 50 psi, it is recommended that stainless steel clamps be installed on each fitting.



LEED Compliant

Contains at least 20% post consumer recycled polyethylene which qualifies for LEED credit 4.2



Rain Bird's Professional Customer Satisfaction Policy

XF Series Dripline offers five (5) years on product workmanship and seven (7) years on environmental stress cracking

Rain Bird Corporation
6991 E. Southpoint Road
Tucson, AZ 85756
Phone: (520) 741-6100
Fax: (520) 741-6522

Rain Bird Corporation
970 West Sierra Madre Avenue
Azusa, CA 91702
Phone: (626) 812-3400
Fax: (626) 812-3411

Rain Bird International, Inc.
1000 West Sierra Madre Ave.
Azusa, CA 91702
Phone: (626) 963-9311
Fax: (626) 852-7343

Rain Bird Technical Services
(800) RAINBIRD (1-800-724-6247)
(U.S. and Canada)

Specification Hotline
800-458-3005 (U.S. and Canada)

The Intelligent Use of Water™
www.rainbird.com