

## XFS-CV Dripline

### With Copper Shield™ Technology and Heavy-Duty Check Valve

#### Applications

Rain Bird® XFS-CV dripline features Copper Shield Technology and a heavy-duty 4.3 psi (0.3 bar) check valve, making it perfect for sub-surface and on-surface applications with level grades or slopes. A check valve in every emitter keeps the dripline charged in elevation changes up to 10 feet (3 m), XFS-CV can be used where no other dripline will work.

Keeping water in the dripline results in better irrigation uniformity throughout the zone. The check valve also helps prevent puddling and oversaturated soil at the low point in the zone.

#### Features

##### Industry-Leading Protection

Rain Bird's XFS-CV dripline with patented Copper Shield Technology™ protects the emitter from root intrusion. Unlike other manufacturers who use harsh chemicals or diluted copper compounds encapsulated in plastic, the Copper Shield Technology from Rain Bird provides root intrusion protection with a pure copper chip at each emitter

Rain Bird's industry leading 4.3 psi (0.3 bar) emitter check valve technology keeps the dripline charged with water when elevation changes are up to 10 feet (3 m), increasing uniformity of watering and conserving water by eliminating the need to recharge the line at the beginning of each irrigation cycle

##### Easy to Use

Through the use of a proprietary tubing material, the XFS-CV dripline is the most flexible dripline tubing in the industry, making it the easiest dripline to design with and install

It accepts Rain Bird® 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
- A variety of industry standard emitter flow rates, emitter spacing and coil lengths provide design flexibility for applications with or without elevation changes

##### 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 (1.38 to 4.14 bar)

##### Durable

Dual-layered tubing (copper 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

##### Made with Recycled Content

All Rain Bird XF Dripline products qualify for LEED credit 4.2 because they contain at least 20% polyethylene post-consumer recycled material by cost

##### 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)
- Filtration Requirement:** 120 mesh
- Temperature:**
  - Water: Up to 100° F (37.8° C)
  - Ambient: Up to 125° F (51.7° C)



#### Specifications

- OD:** 0.634" (16.1 mm)
- ID:** 0.536" (13.6 mm)
- Thickness:** 0.049" (1.2 mm)
- Spacing:** 12", 18", & 33 cm (30.5 cm, 45.7 cm, and 33 cm)
- Coil Lengths:** 100', 250', 100 m, 500', and 1000' (special order) (30.5 m, 76.5 m, 100 m, 152.4 m, and 304.9 m)
- Coil Color:** Copper, Purple and Purple Stripe

#### Dripline Models

- XFSCV0612100
- XFSCV0612250
- XFSCV0612500
- XFSCV0618250
- XFSCV0618500
- XFSCV0912100
- XFSCV0912250
- XFSCV0912500
- XFSCV0918250
- XFSCV0918500
- XFSCVP612500
- XFSCVP618500
- XFSCVP912500
- XFSCVP918500
- XFSCVPS612500
- XFSCVPS618500
- XFSCVPS912500
- XFSCVPS918500
- XFSCV2333100

1,000' coils available via special order



Pure Copper Root Protection



Industry-Leading Check Valves

#### How to Specify

### XFS-CV-06-12-100

**Model**  
Xeri-Flex  
Subsurface

CV = Check Valve  
CVP = Purple  
CVPS = Purple Stripe

**Coil Length**  
100 = 100' (30.5 m)  
250 = 250' (76.2 m)  
500 = 500' (152.4 m)  
100 = 100 m for  
33 cm spacing

**Emitter Spacing**  
12 = 12 inches (30.5 cm)  
18 = 18 inches (45.7 cm)  
33 = 33 cm (13 inches)

**Flow Rate**  
06 = 0.61 gph (2.3 l/h)  
09 = 0.92 gph (3.5 l/h)  
23 = 2.3 l/h (0.6 gph)



## Specifications

The flexible, copper-colored 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 gph (2.3 or 3.5 l/h) when inlet pressure is between 20 and 60 psi (1.38 to 4.14 bar).

The inline emitter shall have Copper Shield Technology with a pure copper chip at each emitter to protect the emitter from root intrusion. The emitter shall be raised off the inside tube wall to minimize dirt intrusion. Each emitter shall have an automatic check valve that will seal the line at 4.3 psi (0.3 bar).

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 XFS-CV dripline shall be manufactured by Rain Bird Corporation.

## LEED Compliant



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

## XFS-CV Dripline Maximum Lateral Length

Inlet Pressure (psi)	Feet	
	0.6 GPH	0.9 GPH

### 12" Spacing

20	192	136
30	289	205
40	350	248
50	397	281
60	439	309

### 13" Spacing

20	276	-
30	335	-
40	377	-
50	410	-
60	449	-

### 18" Spacing

20	254	215
30	402	337
40	498	416
50	573	477
60	637	529

Inlet Pressure (bar)	Meters	
	2.3 l/h	3.5 l/h

### 30.5 cm Spacing

1.38	59	41
2.07	88	63
2.76	107	76
3.45	121	86
4.14	133	94

### 33 cm Spacing

1.38	84	-
2.07	102	-
2.76	115	-
3.45	125	-
4.14	137	-

### 45.7 cm Spacing

1.38	77	66
2.07	123	103
2.76	152	127
3.45	175	145
4.14	194	161

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

## The Rain Bird Difference

Install XFS-CV dripline with confidence, knowing it's backed by one of the biggest names in irrigation, with over 10 years of research and some of the strongest warranties in the industry.



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