

## XFS-CV DRIPLINE - SPECIFICATIONS

### Applications

Rain Bird® XFS-CV dripline features Copper Shield™ Technology and a heavy-duty 4.3 psi check valve, making it perfect for subsurface 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, XFS-CV can be used where no other dripline will work.

Keeping water in the dripline at all times helps for 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 emitter check valve technology keeps the dripline charged with water when elevation changes are up to 10 feet, 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

### 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 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 mm)
  - **ID:** 0.536" (13.61 mm)
  - **Thickness:** 0.049" (1.25 mm)
  - **Emitter spacing:** 12" & 18" (30,5 & 45,7 cm)
  - **Coil lengths:**  
100', 250', 500', and 1000' (special order)  
(30,5, 76,5, 152,4, and 304,9 m)
  - **Coil color:** Copper, Purple and Purple Stripe
- 1,000' coils available via special order

### Models

- XFSCV0612100
- XFSCV0612250
- XFSCV0612500
- XFSCV0618100
- XFSCV0618250
- XFSCV0618500
- XFSCV0912100
- XFSCV0912250
- XFSCV0912500
- XFSCV0918100
- XFSCV0918250
- XFSCV0918500

- XFSCV0918250
- XFSCV0918500
- XFSCVP612500
- XFSCVP618500
- XFSCVP912500
- XFSCVP918500
- XFSCVPS612500
- XFSCVPS618500
- XFSCVPS912500
- XFSCVPS918500

## TABLE 6: LATERAL RUN LENGTHS

XFS-CV Dripline Maximum Lateral Lengths (Feet)				
	12" Emitter Spacing		18" Emitter Spacing	
	0.6 GPH	0.9 GPH	0.6 GPH	0.9 GPH
psi				
20	192	136	254	215
30	289	205	402	337
40	350	248	498	416
50	397	281	573	477
60*	436	309	637	529

XFS-CV Dripline Maximum Lateral Lengths (Meters)				
	30,5 cm Emitter Spacing		45,7 cm Emitter Spacing	
	2.3 L/HR	3.4 L/HR	2.3 L/HR	3.4 L/HR
Bar				
1,38	58,5	41,5	77,4	65,5
2,07	88	62,5	122,5	102,7
2,76	107	75,6	151,8	126,8
3,45	121	85,6	174,7	145,4
4,14*	133	94,2	194,2	161,2

\* When using 17mm insert fittings with design pressure over 50 psi (3.5 bar), it is recommended that stainless steel clamps be installed on each fitting.