Tech Spec

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 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, 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 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"
- **ID:** 0.536"
- **Thickness:** 0.049"
- **Spacing:** 12" & 18" (30,5 cm & 45,7 cm)
- **Coil Lengths:**
  100', 250', 500', and 1000' (special order)
  (30,5 m, 76,5 m, 152,4 m, and 304,9)
- **Coil Color:** Copper, Purple and Purple Stripe

Dripline Models

- XFSCV0612100
- XFSCV0612250
- XFSCV0612500
- XFSCV0618100
- XFSCV0618250
- XFSCV0618500
- XFSCV0912100
- XFSCV0912250
- XFSCV0912500
- XFSCV0918100
- XFSCV0918250
- XFSCV0918500
- XFSCVP612500
- XFSCVP618500
- XFSCVP912500
- XFSCVP918500
- XFSCVPS612500
- XFSCVPS618500
- XFSCVPS912500
- XFSCVPS918500

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

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

Emitter Spacing
12 = 12 inches (30.5cm)
18 = 18 inches (45.7cm)

Coil Length
100 = 100'(30.5 m)
250 = 250'(76.2 m)
500 = 500'(152.4 m)



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 when inlet pressure is between 20 and 60 psi.

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.

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

Feet			Meters		
Inlet Pressure (psi)	Nominal Flow 0.6 GPH	0.9 GPH	Inlet Pressure (bar)	Nominal Flow 2,3 l/h	3,5 l/h
12" Spacing			**30,5 cm Spacing**		
20	192	136	1,38	58,54	1,5
30	289	205	2,07	88,06	2,5
40	350	248	2,76	107,07	5,6
50	397	281	3,45	121,08	5,6
60	439	309	4,14	133,0	94,2
18" Spacing			**45,7 cm Spacing**		
20	254	215	1,38	77,46	5,5
30	402	337	2,07	122,51	02,7
40	498	416	2,76	151,81	26,8
50	573	477	3,45	174,71	45,4
60	637	529	4,14	194,21	61,2

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.

ROOT INTRUSION 16 YEAR WARRANTY

ENVIRONMENTAL 7 YEAR WARRANTY

TRADE 5 YEAR WARRANTY

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