

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 grade or slopes. With a check valve that keeps the dripline charged in elevation changes up to 10', 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 to 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 without requiring EPA-approved handling procedures—unlike some manufacturers who use harsh chemicals or treated filters to protect the emitter from root intrusion.
- Rain Bird's patented 4.3 psi check valve technology keeps the dripline charged with water at all times, increasing uniformity of watering and conserving water by eliminating the need to recharge the line at the beginning of each watering 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:** 0.4, 0.6 and 0.9 gph (1,6 l/hr, 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)



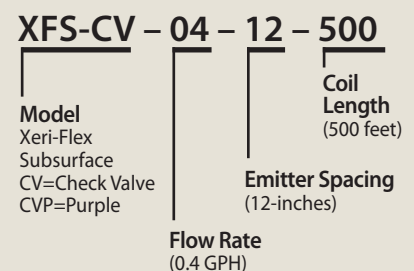
Specifications

- **OD:** 0.634"
- **ID:** 0.536"
- **Thickness:** 0.049"
- **Spacing:** 12" & 18" (30,5 cm & 45,7 cm)
- **Coil Lengths:** 100', 250', and 500' (30,5 m, 76,5 m, and 152,4 m)
- **Coil Color:** Copper

Dripline Models

- | | |
|--------------------|----------------------------|
| • XFS-CV-04-12-500 | • XFS-CV-09-12-500 |
| • XFS-CV-04-18-500 | • XFS-CV-09-18-100 |
| • XFS-CV-06-12-100 | • XFS-CV-09-18-250 |
| • XFS-CV-06-12-250 | • XFS-CV-09-18-500 |
| • XFS-CV-06-12-500 | • XFS-CVP-04-12-500 |
| • XFS-CV-06-18-100 | • XFS-CVP-04-18-500 |
| • XFS-CV-06-18-250 | • XFS-CVP-06-12-500 |
| • XFS-CV-06-18-500 | • XFS-CVP-06-18-500 |
| • XFS-CV-09-12-100 | • XFS-CVP-09-12-500 |
| • XFS-CV-09-12-250 | • XFS-CVP-09-18-500 |

How to Specify



Purple stripe also available.



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 0.4, 0.6 or 0.9 gph when inlet pressure is between 20 and 60 psi.

The inline emitter shall have Copper Shield Technology installed to protect the emitter from root intrusion and be raised off the inside tube wall to minimize dirt intrusion. It 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 inline tubing shall be manufactured by Rain Bird Corporation in Azusa, California.

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	
	Nominal Flow 0.6 GPH	Nominal Flow 0.9 GPH
12" Spacing		
20	192	136
30	289	205
40	350	248
50	397	281
60	439	309
18" Spacing		
20	254	215
30	402	337
40	498	416
50	573	477
60	637	529

Inlet Pressure (bar)	Meters	
	Nominal Flow 2,3 l/h	Nominal Flow 3,5 l/h
30,5 cm Spacing		
1,38	58,5	41,5
2,07	88,0	62,5
2,76	107,0	75,6
3,45	121,0	85,6
4,14	133,0	94,2
45,7 cm Spacing		
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

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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