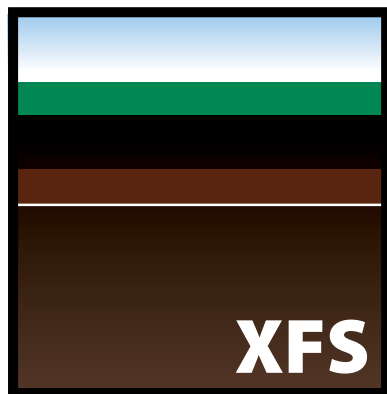


## XFS Dripline With Copper Shield™ Technology

Dripline Series



**SUB-SURFACE**

### Applications

Rain Bird® XFS Dripline with Copper Shield™ for sub-surface drip irrigation is the latest innovation in the Rain Bird Xerigation™ Family. Rain Bird's patent-pending Copper Shield™ Technology protects the emitter from root intrusion, creating a long-lasting, low maintenance sub-surface drip irrigation system for use under turf grass or shrub and groundcover areas. XFS Series Dripline with Copper Shield™ is perfect for small, narrow and tight planting areas, as well as areas with tight curves or many switchbacks.

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

### Features

#### Simple

- Rain Bird's patent pending copper-colored XFS dripline with Copper Shield™ Technology protects the emitter from root intrusion with out requiring EPA-approved handling procedures - unlike some manufacturers who use harsh chemicals or treated filters to protect the emitter from root intrusion
- Through the use of a proprietary tubing material, the copper-colored XFS Dripline with Copper Shield™ is the most flexible dripline tubing in the industry making it the easiest sub-surface dripline to design with and install

- It accepts Rain Bird Easy Fit Compression Fittings, XFF 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 either sub-surface turf grass or sub-surface shrub and groundcover applications

#### Reliable

- XFS emitters are protected from root intrusion by Rain Bird's patent-pending Copper Shield™ Technology resulting in a system that does not require maintenance or replacement of chemicals to prevent root intrusion
- 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 8.5 to 60 psi

#### Durable

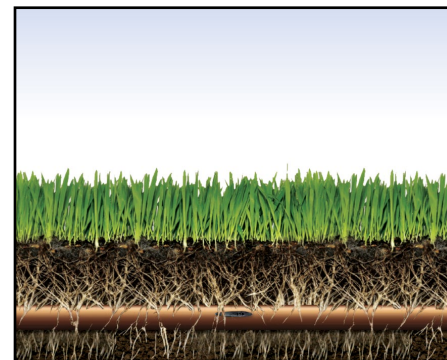
- Dual-layered tubing (copper over black) provides unmatched resistance to chemicals, algae growth and UV damage
- Grit Tolerant: Rain Bird's proprietary emitter design resists clogging by use of an extra-wide flow path combined with a self-flushing action

### Operating Range

- **Pressure:** 8.5 to 60 psi (,58 to 4,14 bar)
- **Flow rates:** 0.42, 0.6 and 0.9 gph (1,6 l/h, 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)
- **Required Filtration:** 120 Mesh

### Specifications

- **OD:** 0.634"
- **ID:** 0.536"
- **Thickness:** 0.049"
- **12", 18", 24"** (30,5 cm, 45,7 cm, 61,0 cm) spacing
- **Available in 100' and 500'** (30,5 m and 152,4 m) coils
- **Coil Color:** Copper, Purple, Copper with purple stripe

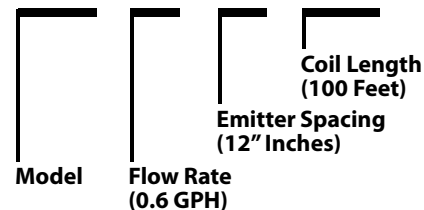


### XFS Dripline Models

XFS-04-12-100	XFS-09-12-500
XFS-04-12-500	XFS-09-18-100
XFS-04-18-100	XFS-09-18-500
XFS-04-18-500	XFS-09-24-500
XFS-06-12-100	<b>XFSP-04-12-500</b>
XFS-06-12-500	<b>XFSP-04-18-500</b>
XFS-06-18-100	<b>XFSP-06-12-500</b>
XFS-06-18-500	<b>XFSP-06-18-500</b>
XFS-06-24-500	<b>XFSP-09-12-500</b>
XFS-09-12-100	<b>XFSP-09-18-500</b>

### How To Specify

#### XFS - 06 - 12 - 100

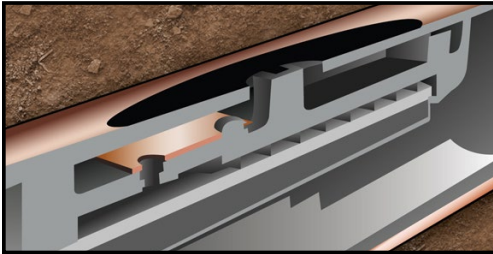


*XFSP = Purple to indicate models that use non-potable water*

*XFSPS = Purple stripe to indicate models that use non-potable water*

# XFS Dripline With Copper Shield™ Technology

## Dripline Series



### 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 gallons per hour when inlet pressure is between 8.5 and 60 psi.

The inline emitter diaphragm 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 copper shield technology installed to protect the emitter from root intrusion. The inline emitter inlet shall be raised off the inside tube wall to minimize dirt intrusion.

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

#### XFS Dripline Maximum Lateral Length (Feet)

Inlet Pressure psi	Maximum Lateral Length (feet)		
	12" Spacing		
	Nominal Flow (GPH):		
	0.42	0.6	0.9
15	352	273	155
20	399	318	169
30	447	360	230
40	488	395	255
50	505	417	285
60	573	460	290

18" Spacing			
Nominal Flow (GPH):			
	0.42	0.6	0.9
15	374	314	250
20	417	353	294
30	481	413	350
40	530	465	402
50	610	528	420
60	734	596	455

24" Spacing		
Nominal Flow (GPH):		
	0.6	0.9
15	424	322
20	508	368
30	586	414
40	652	474
50	720	488
60	780	514

#### XFS Dripline Maximum Lateral Length (Meters)

Inlet Pressure bars	Maximum Lateral Length (meters)		
	30.5 cm Spacing		
	Nominal Flow (l/h):		
	1.6	2.3	3.5
1.0	107.2	83.2	47.2
1.4	121.6	96.9	51.5
2.1	136.2	109.7	70.1
2.8	148.7	120.4	77.7
3.5	153.9	127.1	86.9
4.1	174.6	140.2	88.4

45.7 cm Spacing			
Nominal Flow (l/h):			
	1.6	2.3	3.5
1.0	114	95.7	76.2
1.4	127.1	107.6	89.6
2.1	146.6	125.9	106.7
2.8	161.5	141.7	122.5
3.5	185.9	160.9	128.0
4.1	223.7	181.7	138.7

61.0 cm Spacing		
Nominal Flow (l/h):		
	2.3	3.5
1.0	129.2	98.2
1.4	154.8	112.2
2.1	178.6	123.2
2.8	198.7	144.5
3.5	219.5	148.7
4.1	237.7	156.7

### 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**

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Fax: (520) 741-6522

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**Rain Bird Corporation**  
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Phone: (626) 812-3400  
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**Specification Hotline**  
800-458-3005 (U.S. and Canada)

**Rain Bird International, Inc.**  
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The Intelligent Use of Water™  
[www.rainbird.com](http://www.rainbird.com)