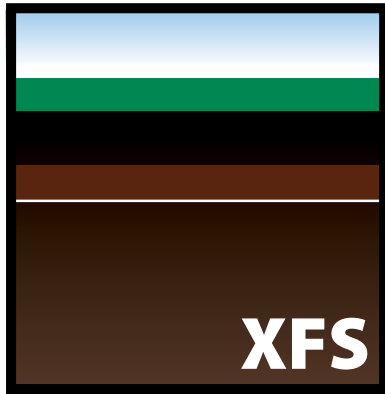


## XFS Dripline With Copper Shield™ Technology

### 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:** 0.6 and 0.9 gph (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

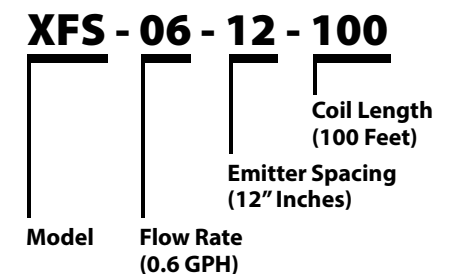
- **OD:** 0.634"
- **ID:** 0.536"
- **Thickness:** 0.049"
- **12", 18", 24"** (30,5 cm, 45,7 cm, 61,0 cm) spacing
- **Available in 100' and 500'** (30,5 m, 76,2 m and 152,4 m) coils
- **Coil Color:** Copper



### XFS Dripline Models

- XFS-06-12-100
- XFS-06-12-500
- XFS-06-18-100
- XFS-06-18-500
- XFS-06-24-500
- XFS-09-12-100
- XFS-09-12-500
- XFS-09-18-100
- XFS-09-18-500
- XFS-09-24-500
- XFSP-06-12-500
- XFSP-06-18-500
- XFSP-09-12-500
- XFSP-09-18-500

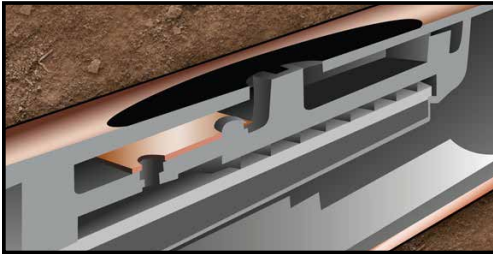
### How To Specify



*XFSP = Purple 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 0.6 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):	
	0.6	0.9
15	273	155
20	318	169
30	360	230
40	395	255
50	417	285
60	460	290

#### 18" Spacing

	Nominal Flow (GPH):	
	0.6	0.9
15	314	250
20	353	294
30	413	350
40	465	402
50	528	420
60	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):	
	2.3	3.41
1.0	83.2	47.2
1.4	96.9	51.5
2.1	109.7	70.1
2.8	120.4	77.7
3.5	127.1	86.9
4.1	140.2	88.4

#### 45.7 cm Spacing

	Nominal Flow (l/h):	
	2.3	3.41
1.0	95.7	76.2
1.4	107.6	89.6
2.1	125.9	106.7
2.8	141.7	122.5
3.5	160.9	128.0
4.1	181.7	138.7

#### 61.0 cm Spacing

	Nominal Flow (l/h):	
	2.3	3.41
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 XF Series Dripline – Five (5) year product workmanship and seven (7) years on environmental stress cracking

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#### Rain Bird Corporation

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#### Specification Hotline

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The Intelligent Use of Water™

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