

XFS Sub-Surface Dripline with Copper Shield™ Technology

Sub-Surface Drip Irrigation (SDI) perfect for small, narrow and tight planting areas, switchbacks, as well as all turf landscapes

Rain Bird® XFS Sub-Surface Copper-Colored Dripline with Copper Shield™ Technology is the latest innovation in the Rain Bird Landscape Drip 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.

A proprietary tubing material makes the XFS Sub-Surface Dripline with Copper Shield the most flexible tubing in the industry, and the easiest sub-surface dripline to design with and install.

Features

Simple

- 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 or sub-surface shrub and groundcover applications

Reliable

- XFS Sub-Surface Dripline 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 (0.58 to 4.14 bar)
- Flow rates: 0.4 gph, 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

- Dimensions: OD: 0.634" (16mm); ID: 0.536" (13.6mm); Thickness: 0.049" (1.2mm)
- 12" and 18" (30.5 cm and 45.7 cm) spacing
- Available in 100' and 500' (30.5 m and 152.4 m) coils
- Coil Color: Copper
- Use with XF Dripline Insert Fittings



XFS Sub-Surface Dripline



XFS Sub-Surface Dripline with Copper Shield™ Technology



XFS Dripline offers increased flexibility for easy installation



Irrigation Association Show Winner

How to Specify

XFS - P - 09 - 12 - 100	
Optional P = Purple PS = Purple stripe	Length of Tubing 100 = 100' (30.5 m) 500 = 500' (152.4 m)
Model XFS Sub-Surface Dripline	Emitter Spacing 12 = 12" (30.5 cm) 18 = 18" (45.7 cm)
Flow Rate 04 = .42 gph (1.6 l/h) 06 = .61 gph (2.3 l/h) 09 = .92 gph (3.5 l/h)	

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XFS Sub-Surface Dripline

XFS Sub-Surface Dripline Models

Model	Flow gph	Spacing in.	Coil Length ft.
XFS-04-12-100	0.42	12	100
XFS-04-12-500	0.42	12	500
XFS-04-18-100	0.42	18	100
XFS-04-18-500	0.42	18	500
XFS-06-12-100	0.60	12	100
XFS-06-12-500	0.60	12	500
XFS-06-18-100	0.60	18	100
XFS-06-18-500	0.60	18	500
XFS-09-12-100	0.90	12	100
XFS-09-12-500	0.90	12	500
XFS-09-18-100	0.90	18	100
XFS-09-18-500	0.90	18	500
XFSP-04-12-500 (Purple)	0.42	12	500
XFSP-04-18-500 (Purple)	0.42	18	500
XFSP-06-12-500 (Purple)	0.60	12	500
XFSP-06-18-500 (Purple)	0.60	18	500
XFSP-09-12-500 (Purple)	0.90	12	500
XFSP-09-18-500 (Purple)	0.90	18	500
XFSPS-04-12-5 (Purple Stripe)	0.42	12	500
XFSPS-04-18-5 (Purple Stripe)	0.42	18	500
XFSPS-06-12-5 (Purple Stripe)	0.60	12	500
XFSPS-06-18-5 (Purple Stripe)	0.60	18	500
XFSPS-09-12-5 (Purple Stripe)	0.90	12	500
XFSPS-09-18-5 (Purple Stripe)	0.90	18	500

XFS Sub-Surface Dripline Models METRIC

Model	Flow l/h	Spacing cm	Coil Length m
XFS-04-12-100	1.60	30.5	30.5
XFS-04-12-500	1.60	30.5	152.4
XFS-04-18-100	1.60	45.7	30.5
XFS-04-18-500	1.60	45.7	152.4
XFS-06-12-100	2.30	30.5	30.5
XFS-06-12-500	2.30	30.5	152.4
XFS-06-18-100	2.30	45.7	30.5
XFS-06-18-500	2.30	45.7	152.4
XFS-09-12-100	3.50	30.5	30.5
XFS-09-12-500	3.50	30.5	152.4
XFS-09-18-100	3.50	45.7	30.5
XFS-09-18-500	3.50	45.7	152.4
XFSP-04-12-500 (Purple)	1.60	30.5	152.4
XFSP-04-18-500 (Purple)	1.60	45.7	152.4
XFSP-06-12-500 (Purple)	2.30	30.5	152.4
XFSP-06-18-500 (Purple)	2.30	45.7	152.4
XFSP-09-12-500 (Purple)	3.50	30.5	152.4
XFSP-09-18-500 (Purple)	3.50	45.7	152.4
XFSPS-04-12-5 (Purple Stripe)	1.60	30.5	152.4
XFSPS-04-18-5 (Purple Stripe)	1.60	45.7	152.4
XFSPS-06-12-5 (Purple Stripe)	2.30	30.5	152.4
XFSPS-06-18-5 (Purple Stripe)	2.30	45.7	152.4
XFSPS-09-12-5 (Purple Stripe)	3.50	30.5	152.4
XFSPS-09-18-5 (Purple Stripe)	3.50	45.7	152.4

XFS Sub-Surface Dripline Maximum Lateral Lengths (Feet)

Inlet Pressure psi	Maximum Lateral Length (feet)					
	12" Spacing			18" Spacing		
	Nominal Flow (gph):			Nominal Flow (gph):		
	0.42	0.6	0.9	0.42	0.6	0.9
15	352	273	155	374	314	250
20	399	318	169	417	353	294
30	447	360	230	481	413	350
40	488	395	255	530	465	402
50	505	417	285	610	528	420
60	573	460	290	734	596	455

XFS Sub-Surface Dripline Maximum Lateral Lengths (meters)

Inlet Pressure bar	Maximum Lateral Length (meters)					
	30.5 cm			45.7 cm		
	Nominal Flow (l/h):			Nominal Flow (l/h):		
	1.6	2.3	3.4	1.6	2.3	3.4
1.0	107.2	83.2	47.2	114	95.7	76.2
1.4	121.6	96.9	51.5	127.1	107.6	89.6
2.1	136.2	109.7	70.1	146.6	125.9	106.7
2.8	148.7	120.4	77.7	161.5	141.7	122.5
3.5	153.9	127.1	86.9	185.9	160.9	128.0
4.1	174.6	140.2	88.4	223.7	181.7	138.7