

XF Dripline Insert Fittings

XF Dripline Insert Fittings offer a unique barb design to reduce insertion force and still retain a secure fit (p. 138)



XF Dripline Insert Fittings (pg. 138)

We recommend using the XF Insertion Tool (FITINS-TOOL) which lowers the effort required to insert each fitting by 50% (p. 140)



FITINS-TOOL

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 |

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 |

XFS Sub-Surface Dripline Maximum Lateral Lengths (Feet)

| Inlet Pressure psi | Maximum Lateral Length (feet) | | | | | |
|-----------------------|-------------------------------|-----|-----|-----------------------------|-----|-----|
| | 12" Spacing | | | 18" Spacing | | |
| | Nominal Flow (gph): 0.42 | 0.6 | 0.9 | Nominal Flow (gph): 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 Spacing | | | 45.7 cm Spacing | | |
| | Nominal Flow (l/h): 1.6 | 2.3 | 3.4 | Nominal Flow (l/h): 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 |

XFS Sub-Surface Dripline Flow (per 100 Feet of Tubing)

| Emitter Spacing | 0.42 gph Emitter | | 0.6 gph Emitter | | 0.9 Emitter | |
|-----------------|------------------|----------|-----------------|----------|-------------|----------|
| | gph | gpm | gph | gpm | gph | gpm |
| 12" | 42.0 gph | 0.70 gpm | 61.0 gph | 1.02 gpm | 92.0 gph | 1.53 gpm |
| 18" | 28.0 gph | 0.47 gpm | 41.0 gph | 0.68 gpm | 61.0 gph | 1.02 gpm |

XFS Sub-Surface Dripline Flow (per 100 Meters of Tubing)

| Emitter Spacing | 1.6 l/h Emitter | | 2.3 l/h Emitter | | 3.4 l/h Emitter | |
|-----------------|-----------------|----------|-----------------|----------|-----------------|----------|
| | l/h | l/m | l/h | l/m | l/h | l/m |
| 0.30 meter | 531.1 l/h | 8.85 l/m | 757.9 l/h | 12.6 l/m | 1136.7 l/h | 18.9 l/m |
| 0.46 meter | 351.8 l/h | 5.86 l/m | 502.2 l/h | 8.4 l/m | 741.3 l/h | 12.4 l/m |