



# LANDSCAPE & TURF TECHLINE®

## SUBSURFACE OR ON-SURFACE DRIPPERLINE

*The world's most advanced continuous self-cleaning, pressure-compensating dripperline.*



### Applications

- Subsurface or on-surface installations
- Curved, angular or narrow planting areas
- High traffic/high liability areas
- Areas subject to vandalism
- High wind areas
- Turf, shrubs, trees
- Slopes
- At-grade windows
- Sports turf

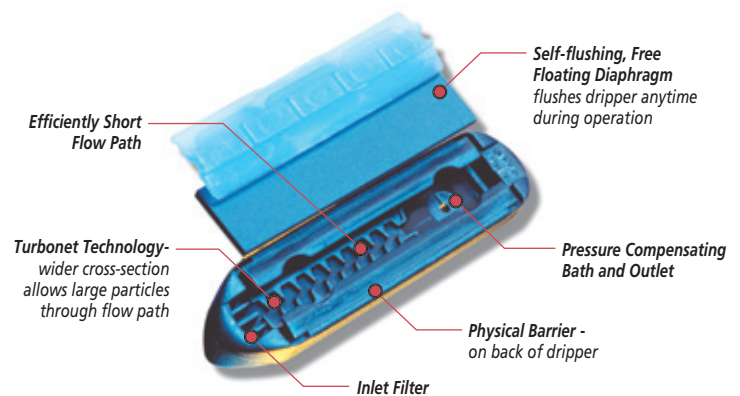
### Features/Benefits

- Pressure compensating
- Efficient, short flow path
- Continuous self-cleaning design resists clogging
- Self-flushing/cleaning, elastomer diaphragm
- Unique design with physical root barrier helps prevent root intrusion
- Self-contained, one-piece construction assures reliability, easy installation
- 12", 18" or 24" dripper spacing and blank tubing available
- Flexible tubing adapts to any planting area shape
- UV resistant
- Labels on rolls denote flow rate and spacing
- Tubing indelibly marked with flow rate

### Specifications

- Dripper flow rates: 0.4, 0.6 or 0.9 GPH
- Pressure compensation range: 7 to 70 psi (stainless steel clamps recommended above 50 psi)
- Maximum recommended system pressure: 50 psi
- Tubing diameter: 0.66" OD; 0.56" ID
- Coil lengths: 100', 250', 1,000'
- Recommended filtration: 120 mesh
- Bending radius: 7"
- Tubing material: Linear low-density polyethylene

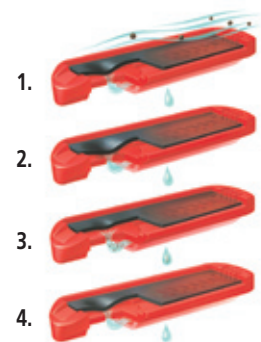
### EXPLODED VIEW OF TECHLINE DRIPPER



### TECHLINE DRIPPER OPERATION

Techline's Self-Cleaning, Pressure Compensating Dripper is a fully self-contained unit molded to the interior wall of the dripper tubing. Both tubing and dripper housing are manufactured from high-quality synthetic elastomers to withstand chemicals and fertilizers.

As shown at right, Techline is continuously self-cleaning during operation, not just at the beginning and end of a cycle. The result is dependable, clog-free operation, year after year.



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## TECHLINE® General Guidelines

	TURF			SHRUB AND GROUND COVER		
	Clay Soil	Loam Soil	Sandy Soil	Clay Soil	Loam Soil	Sandy Soil
Dripper Flow	0.4 GPH	0.6 GPH	0.9 GPH	0.4 GPH	0.6 GPH	0.9 GPH
Dripper Interval	18"	12"	12"	18"	18"	12"
Lateral (Row) Spacing	18" - 22"	18" - 22"	12" - 16"	18" - 24"	18" - 24"	16" - 20"
Burial Depth	On-surface or bury evenly throughout the zone to a maximum of 6 inches					
Application Rate (inch/hour)	.29 - .23	.64 - .53	1.44 - 1.08	.29 - .21	.43 - .32	1.08 - .87
Time to Apply 1/4" of Water (minutes)	52 - 65	23 - 28	10 - 14	52 - 71	35 - 47	14 - 17

Following these maximum spacing guidelines, dripper flow selection can be increased if desired by the designer.

## TECHLINE® Maximum Length of a Single Lateral (feet)

Dripper Spacing	12"			18"			24"		
Dripper Flow Rate (GPH)	0.4	0.6	0.9	0.4	0.6	0.9	0.6	0.9	
Inlet Pressure (psi)	15	292	233	175	410	322	247	405	308
	25	397	312	238	558	438	335	553	423
	35	486	365	279	656	514	394	649	497
	45	520	407	311	732	574	439	725	555

## TECHLINE® Flow per 100 Feet

Dripper Spacing	0.4 GPH Dripper		0.6 GPH Dripper		0.9 GPH Dripper	
	GPH	GPM	GPH	GPM	GPH	GPM
12"	40.00	0.67	61.00	1.02	92.00	1.53
18"	26.67	0.44	41.00	0.68	61.00	1.02
24"	Not Available		31.00	0.51	46.00	0.77

## TECHLINE® Specifying Information

### Reference for Ordering Information Chart

SAMPLE MODEL NUMBER

**TLDL4-1210**

**A** Techline Dripline = TLDL

**1** Driller Flow Rate  
0.4 GPH = 4  
0.6 GPH = 6  
0.9 GPH = 9

**2** Driller Spacing  
12" = 12  
18" = 18  
24" = 24

**3** Coil Length  
100' = 01  
250' = 025  
1,000' = 10

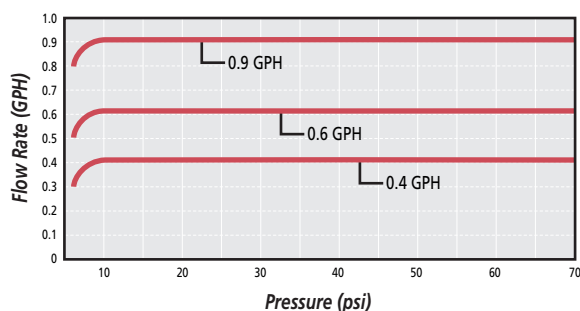
### BLANK Tubing Model Numbers:

1,000' = TLDL010 250' = TLDL0025 100' = TLDL001

## TECHLINE® Ordering Information

Flow Rate	Dripper Spacing	Coil Length	Model Number
0.4 GPH	12"	1,000'	TLDL4-1210
		250'	TLDL4-12025
		100'	TLDL4-1201
0.4 GPH	18"	1,000'	TLDL4-1810
		250'	TLDL4-18025
		100'	TLDL4-1801
0.6 GPH	12"	1,000'	TLDL6-1210
		250'	TLDL6-12025
		100'	TLDL6-1201
0.6 GPH	18"	1,000'	TLDL6-1810
		250'	TLDL6-18025
		100'	TLDL6-1801
0.6 GPH	24"	1,000'	TLDL6-2410
		250'	TLDL6-24025
		100'	TLDL6-2401
0.9 GPH	12"	1,000'	TLDL9-1210
		250'	TLDL9-12025
		100'	TLDL9-1201
0.9 GPH	18"	1,000'	TLDL9-1810
		250'	TLDL9-18025
		100'	TLDL9-1801
0.9 GPH	24"	1,000'	TLDL9-2410
		250'	TLDL9-24025
		100'	TLDL9-2401
Blank Tubing 17MM		1,000'	TLDL010
		250'	TLDL0025
		100'	TLDL001

## TECHLINE® Driller Flow Rate vs. Pressure



Between 0 and 7 psi, the dripper functions as a turbulent flow emitter, ensuring that the nominal design flow is not exceeded at system start-up.

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