



# LANDSCAPE & TURF TECHLINE® CV

## SUBSURFACE OR ON-SURFACE DRIPPERLINE

Combines the best of Techline and adds a Check Valve (CV). The most important breakthrough in low-volume irrigation since the introduction of drip.



### Applications

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

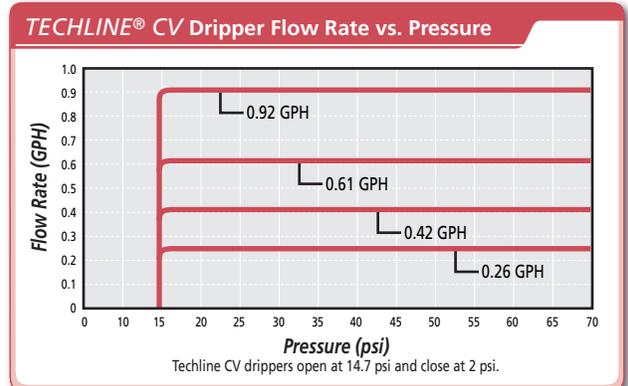
### Specifications

- Broadest choice of dripper flow rates: 0.26, 0.4, 0.6 and 0.9 GPH
- Dripper spacings: 12", 18" and 24"
- Pressure compensation range: 14.7 to 70 psi (stainless steel clamps recommended above 50 psi)
- Maximum recommended system pressure: 50 psi
- Minimum pressure required: 14.7 psi
- Tubing diameter: 0.66" OD; 0.56" ID
- Coil lengths: 100', 250', 1,000'
- Recommended filtration: 120 mesh

### Features/Benefits

- Each dripper has a 2 psi Check Valve - all drippers turn on and off at the same time
  - Minimizes water loss
  - Holds back up to 4 1/2' of water (elevation change)
  - No low drainage, great on slopes
  - More precise watering
- Built-in physical root barrier - drippers are protected from root intrusion without chemical reliance
- Pressure compensation - all drippers deliver equal flow
- Unique flow path - Turbonet technology allows more control of water flow and less chance for clogging
- Continuous self-flushing dripper design - flushes debris, as it is detected - throughout operation, not just at the beginning or end of a cycle and ensures uninterrupted dripper operation
- Extremely large filter area - provides uninterrupted water flow
- Single hole dripper outlet from tubing
  - Better protection against root intrusion
  - Allows the dripperline to be used in subsurface applications without chemical protection
- Easy to design in slope & berm applications - water does not drain out of low drippers
- No air/vacuum relief valves required - installations are faster and less expensive
- Techline compatible
- Techfilter compatible - provides a limited lifetime warranty against root intrusion

### EXPLODED VIEW OF TECHLINE CV DRIPPER



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## TECHLINE® CV General Guidelines

	TURF			SHRUB AND GROUND COVER		
	Clay Soil	Loamy Soil	Sandy Soil	Clay Soil	Loamy Soil	Sandy Soil
Dripper Flow	0.26 GPH	0.4 GPH	0.6 GPH	0.26 GPH	0.4 GPH	0.6 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)	.19 - .15	.43 - .35	.96 - .72	.19 - .14	.29 - .21	.72 - .58
Time to Apply 1/4" of Water (minutes)	79 - 100	35 - 43	16 - 21	79 - 107	52 - 71	21 - 26

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

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

Dripper Spacing	12"				18"				24"		
	0.26	0.4	0.6	0.9	0.26	0.4	0.6	0.9	0.6	0.9	
Dripper Flow Rate (GPH)	0.26	0.4	0.6	0.9	0.26	0.4	0.6	0.9	0.6	0.9	
Inlet Pressure (psi)	15	127	109	86	65	177	151	120	91	152	116
	25	427	325	256	194	604	459	361	274	458	348
	35	539	409	322	244	763	579	456	346	580	440
	45	618	469	369	280	877	664	523	397	666	506

## TECHLINE® CV Ordering Information

Flow Rate	Dripper Spacing	Coil Length	Model Number
0.26 GPH	12"	1,000'	TLCV26-1210
		250'	TLCV26-12025
		100'	TLCV26-1201
0.26 GPH	18"	1,000'	TLCV26-1810
		250'	TLCV26-18025
		100'	TLCV26-1801
0.4 GPH	12"	1,000'	TLCV4-1210
		250'	TLCV4-12025
		100'	TLCV4-1201
0.4 GPH	18"	1,000'	TLCV4-1810
		250'	TLCV4-18025
		100'	TLCV4-1801
0.6 GPH	12"	1,000'	TLCV6-1210
		250'	TLCV6-12025
		100'	TLCV6-1201
0.6 GPH	18"	1,000'	TLCV6-1810
		250'	TLCV6-18025
		100'	TLCV6-1801
0.6 GPH	24"	1,000'	TLCV6-2410
		250'	TLCV6-24025
		100'	TLCV6-2401
0.9 GPH	12"	1,000'	TLCV9-1210
		250'	TLCV9-12025
		100'	TLCV9-1201
0.9 GPH	18"	1,000'	TLCV9-1810
		250'	TLCV9-18025
		100'	TLCV9-1801
0.9 GPH	24"	1,000'	TLCV9-2410
		250'	TLCV9-24025
		100'	TLCV9-2401
Blank Tubing 17MM		1,000'	TLCV010
		250'	TLCV0025
		100'	TLCV001

## TECHLINE® CV Flow per 100 Feet

Dripper Spacing	0.26 GPH Dripper		0.4 GPH Dripper		0.6 GPH Dripper		0.9 GPH Dripper	
	GPH	GPM	GPH	GPM	GPH	GPM	GPH	GPM
12"	26.40	0.44	40.00	0.67	61.00	1.02	92.00	1.53
18"	17.58	0.29	26.67	0.44	41.00	0.68	61.00	1.02
24"	Not Available		Not Available		31.00	0.51	46.00	0.77

## TECHLINE® CV Specifying Information

### Reference for Ordering Information Chart

SAMPLE MODEL NUMBER

1 2  
**TLCV4-1210**  
A 3

A Techline CV Dripperline = **TLCV**

1 **Dripper Flow Rate**  
0.26 GPH = **26**  
0.4 GPH = **4**  
0.6 GPH = **6**  
0.9 GPH = **9**

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

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

### BLANK Tubing Model Numbers:

1,000" = TLCV010    250" = TLCV0025    100" = TLCV001

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