

TECHLINE® CV

Maximum Uniformity in
Subsurface and On-Surface
Including Slopes

17mm DRIPLINE

APPLICATIONS

- Subsurface or on-surface installations
- Turf, shrubs, trees and flowers
- Sports turf, tennis courts, golf courses
- Slopes
- Longer lateral runs
- Curved, angular or narrow planting areas
- High traffic/high liability areas
- Areas subject to vandalism
- High wind areas
- At-grade windows
- Green walls, green roofs
- Raised planters

SPECIFICATIONS

- Broadest choice of emitter flow rates: 0.26, 0.4, 0.6 and 0.9 GPH
- Emitter spacings: 12", 18" and 24" (24" spacing available for 0.6 and 0.9 GPH only)
- Pressure compensation range: 14.5 to 58 psi (stainless steel clamps recommended above 50 psi)
- Bending radius: 7"
- Maximum recommended system pressure: 58 psi
- Minimum pressure required: 14.5 psi
- Tubing diameter: 0.66" OD; 0.56" ID; 0.050" wall
- Coil length: 100', 250', 500', 1,000'
- Recommended minimum filtration: 120 mesh
- Diaphragm made of silicon

FEATURES & BENEFITS

2 psi CHECK VALVE IN EACH EMITTER

All emitters turn on and off at the same time, maximizing balance of application. Holds back up to 4.6' of water (elevation change). No low emitter drainage, great on slopes. Delivers more precise watering.

UNIQUE PATENTED EMITTER DESIGN WITH PHYSICAL ROOT BARRIER

Offset flow path, extra large bath area and raised outlet prevent root intrusion without chemical reliance.

PRESSURE COMPENSATING

Precise and equal amounts of water are delivered over a broad pressure range.

CONTINUOUS SELF-FLUSHING EMITTER DESIGN

Flushes debris as it is detected, throughout operation, not just at the beginning or end of a cycle, ensuring uninterrupted emitter operation.

EMITTER WITH ANTI-SIPHON FEATURE

Prevents ingestion of debris into tubing caused by vacuum.

SELF-CONTAINED, ONE-PIECE DRIPLINE CONSTRUCTION

Assures reliable, easy installation.

FLEXIBLE UV RESISTANT TUBING

Adapts to any planting area shape - tubing curves at a 7" radius. For on-surface installations withstands heat and direct sun.

QUALIFIES FOR USE ON LEED PROJECTS

Contains the required quantity of post-consumer and post-industrial recycled material.

MAKES INSTALLATION QUICKER

Does not require air/vacuum relief vent or automatic flush valve for subsurface installations.



TECHLINE CV
NOW MADE WITH
POST CONSUMER
RECYCLED MATERIAL

Limited Warranty for Driplines

Netafim warrants any polyethylene tubing and driplines (Techline® CV, Techline® DL, Techline® RW and Techline® EZ) sold to be free from environmental stress cracking for a period of seven (7) years from the date of original delivery.

GENERAL GUIDELINES	TURF				SHRUB & GROUNDCOVER			
	CLAY SOIL	LOAM SOIL	SANDY SOIL	COARSE SOIL	CLAY SOIL	LOAM SOIL	SANDY SOIL	COARSE SOIL
EMITTER FLOW	0.26 GPH	0.4 GPH	0.6 GPH	0.9 GPH	0.26 GPH	0.4 GPH	0.6 GPH	0.9 GPH
EMITTER SPACING	18"	18"	12"	12"	18"	18"	12"	12"
LATERAL (ROW) SPACING	18" 20" 22"	18" 20" 22"	12" 14" 16"	12" 14" 16"	18" 21" 24"	18" 21" 24"	16" 18" 20"	16" 18" 20"
BURIAL DEPTH	Bury evenly throughout the zone from 4" to 6"				On-surface or bury evenly throughout the zone to a maximum of 6"			
APPLICATION RATE (INCHES/HOUR)	0.19 0.17 0.15 0.30	0.27 0.25 0.98	0.84 0.73 1.48	1.27 1.11	0.19 0.16 0.14 0.30	0.26 0.23 0.73	0.65 0.59 1.11	0.99 0.89
TIME TO APPLY ¼" OF WATER (MINUTES)	80 89 97	50 55 61	15 18 20	10 12 13	80 93 106	50 58 66	20 23 26	13 15 17

Following these maximum spacing guidelines, emitter flow selection can be increased if desired by the designer.
0.9 GPH flow rate available for areas requiring higher infiltration rates, such as coarse sandy soils.

Note: 0.4, 0.6 and 0.9 GPH are nominal flow rates. Actual flow rates used in the calculations are 0.42, 0.61 and 0.92 GPH.

ORDERING INFORMATION

FLOW RATE	EMITTER SPACING	COIL LENGTH	MODEL NUMBER
0.26 GPH	12"	1,000'	TLCV26-1210
		250'	TLCV26-12025
		100'	TLCV26-1201
	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
	18"	1,000'	TLCV4-1810
		250'	TLCV4-18025
		100'	TLCV4-1801
0.6 GPH	12"	1,000'	TLCV6-1210
		500'	TLCV6-1205
		250'	TLCV6-12025
		100'	TLCV6-1201
	18"	1,000'	TLCV6-1810
		500'	TLCV6-1805
		250'	TLCV6-18025
		100'	TLCV6-1801
	24"	1,000'	TLCV6-2410
		250'	TLCV6-24025
		100'	TLCV6-2401
		0.9 GPH	12"
500'	TLCV9-1205		
250'	TLCV9-12025		
100'	TLCV9-1201		
18"	1,000'		TLCV9-1810
	500'		TLCV9-1805
	250'		TLCV9-18025
	100'		TLCV9-1801
24"	1,000'		TLCV9-2410
	250'		TLCV9-24025
	100'		TLCV9-2401
	BLANK TUBING		1,000'
500'		TLCV005	
250'		TLCV0025	
100'		TLCV001	

SPECIFYING MODEL NUMBER

Reference for Ordering Information Chart

TECHLINE CV = TLCV Dripline

SAMPLE MODEL NUMBER
TLCV4-1210

1 **EMITTER FLOW RATE**
 0.26 GPH = 26
 0.4 GPH = 4
 0.6 GPH = 6
 0.9 GPH = 9

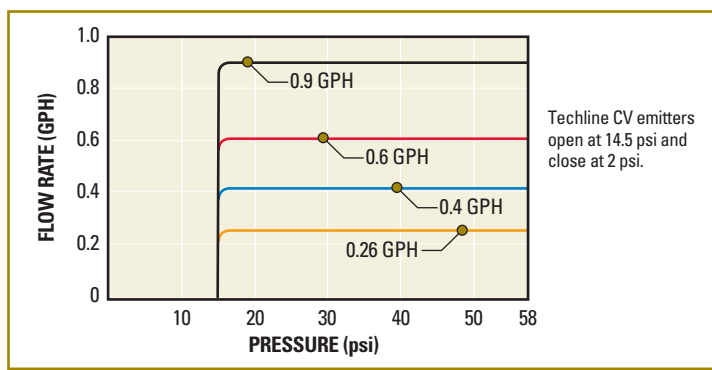
2 **EMITTER SPACING**
 12" = 12
 18" = 18
 24" = 24

3 **COIL LENGTH**
 100' = 01
 250' = 025
 500' = 05
 1,000' = 10

MAXIMUM LENGTH OF A SINGLE LATERAL (FEET)

EMITTER SPACING		12"				18"				24"	
EMITTER FLOW (GPH)		0.26	0.4	0.6	0.9	0.26	0.4	0.6	0.9	0.6	0.9
INLET PRESSURE	20 psi	331	242	190	144	468	344	270	204	342	260
	25 psi	413	302	238	180	584	429	338	257	430	326
	30 psi	471	345	272	206	668	491	387	293	492	374
	35 psi	518	380	299	227	737	540	426	323	542	412
	40 psi	559	410	323	244	794	584	459	348	584	444
	45 psi	594	436	343	260	845	620	489	371	622	472
	50 psi	626	459	361	274	890	654	515	390	656	498
	55 psi	655	480	378	287	932	684	539	410	686	522
	60 psi	681	500	393	298	969	713	561	426	716	544

FLOW RATE VS. PRESSURE



FLOW PER 100 FEET

EMITTER SPACING	0.26 EMITTER		0.4 EMITTER		0.6 EMITTER		0.9 EMITTER	
	GPH	GPM	GPH	GPM	GPH	GPM	GPH	GPM
12"	26.4	0.44	42.3	0.71	60.8	1.01	92.5	1.54
18"	17.6	0.29	28.2	0.47	40.5	0.68	61.6	1.03
24"	13.2	0.22	21.2	0.35	30.4	0.51	46.2	0.77

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