

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
- 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 lengths: 100', 250', 500', 1,000'
- Recommended minimum filtration: 120 mesh
- Diaphragm made of silicon
- ISO 9261 Standard Compliance

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.

MAKES INSTALLATION QUICKER

Does not require air/vacuum relief vent or automatic flush valve for on-surface or subsurface installations. Use manual flush valves at exhaust headers.



LASER ETCHING
FOR EASY IDENTIFICATION



TECHLINE CV
MADE WITH POST CONSUMER RECYCLED MATERIAL



QUALIFIES FOR USE ON LEED PROJECTS

LIMITED WARRANTY FOR DRIPLINES

Netafim warrants any polyethylene tubing and driplines (Techline® HCVXR, HCVXR-RW and RWP, CV, DL, RW, RWP and EZ) sold to be free from original defects in materials and workmanship for a period of seven (7) years and ten (10) years for environmental stress cracking - 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"			12"			12"			12"		18"		18"		12"		12"						
LATERAL (ROW) SPACING	18"	20"	22"	12"	14"	18"	12"	14"	18"	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	0.64	0.55	0.43	0.98	0.84	0.65	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	23	27	35	15	18	23	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.

SPECIFYING MODEL NUMBER

Reference for Ordering Information Chart

A Techline CV Dripline = **TLCV**

SAMPLE MODEL NUMBER
TLCV4-1210
 (A) (B) (C) (D)

BLANK TUBING MODEL NUMBERS:
 100' = TLCV001
 250' = TLCV0025
 500' = TLCV005
 1,000' = TLCV010

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

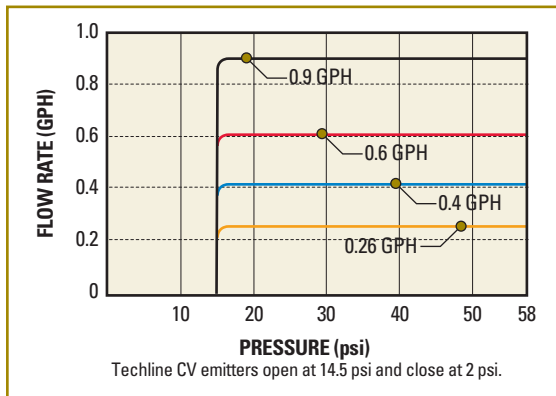
C **EMITTER SPACING**
 12" = **12**
 18" = **18**
 24" = **24**

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

ORDERING INFORMATION

FLOW RATE	EMITTER SPACING	COIL LENGTH	MODEL NUMBER
0.26 GPH	12"	100'	TLCV26-1201
		250'	TLCV26-12025
		1,000'	TLCV26-1210
	18"	100'	TLCV26-1801
		250'	TLCV26-18025
		1,000'	TLCV26-1810
0.4 GPH	12"	100'	TLCV4-1201
		250'	TLCV4-12025
		1,000'	TLCV4-1210
	18"	100'	TLCV4-1801
		250'	TLCV4-18025
		1,000'	TLCV4-1810
0.6 GPH	12"	100'	TLCV6-1201
		250'	TLCV6-12025
		500'	TLCV6-1205
		1,000'	TLCV6-1210
	18"	100'	TLCV6-1801
		250'	TLCV6-18025
		500'	TLCV6-1805
		1,000'	TLCV6-1810
	24"	100'	TLCV6-2401
		250'	TLCV6-24025
		1,000'	TLCV6-2410
		0.9 GPH	12"
250'	TLCV9-12025		
500'	TLCV9-1205		
1,000'	TLCV9-1210		
18"	100'		TLCV9-1801
	250'		TLCV9-18025
	500'		TLCV9-1805
	1,000'		TLCV9-1810
24"	100'		TLCV9-2401
	250'		TLCV9-24025
	1,000'		TLCV9-2410
	BLANK TUBING		100'
250'		TLCV0025	
500'		TLCV005	
1,000'		TLCV010	

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"	-	-	-	-	30.4	0.51	46.2	0.77

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
	35 psi	518	380	299	227	737	540	426	323	542	412
	45 psi	594	436	343	260	845	620	489	371	622	472
	55 psi	655	480	378	287	932	684	539	410	686	522
	60 psi	681	500	393	298	969	713	561	426	716	544

