



# 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

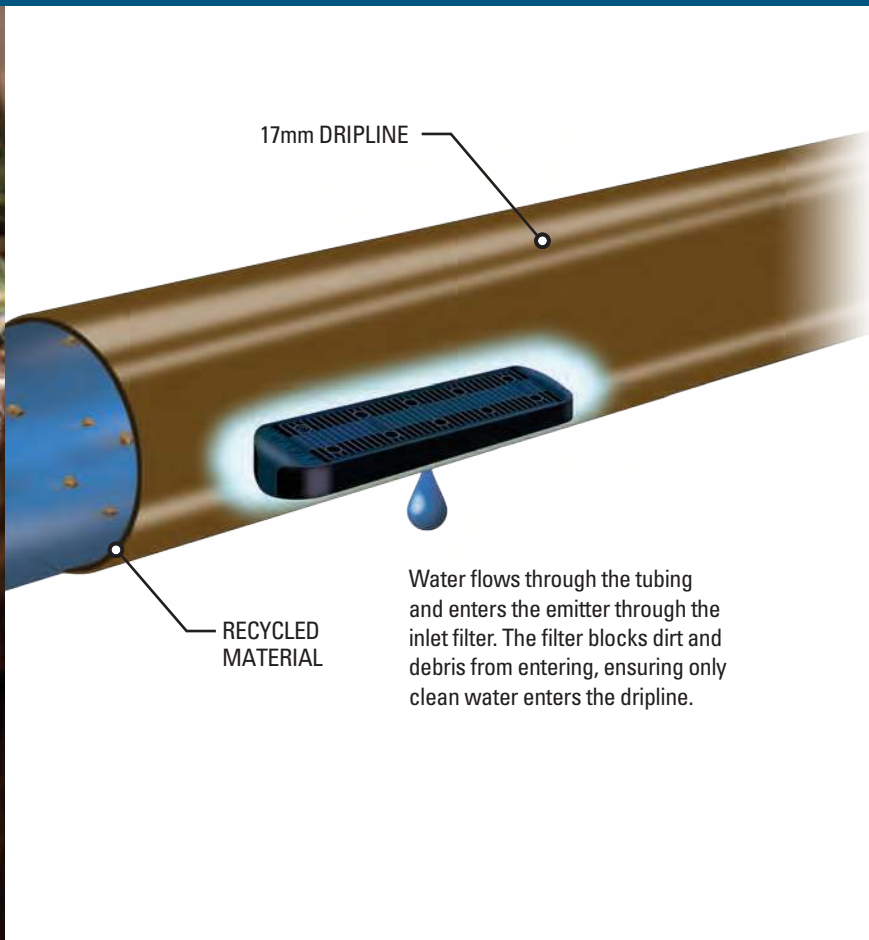
Contains the required quantity of post-consumer and post-industrial recycled material.

#### MAKES INSTALLATION QUICKER

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



**TECHLINE CV IS FLEXIBLE AND CAN ADAPT TO ANY SHAPE OR OBSTACLE**



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"	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	0.45	0.41	0.37	0.96	0.83	0.72	1.44	1.24	1.08	0.19	0.16	0.14	0.29	0.24	0.21	0.72	0.64	0.58	1.08	0.96	0.87
TIME TO APPLY ¼" OF WATER (MINUTES)	81	90	99	33	37	41	16	18	21	10	12	14	81	94	108	53	61	70	21	23	26	14	16	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.																								

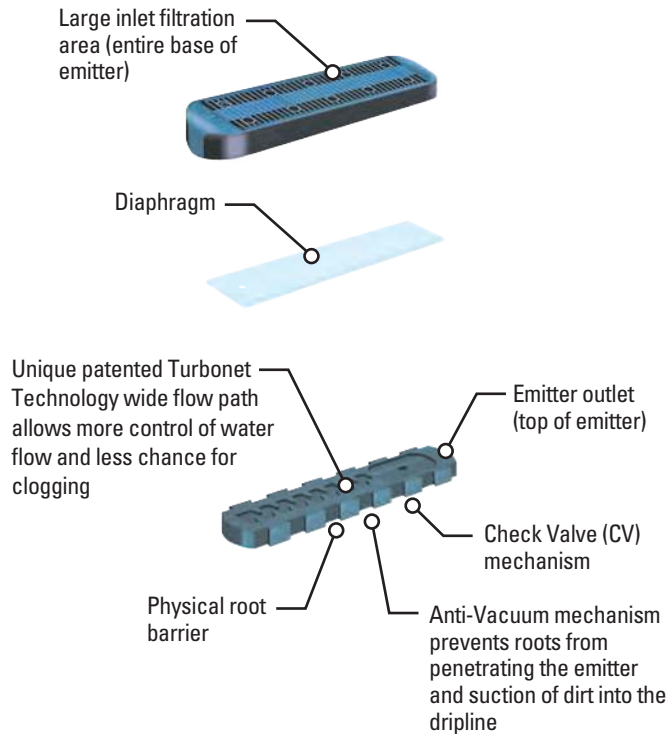
Note: 0.4, 0.6 and 0.9 GPH are nominal flow rates. Actual flow rates used in the calculations are 0.42, 0.61 and 0.92 GPH.

### 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	320	235	185	135	455	330	260	195	330	245
	25 psi	405	295	235	175	575	420	330	250	420	315
	35 psi	515	375	295	225	730	535	420	320	535	405
	45 psi	590	435	340	260	840	615	485	370	620	470

# 17mm DRIPLINE

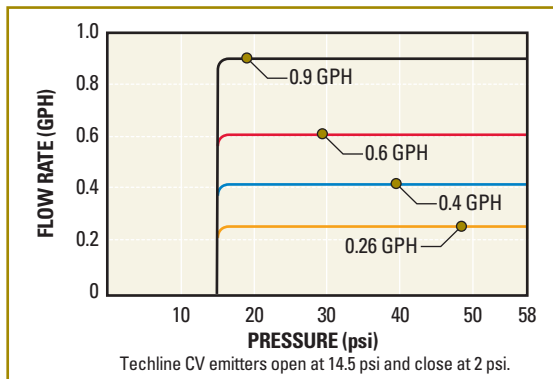
## EXPLODED VIEW OF TECHLINE CV EMITTER



## 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"	26.40	0.44	42.00	0.70	61.00	1.02	92.50	1.54
18"	17.58	0.29	28.00	0.47	40.67	0.68	61.67	1.03
24"	Not Standard		Not Standard		30.50	0.51	46.25	0.77

## FLOW RATE VS. PRESSURE



**TECHLINE CV HOLDS BACK 4 ½ FEET OF WATER, MAKING IT AN EXCELLENT SOLUTION FOR SLOPES**



## SPECIFYING MODEL NUMBER

Reference for Ordering Information Chart

A Techline CV Dripline = **TLCV**

**SAMPLE MODEL NUMBER**

1 2  
**TLCV4-1210**  
A 3




1 EMITTER FLOW RATE	2 EMITTER SPACING	3 COIL LENGTH
0.26 GPH = <b>26</b>	12" = <b>12</b>	100' = <b>01</b>
0.4 GPH = <b>4</b>	18" = <b>18</b>	250' = <b>025</b>
0.6 GPH = <b>6</b>	24" = <b>24</b>	500' = <b>05</b>
0.9 GPH = <b>9</b>		1,000' = <b>10</b>





**BLANK TUBING MODEL NUMBERS:**

1,000' = TLCV010	500' = TLCV005
250' = TLCV0025	100' = TLCV001

## THE TECHLINE CV COIL LABEL

Netafim offers Techline® CV in a wide range of flow rates and emitter spacings. To make product identification easy, each Netafim coil has a bright colored label, which designates the flow rate, and a large graphic shape, which indicates emitter spacing. Selecting the coil with the right emitter spacing and the right flow rate is easy, even from a distance.

SHAPE	SPACING
	12" SPACING
	18" SPACING
	24" SPACING

COLOR	FLOW RATE
	0.26 GPH
	0.4 GPH
	0.6 GPH
	0.9 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		
		500'	TLCV005
		250'	TLCV0025
		100'	TLCV001

## LIMITED WARRANTY FOR TECHLINE CV

Netafim warrants Techline® CV to be free from environmental stress cracking for a period of seven (7) years from the date of original delivery.



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