



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', 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.

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.

UNIQUE PATENTED EMITTER DESIGN WITH PHYSICAL ROOT BARRIER

Emitters resist root intrusion without chemical reliance.

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

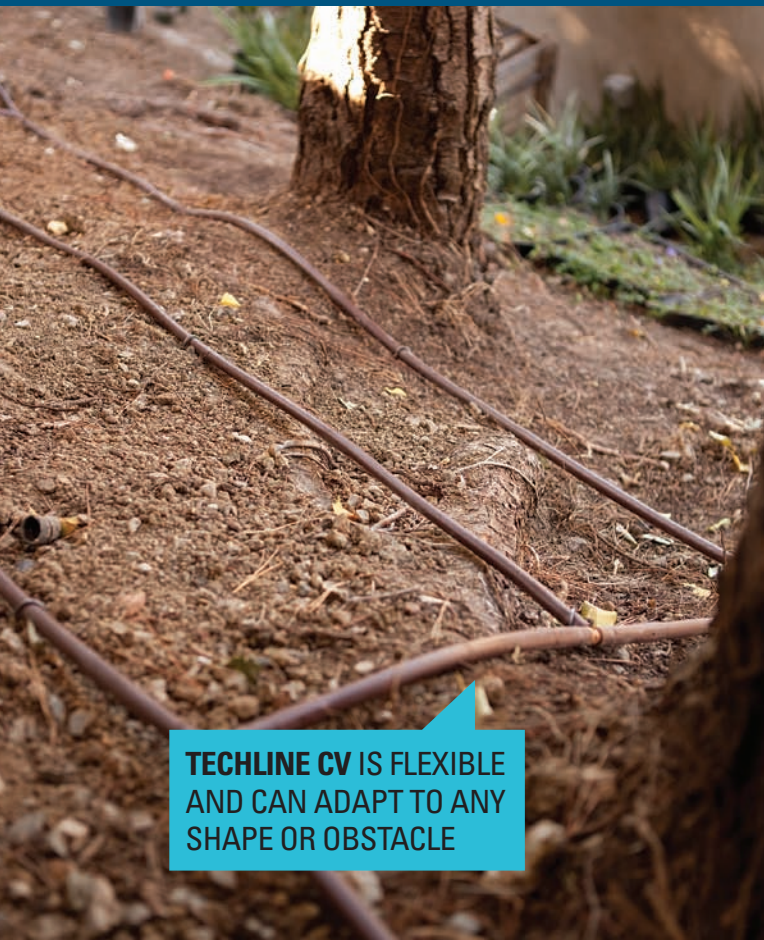
Adapts to any planting area shape - tubing curves at a 7" radius. For on-surface installations withstands heat and direct sun.

QUALIFIES FOR USE ON LEED PROJECTS

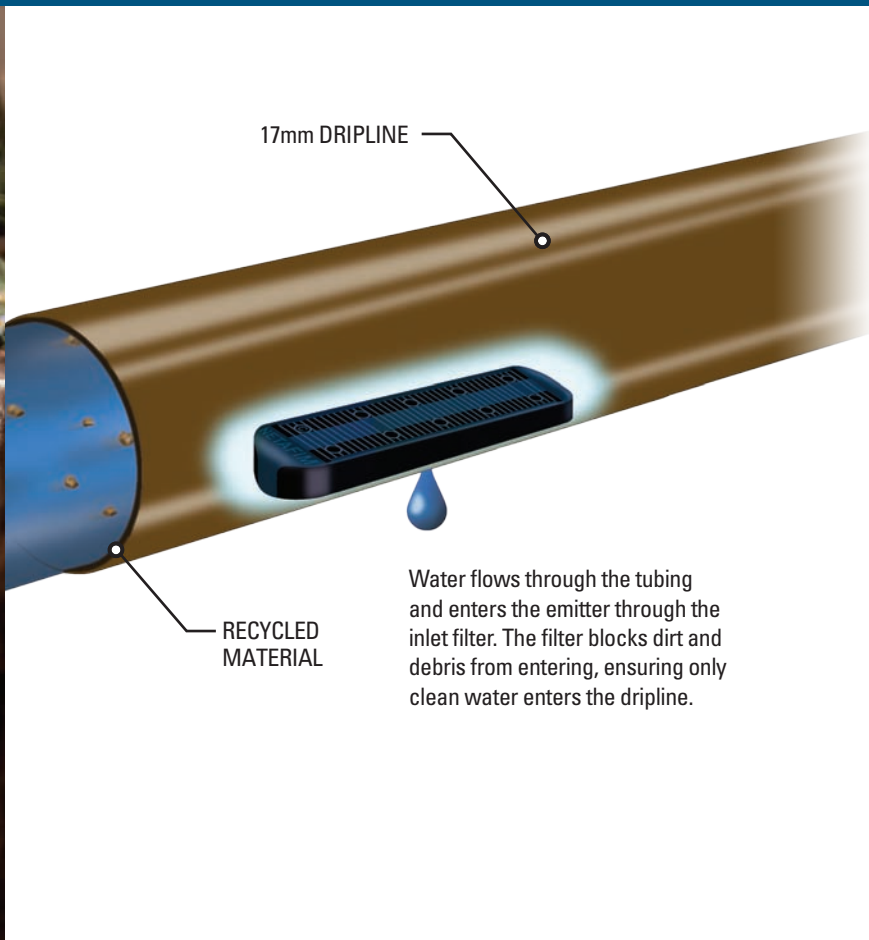
Contains the required quantity of post-consumer and post-industrial recycled material.

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 | | | SANDY SOIL | | | CLAY SOIL | | LOAM SOIL | | SANDY SOIL | | SANDY 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. | | | | | | | | | | | | | | | | | | | | | | | | |

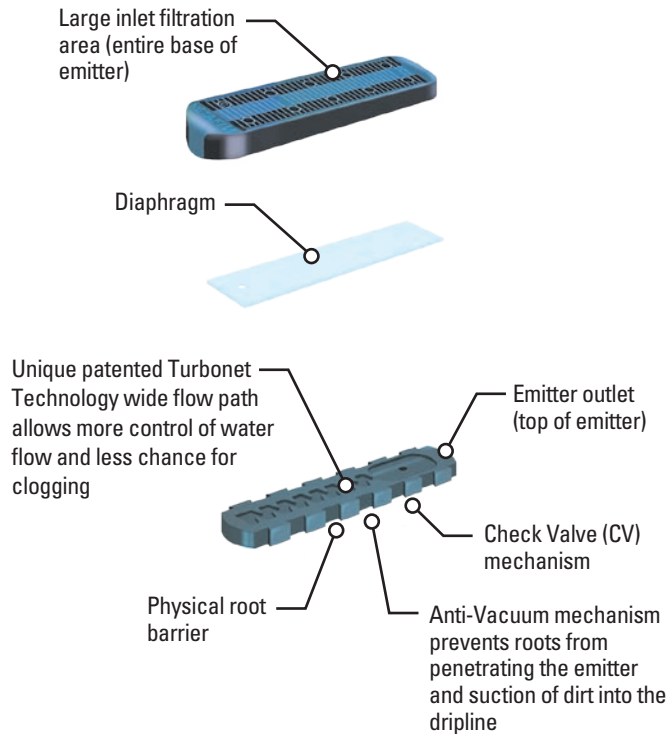
Note: 0.4, 0.6 and 0.9 GPH are nominal flow rates. Actual flow rates used in the calculations are 0.42, 0.61 and 0.92 GPH.

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

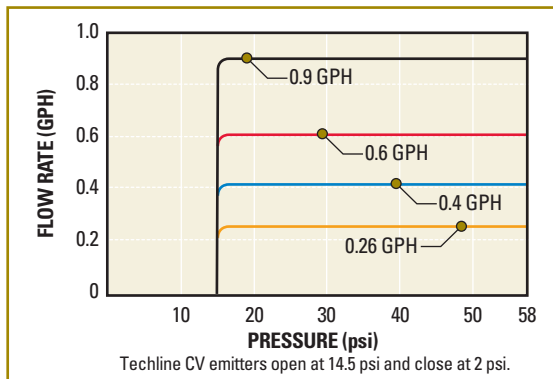
EXPLODED VIEW OF TECHLINE CV EMITTER



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**

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**




1,000' = **10**





BLANK TUBING MODEL NUMBERS:

1,000' = TLCV010 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 |
| | | 250' | TLCV6-12025 |
| | | 100' | TLCV6-1201 |
| | 18" | 1,000' | TLCV6-1810 |
| | | 250' | TLCV6-18025 |
| | | 100' | TLCV6-1801 |
| | 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 |
| | 18" | 1,000' | TLCV9-1810 |
| | | 250' | TLCV9-18025 |
| | | 100' | TLCV9-1801 |
| | 24" | 1,000' | TLCV9-2410 |
| | | 250' | TLCV9-24025 |
| | | 100' | TLCV9-2401 |
| BLANK TUBING | | 1,000' | TLCV010 |
| | | 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.



NETAFIM USA

5470 E. Home Ave.

Fresno, CA 93727

CS 888 638 2346

F 800 695 4753

www.netafimusa.com

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