



**SOUTHERN  
IRRIGATION**  
Intelligent Water Solutions

**Techline CV Heavywall Dripline**  
**NETAFIM™**



## APPLICATIONS

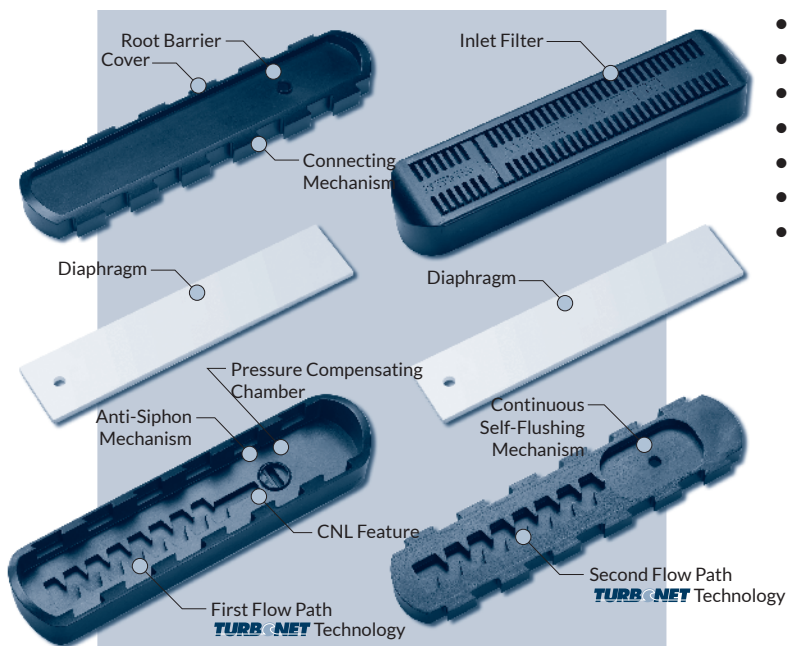
- Landscape, turf
- On surface or sub surface
- Hilly or level terrain
- Long runs
- Poor water quality
- Irregular shaped areas
- High wind areas

## FEATURES

- Pressure compensated
- Built-in check valve in each dripper
- Holds back 2 psi (4.6' elevation)
- Seamless construction
- Physical root barrier
- Wide regulation pressure range
- Industries widest flow path
- Large filter inlet on dripper
- Anti-siphon mechanism
- Qualifies for use in LEED projects



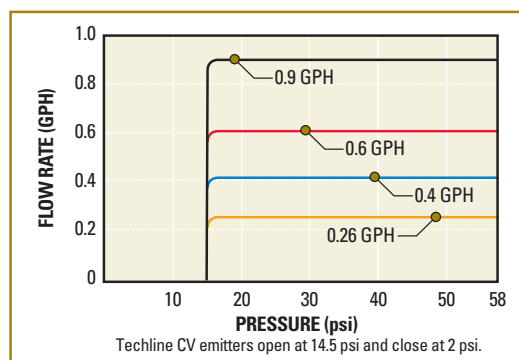
## TECHLINE CV DRIPPER



## SPECIFICATIONS

- Inside Diameter: 0.560" (17mm, 50 mil wall)
- Wall thickness: 50 mil
- Regulating Pressure Range: 7 to 58 psi
- Recommended Filtration: 120 mesh
- Roll Length: 100', 250', 1000'
- Flow rate: 0.26, 0.4, 0.6, 0.9 gph
- Dripper spacing: 12", 18", 24"

### FLOW RATE VS. PRESSURE



Run charts



### TECHLINE CV RUN CHARTS

GENERAL GUIDELINES	TURF												SHRUB & GROUND COVER											
	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 1/4" 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.**

#### 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

#### MAXIMUM LENGTH OF A SINGLE LATERAL (FEET)

EMITTER SPACING		12"				18"				24"	
INLET PRESSURE	EMITTER FLOW (GPH)	0.26	0.4	0.6	0.9	0.26	0.4	0.6	0.9	0.6	0.9
	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

### RELATED PRODUCTS



#### Techline Coupling 17mm

Insert coupling for use with Netafim Techline 17mm dripline. Suitable for up to 50psi with out use of clamps. Secure fit and easy installation without tools.



#### Techline Elbow 17mm

Insert elbow for use with Netafim Techline 17mm dripline. Suitable for up to 50psi with out use of clamps. Secure fit and easy installation without tools.



#### Techline Tee 17mm

Insert tee for use with Netafim Techline 17mm dripline. Suitable for up to 50psi with out use of clamps. Secure fit and easy installation without tools.



#### Techline Male Adapter 17mm x 1/2" MIPT

Insert male adaptor for use with Netafim Techline 17mm dripline. Typically used to connect the dripline to rigid pipe or valves.



#### Techline Male Adapter 17mm x 3/4" MIPT

Insert male adaptor for use with Netafim Techline 17mm dripline. Typically used to connect the dripline to rigid pipe or valves.



#### Techline Combination Tee 17mm x 3/4" FIPT

Insert tee with threaded side outlet for use with Netafim Techline 17mm dripline.



#### Figure Eight

Low-cost end-stop for dripline and polyethylene tubing. Holds the tubing in a kinked-off position.



#### Insert Valve

Economical shut off that inserts directly into 17mm dripline or polyethylene tube without the use of male adaptors. Commonly used as a flush valve.



#### Soil Staple

Secures dripline to the soil so it does not migrate from its intended position, or float in bark-mulch.



#### Zone Control Assembly

Control valve, filter and pressure regulator assembly provides filtration, pressure control and automatic control of your drip irrigation zone.



#### Poly Cutter

A must-have tool for techline installation. Provides a perfect straight-edge cut in a safe manner.



#### Dripline Winder

Unwinds coils of dripline without twisting or kinking. The wheelbarrow design enables the winder to be transported between work areas without heavy lifting.