

# TECHLINE™ CV 16 MM

PRESSURE-COMPENSATING,  
CONTINUOUSLY SELF-CLEANING DRIPPER  
CHECK VALVE ANTI-DRAIN (CV)





## TECHLINE™ CV 16 MM

### PRESSURE-COMPENSATING, CONTINUOUSLY SELF-CLEANING DRIPPER CHECK VALVE ANTI-DRAIN (CV)

#### APPLICATIONS

- Sub-surface and on-surface installation
- Slopes
- High wind areas
- Areas subject to vandalism
- Planting areas
- Curved, narrow and unshaped planting areas
- Turf, shrubs, trees and flowers
- Rooftop gardens
- Green walls
- Sports turf, tennis courts and golf courses
- High traffic/high liability areas
- Raised planters

#### SPECIFICATIONS

- Broadest choice of dripper flow rates: 1.0, 1.6, 2.3 l/h
- Dripper spacings: 0.3, 0.4, 0.5, 1.00 m  
(Other dripper spacing available upon request)
- Pressure-compensating range: 1.0-4.0 bar
- Anti-drain mechanism
- Shut-off pressure 0.14 bar
- Anti-Siphon mechanism
- Maximum system pressure: 4.0 bar
- Recommended filtration: 120 mesh
- Dripperline OD (outside diameter): 16.60 mm
- Dripperline ID (inside diameter): 14.20 mm
- Coil length: 25, 50, 100, 400 m

#### FEATURES & BENEFITS

##### Pressure compensating

- Precise and equal amounts of water are delivered over a broad pressure range.
- 100 % uniformity of water distribution along the laterals.

##### Continuous self-flushing dripper design

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

##### 0.14 Bar check valve in each dripper

- All drippers turn on and off at the same time, maximizing balance of application. System holds back up to 1.4 m of water (elevation change). No low emitter drainage, great on slopes. Delivers more precise watering.

##### Anti-Siphon mechanism

- Anti-Siphon mechanism prevents contaminants from being drawn into the dripper

##### Unique dripper design which provides:

- Physical root barrier: better protection against root intrusion without chemical reliance.
- Largest filter in each dripper.
- Widest water passages within the dripper.
- Unique TurboNet™ flow path.

##### Dripper position within the dripperline

- The water is drawn in to the dripper from the stream center, preventing the entrance of sediments in to the drippers.

##### Flexible tubing

- Adapts to any planting area shape.

##### UV resistant

- Withstands heat and direct sun - for on-surface installations.



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### SUB- AND ON-SURFACE DRIPPERLINE FOR

- Slopes
- High wind
- Roof gardens
- Curved , narrow and unshaped area with 0.14 bar

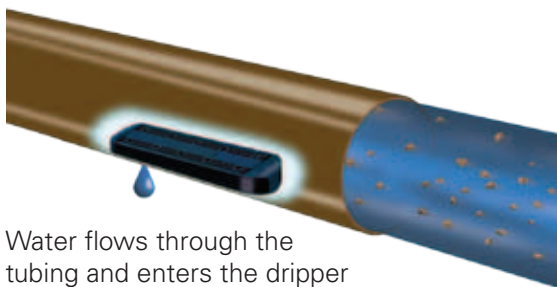
### CHECK VALVE, ANTI DRAIN MECHANISM

Check Valve anti-drain (CV) system for efficient pulse irrigation, prevents water draining and eliminates need for refill.



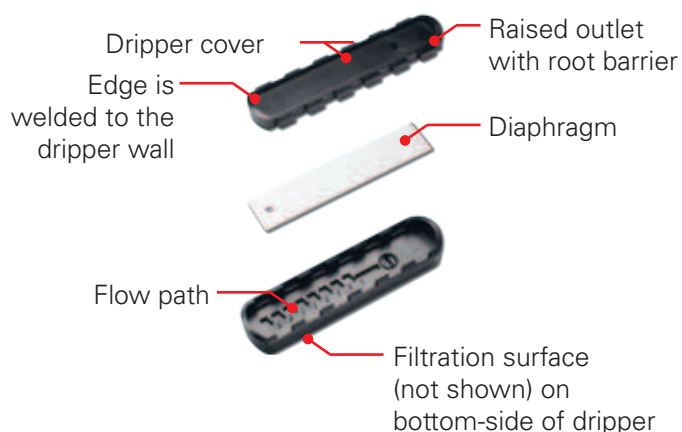
### ANTI-SIPHON MECHANISM

The anti-siphon mechanism blocks contaminants from being drawn in to the dripper from outside, making it the ideal dripperline for sub-surface installations



Water flows through the tubing and enters the dripper through the inlet filter. The filter blocks dirt and debris from entering, ensuring only clean water enters the dripperline.

### EXPLODED VIEW OF TECHLINE™ CV DRIPPER





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### Techline™ CV 16012 • Drippers technical data

FLOW RATE L/H	WORKING PRESSURE RANGE (BAR)	WATER PASSAGE DIMENSIONS (MM)			FILTRATION AREA (MM <sup>2</sup> )	CONSTANT K	EXPONENT*
		WIDHT	DEPHT	LENGTH			
1.0	1.0 – 4.0	0.83	0.74	40	130	1.0	0
1.6	1.0 – 4.0	1.26	0.70	40	130	1.6	0
2.3	1.0 – 4.0	1.26	1.00	40	130	2.3	0

\*Within working pressure range.

### Techline™ CV 16012 • Flow liter/hour per 100 m

DRIPPERS SPACING (M.)	DRIPPER FLOW RATE (L/H.)		
	1.0	1.6	2.3
0.3	333.3	533.3	766.7
0.4	250.0	400.0	575.0
0.5	200.0	320.0	460.0
1.0	100.0	160.0	230.0

### Techline™ CV 16012 • Max. lateral length • I.D. Ø 14.20 • Inlet pressure 3.0 bar

DRIPPER FLOW RATE (L/H.)	SPACING BETWEEN DRIPPERS(M)			
	0.3	0.4	0.5	1.0
1.0	189	243	294	515
1.6	139	178	216	380
2.3	109	141	171	301

Calculated on a plain area. Minimum pressure considered: 0.5 bar. For more information, please contact Netafim™ technical support.

### Techline™ CV 16012 • Dripperline technical data

MODEL	INSIDE Ø (MM)	WALL THICKNESS (MM)	OUTSIDE Ø (MM)	MAX. WORKING PRESSURE (BAR)	KD
16012	14.20	1.2	16.60	4.0	1.3





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Techline™ CV 16012 • Ordering guide • Catalog number **14700** - (any of below 6 digits)

FLOW RATE (L/H)	DISTANCE BETWEEN DRIPPERS (M)															
	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	1.00	1.00	1.00	1.00
1.0							002750									
1.6			002800													
2.3										006200	006250	006300				
COIL LENGTH (M)	25	50	100	400	25	50	100	400	25	50	100	400	25	50	100	400

\* Missing catalog numbers available upon request

Techline™ CV 16012 • Dripperline package data

WALL THICKNESS (MM)	COIL LENGTH (M)	DISTANCE BETWEEN DRIPPERS (METER)	COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (METERS)	COILS IN A 20 FEET CONTAINER (UNITS)	TOTAL IN A 20 FEET CONTAINER (METERS)
1.2	400	0.2-1.0	21.2	352	140800	176	70400
1.2	100	0.2-1.0	5.3	900	90000	450	45000
1.2	50	0.2-1.0	2.7	1440	72000	720	36000
1.2	25	0.2-1.0	1.5	1920	48000	960	24000




## 16 MM DRIPPERLINE CONNECTORS


### FEATURES & ADVANTAGES


- Barbed fittings ensure secure fit without glue or bands
- Maximum recommended usage pressure: 4.0 bar
- UV-resistant
- Easy to use


### APPLICATIONS


- Fits Techline™ CV 16 mm
- 16 mm fittings – black color


<b>DESCRIPTION</b>	Coupling barb 16 x 16		
<b>CATALOG NUMBERS</b>	1 unit	32500-010700	
	50 units/bag	32500-010720	
	100 units/bag	32500-010730	


<b>DESCRIPTION</b>	Elbow barb 16 x 16		
<b>CATALOG NUMBERS</b>	1 unit	32500-012500	
	50 units/bag	32500-012520	
	100 units/bag	32500-012530	


<b>DESCRIPTION</b>	"T" barb 16 x 16 x 16		
<b>CATALOG NUMBERS</b>	1 unit	32500-011300	
	50 units/bag	32500-011320	
	100 units/bag	32500-011330	


<b>DESCRIPTION</b>	"8" line end 16 mm		
<b>CATALOG NUMBERS</b>	1 unit	32500-013000	
	50 units/bag	32500-013020	
	100 units/bag	32500-013030	


<b>DESCRIPTION</b>	Straight barb 16 threaded male 1/2"		
<b>CATALOG NUMBERS</b>	1 unit	32500-010900	
	50 units/bag	32500-010920	
	100 units/bag		


<b>DESCRIPTION</b>	Straight barb 16 threaded male 3/4"		
<b>CATALOG NUMBERS</b>	1 unit	32500-011000	
	50 units/bag	32500-011020	
	100 units/bag	32500-011030	


<b>DESCRIPTION</b>	Elbow barb 16 threaded male 1/2"		
<b>CATALOG NUMBERS</b>	1 unit	32500-012700	
	50 units/bag	32500-012720	
	100 units/bag	32500-012730	

<b>DESCRIPTION</b>	Elbow barb 16 threaded male 3/4"		
<b>CATALOG NUMBERS</b>	1 unit	32500-012800	
	50 units/bag	32500-012820	
	100 units/bag	32500-012830	

<b>DESCRIPTION</b>	"Y" barb 16 x 2 threaded male 3/4"		
<b>CATALOG NUMBERS</b>	1 unit	32500-011200	
	50 units/bag	32500-011220	
	100 units/bag	32500-011230	


<b>DESCRIPTION</b>	"T" barb 16 x 2 threaded male 3/4"		
<b>CATALOG NUMBERS</b>	1 unit	32500-011800	
	50 units/bag	32500-011820	
	100 units/bag		


<b>DESCRIPTION</b>	"T" barb 16 x 2 threaded female 3/4"		
<b>CATALOG NUMBERS</b>	1 unit	32500-011700	
	50 units/bag	32500-011720	
	100 units/bag		


<b>DESCRIPTION</b>	Barb 16 mm threaded loose female 3/4"		
<b>CATALOG NUMBERS</b>	1 unit	32500-011100	
	50 units/bag		
	100 units/bag		





## 16 MM. DRIPPERLINE FITTINGS , ACCESORIES AND TOOLS


<b>DESCRIPTION</b>	DNL barb 16 adapter FTH 1/2"		
<b>CATALOG NUMBERS</b>	1 unit	32500-013380	
	50 units/bag		
	100 units/bag	32500-013390	


<b>DESCRIPTION</b>	DNL – Dripperline non leakage 1/2" male threaded connector, shuts-off at 0.2 bar, red		
<b>CATALOG NUMBERS</b>	1 unit	32000 - 003550	
	50 units/bag		
	100 units/bag		


<b>DESCRIPTION</b>	DNL – Dripperline non leakage 1/2" male threaded connector, shuts-off at 0.4 bar, black		
<b>CATALOG NUMBERS</b>	1 unit	32000-003560	
	50 units/bag		
	100 units/bag		


<b>DESCRIPTION</b>	DNL - Dripperline non leakage 1/2" male threaded connector , shuts-off at 0.6 bar, brown		
<b>CATALOG NUMBERS</b>	1 unit	32000-003570	
	50 units/bag		
	100 units/bag		


<b>DESCRIPTION</b>	Start connector for PE, barb 16		
<b>CATALOG NUMBERS</b>	1 unit	32500-013750	
	50 units/bag	32500-013760	
	100 units/bag	32500-013765	


<b>DESCRIPTION</b>	Start for PVC barb 16 w/seal, model P		
<b>CATALOG NUMBERS</b>	1 unit	32500- 013770	
	50 units/bag	32500-013785	
	100 units/bag		


<b>DESCRIPTION</b>	8 mm hole-puncher for start connectors		
<b>CATALOG NUMBERS</b>	1 unit	45000-001400	
	50 units/bag		
	100 units/bag		


<b>DESCRIPTION</b>	8 mm thread in punch for start connectors		
<b>CATALOG NUMBERS</b>	1 unit	45000-003150	
	50 units/bag		
	100 units/bag		

<b>DESCRIPTION</b>	Metal stabilizer, 4 mm (height 14 cm)		
<b>CATALOG NUMBERS</b>	1 unit	32000-001600	
	50 units/bag		
	100 units/bag		

<b>DESCRIPTION</b>	Stabilizer for 16 mm pipe		
<b>CATALOG NUMBERS</b>	1 unit	32000-006500	
	50 units/bag	32000-006510	
	100 units/bag	32000-006520	

<b>DESCRIPTION</b>	Plug		
	To plug outlet of integral dripper Fit for : Techline™ CV		
<b>CATALOG NUMBERS</b>	100 units/bag	32000-011000	
	1000 units/bag	32000-011050	

<b>DESCRIPTION</b>	Adapter		
	To connect outlet hole of integral dripper to a Netafim™ manifold. Fit for : Techline™ CV		
<b>CATALOG NUMBERS</b>	100 units/bag	32000-011200	
	1000 units/bag	32000-011250	

<b>DESCRIPTION</b>	Ring adapter Outlet: barb 3*5, colored brown (flow up to 4l/h)		
	To connect outlet hole of an integral dripper to a 3*5 micro-tube		
<b>CATALOG NUMBERS</b>	1 unit	32000-006400	
	50 units/bag	32000-006420	
	100 units/bag		

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