

Techline™ CV

Integral pressure-compensated, continuously self-flushing, anti-siphon and anti-drain mechanism dripper, ideal for intensive irrigation. Dripline colored brown for landscape applications.



Pressure-compensated



Anti-drain mechanism



Self-flushing mechanism

/ Benefits & Features

- **Pressure-compensated** Precise and equal amounts of water delivered over a broad pressure range, ensuring 100% uniformity of water and nutrient distribution along the laterals.
- **Anti-siphon mechanism** Prevents contaminants from being drawn into the dripper, making it ideal for sub surface applications.
- **Anti-drain mechanism (CV)** Eliminates drainage and refill effect, and improves efficiency in pulse irrigation even in steep topography.
- **Continuously self-flushing** Flushes debris throughout operation, while ensuring constant dripper operation even in challenging water quality.
- **Physical root barrier** Better protection against root intrusion, utilizing unique dripper design that creates physical barriers protecting the dripper from root growth into its labyrinth.
- **Wide filtration area** Ensures optimal performance even under harsh water conditions, preventing the entrance of sediment into the labyrinths.
- **TurboNet™** Labyrinth ensures wide water passages, to increase flushing efficiency. The water is drawn into the dripper from the stream center, preventing the entrance of sediment into the drippers.

/ Specifications

- ✓ Pressure-compensated range according to table below.
- ✓ Largest filter in the industry. Recommended filtration: 130 micron / 120 mesh. Filtration method selected based on the kind and concentration of dirt particles contained in the water. Wherever sand exceeding 2 ppm exists in the water, a Hydrocyclone shall be installed before the main filter. Where sand/silt/clay solids exceed 100 ppm, pre treatment shall be applied following Netafim expert instructions.
- ✓ Double TurboNet™ labyrinth with large water passage.
- ✓ Weldable into thick wall driplines (1.00, 1.20 mm).
- ✓ Injected dripper, very low CV with injected silicon diaphragm.
- ✓ High UV resistance. Resistant to standard nutrients used in landscape.
- ✓ Meets ISO 9261 Standards with Israel Standard Institute (SII)-certified production.

→ Drippers technical data

Flow rate* (l/h)	Working pressure range (bar)	Water passages dimensions width-depth-length (mm)	Filtration area (mm ²)	Constant K	Exponent* X	Recommended filtration (micron)/(mesh)	Shut off pressure (bar)
1.0	1.0 – 4.0	0.83 x 0.74 x 40	130	1.0	0	130/120	0.14
1.6		1.09 X 0.76 x 40	130	1.6	0	130/120	0.14
2.3		1.26 x 0.93 x 40	130	2.3	0	130/120	0.14
3.5		1.59 x 1.07 x 40	150	3.5	0	130/120	0.14

* Within working pressure range

→ Driplines technical data

Model	Inside diameter (mm)	Wall thickness (mm)	Outside diameter (mm)	Max. working pressure (bar)	KD
16012	14.20	1.20	16.60	4.0	1.3

→ Driplines package data (on bundled coil)

Model	Distance between drippers (m)	Coil length (m)	Average* coil weight (kg)	Coils in a 40 feet container (units)	Total in a 40 feet container (m)	Coils in a 20 feet container (units)	Total in a 20 feet container (m)
16012	0.20 to 1.00	50	2.9	1440	72000	720	36000
		100	5.9	960	96000	480	48000
		200	11.7	480	96000	240	48000
		400	23.5	352	140800	176	70400

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

→ Catalog numbers

Techline™ CV 16012

Catalog number: 14700 - (any of bellow 6 digits)

Flow rate (l/h)	Distance between drippers (m)																
	0.30	0.40	0.50	1.00	0.30	0.40	0.50	1.00	0.30	0.40	0.50	1.00	0.30	0.40	0.50	1.00	
1.0						002750	002760									000001	
1.6					002800				002850								
2.3							006250							005900		006300	
3.5																	
Bundled coil length (m)	50	50	50	50	100	100	100	100	200	200	200	200	400	400	400	400	

Missing catalog numbers available upon request