

# PC on line dripper

On line pressure-compensated, continuously self-flushing dripper, for permanent irrigation applications such as greenhouses, nurseries, citrus, orchards, deciduous, tree irrigation.



Pressure-compensated



Anti-drain mechanism (optional)



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-drain mechanism (LCNL & HCNL)** Eliminates drainage and refill effect, and improves efficiency in pulse irrigation even in steep topography (optional).
- **Continuously self-flushing** Flushes debris throughout operation, while ensuring constant dripper operation even in challenging water quality.
- **Wide water passages** TurboNet™ labyrinth ensures wide water passages, large deep and wide cross-section that improves clogging resistance. The water is drawn into the dripper from the stream center, preventing the entrance of sediment into the drippers.
- **Flexible location** Drippers can be positioned exactly where required. Number of drippers can be increased to increase the water quantities applied.  
Allows the installation of “spider assembly”, splitting the drip supply to a number of drip outlets.

## / Specifications

- Pressure-compensated range according to tables below.
- 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 should be installed before the main filter. Where sand/silt/clay solids exceed 100 ppm, pre treatment it should be applied following Netafim™ expert instructions.
- TurboNet™ labyrinth with large water passage.
- Insertable into thick wall blank PE pipes (0.90, 1.00, 1.20 mm).
- Injected dripper, very low CV with injected silicon diaphragm.
- High UV resistant. Resistant to standard nutrients used in agriculture.
- Compliance ISO 9261 international standards.
- 2 different outlets: nipple, flat.

## → Drippers technical data

### PC drippers

Flow rate* (l/h)	Working pressure range (bar)	Water passages dimensions width-depth-length (mm)	Filtration area (mm <sup>2</sup> )	Constant K	Exponent* X	Base code color	Cap color code
2.0	0.5 – 4.0	1.17 x 1.04 x 61	2.0	2.0	0	Red	Black
4.0		1.32 x 1.44 x 60	2.0	4.0	0	Black	Black
8.5		1.60 x 1.60 x 17	2.0	8.5	0	Green	Black

\*Within working pressure range

## → Drippers technical data

### PC LCNL drippers

Flow rate* (l/h)	Working pressure range (bar)	Water passages dimensions width-depth-length (mm)	Filtration area (mm <sup>2</sup> )	Constant K	Exponent* X	Shut off pressure (bar)	Base code color	Cap color code
2.0	1.0 – 4.0	1.17 x 1.04 x 61	2.0	2.0	0	0.15	Red	Brown
4.0		1.32 x 1.44 x 60	2.0	4.0	0	0.15	Black	Brown
8.5		1.60 x 1.60 x 17	2.0	8.5	0	0.15	Green	Brown

\* Within working pressure range

## → Drippers technical data

### PC HCNL drippers

Flow rate* (l/h)	Working pressure range (bar)	Water passages dimensions width-depth-length (mm)	Filtration area (mm <sup>2</sup> )	Constant K	Exponent* X	Shut off pressure (bar)	Base code color	Cap color code
3.0	1.4 – 4.0	1.17 x 1.04 x 61	2.0	3.0	0	0.30	Black	Black
6.0		1.32 x 1.44 x 60	2.0	6.0	0	0.30	Black	Black
12.0		1.60 x 1.60 x 17	2.0	12.0	0	0.30	Black	Black

\* Within working pressure range

## → Kd (minor loss), insertion barb within distribution pipe

Pipe definition	Inside diameter (mm)	Kd
12/4	9.80	1.65
16/4	13.20	0.39
20/4	17.00	0.13
25/4	21.20	0.10
12010	10.60	1.61
16010 - 16012	14.20	0.37
20010 - 20012	17.50	0.12

## → Drippers package data

Model	Quantity p/box (units)	Box dimensions (cm x cm x cm)	Box weight (kg)	Boxes per pallet (units)	Pallet size (cm x cm x cm)	Pallet weight (kg)
PC & PC LCNL drippers , flat outlet	2500	57 x 28 x 27	18.0	32	114 x 114 x 112	576
PC , PC LCNL & PC HCNL drippers , nipple outlet	2300	57 x 28 x 27	19.0	32	114 x 114 x 112	608