

# PCJ™ PRO on line dripper

On line compact pressure-compensated, continuously self-flushing dripper, for greenhouses, nurseries, other protected crops applications. For growers who seek uniform and precise irrigation in challenging water quality and intensive irrigation.



Compact size



Pressure-compensated



Anti-drain mechanism (optional)

## / 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 qualities.
- **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.
- Different outlets: nipple (press fit), straight or angled barb to 3 mm ID micro-tube, straight barb to 4 mm ID micro-tube.

## → Drippers technical data

### PCJ™ PRO 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
1.2	0.5 – 4.0	0.70 x 0.84 x 39	2.8	1.2	0	Brown	Black
2.0		0.95 x 0.84 x 39	2.8	2.0	0	Red	Black

\*Within working pressure range

## → Drippers technical data

### PCJ™ PRO 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
1.2	0.7 – 4.0	0.70 x 0.84 x 39	2.8	1.2	0	0.15	Brown	Black
2.0		0.95 x 0.84 x 39	2.8	2.0	0	0.15	Red	Black

\*Within working pressure range

\*\*PCJ™ PRO LCNL is distinguished by the rings around the barb water inlet connector

## → Drippers technical data

### PCJ™ PRO 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
1.2	1.5 – 4.0	0.70 x 0.84 x 39	2.8	1.2	0	0.25	Light brown	Black
2.0		0.95 x 0.84 x 39	2.8	2.0	0	0.25	Pink	Black

\*Within working pressure range

PCJ™ PRO HCNL is distinguished by the base code color and by the rings around the barb water inlet connector

## → 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)
PCJ™ PRO drippers (straight barb 3 and 4 mm and nipple outlet)	6500	36 x 36 x 25	8.8	32	114 x 114 x 112	281
PCJ™ PRO drippers (angled barb 3 mm outlet)	5000	36 x 36 x 25	6.8	32	114 x 114 x 112	218