

# PCJ™ on line dripper

On line compact pressure-compensated, continuously self-flushing dripper, for greenhouses, nurseries, other protected crops applications.



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.
- **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.
- **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 table 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 shall be installed before the main filter. Where sand/silt/clay solids exceed 100 ppm, pre treatment shall 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.
- ✓ Meets ISO 9261 Standards with Israel Standard Institute (SII)-certified production.
- ✓ 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™ 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
0.5	0.5 – 4.0	0.54 x 0.60 x 35	2.0	0.5	0	Mustard	Black
1.2		0.67 x 0.77 x 35	2.0	1.2	0	Brown	Black
2.0		0.98 x 0.79 x 35	2.0	2.0	0	Red	Black
3.0		1.03 x 1.07 x 35	2.0	3.0	0	Blue	Black
4.0		1.32 x 0.92 x 35	2.0	4.0	0	Gray	Black
8.0		1.60 x 1.08 x 35	2.0	8.0	0	Green	Black
12.0		1.60 x 1.08 x 17	2.0	12.0	0	Fuchsia	Black
15.0		1.60 x 1.08 x 17	2.0	15.0	0	Black	Black

\*Within working pressure range

## → Drippers technical data

PCJ™ 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
0.5	0.7 – 4.0	0.54 x 0.60 x 35	2.0	0.5	0	0.12	Mustard	Black
1.2		0.67 x 0.77 x 35	2.0	1.2	0	0.12	Brown	Black
2.0		0.98 x 0.79 x 35	2.0	2.0	0	0.12	Red	Black
3.0		1.03 x 1.07 x 35	2.0	3.0	0	0.12	Blue	Black
4.0		1.32 x 0.92 x 35	2.0	4.0	0	0.12	Gray	Black
8.0		1.60 x 1.08 x 35	2.0	8.0	0	0.12	Green	Black
12.0		1.60 x 1.08 x 17	2.0	12.0	0	0.12	Fuchsia	Black
15.0		1.60 x 1.08 x 17	2.0	15.0	0	0.12	Black	Black

\*Within working pressure range

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

## → Drippers technical data

PCJ™ 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
0.5	1.5 – 4.0	0.54 x 0.60 x 35	2.0	0.5	0	0.18	Light yellow	Black
1.2		0.67 x 0.77 x 35	2.0	1.2	0	0.18	Light brown	Black
2.0		0.98 x 0.79 x 35	2.0	2.0	0	0.18	Pink	Black
3.0		1.03 x 1.07 x 35	2.0	3.0	0	0.18	Light blue	Black
4.0		1.32 x 0.92 x 35	2.0	4.0	0	0.18	Light gray	Black

\*Within working pressure range

\*\*PCJ™ 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)	Average box weight (kg)
PCJ™ drippers (straight barb 3 and 4 mm and nipple outlet)	13000	57 x 28 x 27	14.0
PCJ™ drippers (angled barb 3 mm outlet)	7500	57 x 28 x 27	8.5

06-0323-DRP-PS-0027-EN