

# 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

## / 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 (LCNL & HCNL) mechanism** 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 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.
- ✓ High UV resistant. Resistant to standard nutrients used in agriculture.
- ✓ Meets ISO 9261 Standards with Israel Standard Institute (SII)-certified production.
- ✓ 3 different outlets: nipple, barb to 3 mm ID, 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	0.5 – 4.0	0.67 x 0.77 x 35	2.0	1.2	0	Brown	Black
2.0	0.5 – 4.0	0.98 x 0.79 x 35	2.0	2.0	0	Red	Black
3.0	0.5 – 4.0	1.03 x 1.07 x 35	2.0	3.0	0	Blue	Black
4.0	0.5 – 4.0	1.32 x 0.92 x 35	2.0	4.0	0	Gray	Black
8.0	0.5 – 4.0	1.60 x 1.08 x 35	2.0	8.0	0	Green	Black
12.0	0.5 – 4.0	1.60 x 1.08 x 17	2.0	12.0	0	Fuchsia	Black
15.0	0.5 – 4.0	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	0.7 – 4.0	0.67 x 0.77 x 35	2.0	1.2	0	0.12	Brown	Black
2.0	0.7 – 4.0	0.98 x 0.79 x 35	2.0	2.0	0	0.12	Red	Black
3.0	0.7 – 4.0	1.03 x 1.07 x 35	2.0	3.0	0	0.12	Blue	Black
4.0	0.7 – 4.0	1.32 x 0.92 x 35	2.0	4.0	0	0.12	Gray	Black
8.0	0.7 – 4.0	1.60 x 1.08 x 35	2.0	8.0	0	0.12	Green	Black
12.0	0.7 – 4.0	1.60 x 1.08 x 17	2.0	12.0	0	0.12	Fuchsia	Black
15.0	0.7 – 4.0	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	1.5 – 4.0	0.67 x 0.77 x 35	2.0	1.2	0	0.18	Light brown	Black
2.0	1.5 – 4.0	0.98 x 0.79 x 35	2.0	2.0	0	0.18	Pink	Black
3.0	1.5 – 4.0	1.03 x 1.07 x 35	2.0	3.0	0	0.18	Light blue	Black
4.0	1.5 – 4.0	1.32 x 0.92 x 35	2.0	4.0	0	0.18	Light gray	Black

\*Within working pressure range

## → DRIPPERS PACKAGE DATA

	QUANTITY P/BOX UNITS	BOX DIMENSIONS (CM X CM X CM)	AVERAGE BOX WEIGHT (KG)
PCJ drippers ( all the models)	13000	57 x 28 x 27	14.0