

PCJ dripper

Compact on line pressure-compensated, continuously self-flushing dripper for greenhouses, nurseries, and other protected crops applications



Compact size



Pressure-compensated



Anti-Drain mechanism

/ Benefits & Features

- **Pressure-compensated** Compact size online pressure-compensated dripper that delivers precise and equal amounts of water 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, large deep and wide cross section that improves clogging resistance.
- **Flexible location** Dripper can be positioned exactly where required and number of drippers can be increased so as to increase water quantity supply aimed at meeting plant growth rate requirement. Allows the installation of "spider assembly", splitting the drip supply into a number of dripping outlets.

/ Specifications

- ✓ 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.
- ✓ 3 different outlets: nipple, barb to 3 mm ID and barb to 4 mm ID micro-tube.
- ✓ High UV resistant. Resistant to standard nutrients used in agriculture.
- ✓ PCJ on line drippers meet ISO 9261 Standards with Israel Standard Institute (SII)-certified production.

→ DRIPPERS TECHNICAL DATA

PCJ drippers

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM)	FILTRATION AREA (MM ²)	CONSTANT K	EXPONENT* X	BASE CODE COLOR	CAP COLOR CODE
0.5	0.5 – 4.0	0.54 x 0.60 x 35	1.8	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 ²)	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	1.8	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 ²)	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	1.8	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