

PCJ-HF on line bubbler

On line compact pressure-compensated high flow emitter, for permanent irrigation such as landscape, trees, fruit trees with large treetops.



Pressure-compensated



Anti-Drain mechanism



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 (LCNL) 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 emitter operation even in challenging water qualities.
- **Flexible location** Emitters can be positioned exactly where required. Number of emitters 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.
- ✓ Internal very large water passages.
- ✓ Insertable into thick wall blank PE pipes (0.90, 1.00, 1.20 mm).
- ✓ Injected bubbler, very low CV.
- ✓ High UV resistant. Resistant to standard nutrients used in agriculture.
- ✓ 4 different outlets: nipple, nipple with assembled cap, barb to 3 mm ID, barb to 4 mm ID micro-tube.

→ BUBBLER TECHNICAL DATA

PCJ-HF bubblers

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS (MM)	FILTRATION AREA (MM ²)	CONSTANT K	EXPONENT* X	BASIS CODE COLOR	CAP COLOR CODE
20	1.0 – 4.0	1.4 x 1.1	2.0	20	0	Orange	Black
25	1.0 – 4.0	1.4 x 1.1 + 0.4 x 2.1	2.0	25	0	Orange	Light grey
30	1.0 – 4.0	1.4 x 1.1 + 0.7 x 2.1	2.0	30	0	Orange	Brown
35	1.0 – 4.0	1.4 x 1.1 + 1.0 x 2.1	2.0	35	0	Orange	Light blue
40	1.3 – 4.0	1.4 x 1.1 + 1.0 x 2.6	2.0	40	0	Orange	Blue

*Within working pressure range

→ BUBBLER TECHNICAL DATA

PCJ-HF-LCNL bubblers

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS (MM)	FILTRATION AREA (MM ²)	CONSTANT K	EXPONENT* X	SHUT OFF PRESSURE (BAR)	BASIS CODE COLOR**	CAP COLOR CODE
20	1.0 – 4.0	1.4 x 1.1	2.0	20	0	0.12	Orange	Black
25	1.0 – 4.0	1.4 x 1.1 + 0.4 x 2.1	2.0	25	0	0.12	Orange	Light grey
30	1.0 – 4.0	1.4 x 1.1 + 0.7 x 2.1	2.0	30	0	0.12	Orange	Brown
35	1.0 – 4.0	1.4 x 1.1 + 1.0 x 2.1	2.0	35	0	0.12	Orange	Light blue
40	1.3 – 4.0	1.4 x 1.1 + 1.0 x 2.6	2.0	40	0	0.12	Orange	Blue

*Within working pressure range

**CNL bubblers is distinguished by the rings around the inlet barb connector

→ BUBBLERS PACKAGE DATA

	QUANTITY P/BOX UNITS	BOX DIMENSIONS (CM X CM X CM)	AVERAGE BOX WEIGHT (KG)
PCJ-HF bubblers	9500	57 x 28 x 27	14.0