



PC DRIPPER

ON-LINE PRESSURE-COMPENSATING,
CONTINUOUSLY SELF-CLEANING DRIPPER

APPLICATIONS:

- Greenhouses, nurseries, citrus,
- Orchards, deciduous and tree irrigation

SPECIFICATIONS:

- Recommended filtration: 130 micron / 120 mesh.
Filtration method is to be selected based on the kind and concentration of the dirt particles existing in the water. Wherever sand exceeding 2 ppm exists in the water, a Hydrocyclon filter is to be installed before the main filter. When sand/ silt/ clay solids exceed 100ppm, pre treatment will be applied according to Netafim™ expert team's instructions.
- TurboNet™ labyrinth with large water passage.
- To be "inserted" into thick-walled pipes (0.9, 1.0 and 1.2 mm.)
- Injected dripper, very low CV.
- UV resistant. Resistant to standard nutrients used in agricultural.
- PC on-line drippers meet ISO 9261 Standards with production certified by the Israel Standards Institute (SII).

FEATURES AND BENEFITS:

- Pressure compensated : Precise and equal amounts of water are delivered over a broad pressure range. 100 % uniformity of water and nutrient distribution along the laterals.
- PC-LCNL & PC-HCNL with Anti-drain (LCNL & HCNL) : Eliminates drainage and refill effect, and improves efficiency in pulse irrigation
- Continuously self flushing : Flushes debris as it is detected, throughout operation, not just at the beginning or end of a cycle, ensuring uninterrupted dripper operation.
- TurboNet™ labyrinth assures wide water passages, large deep and wide cross section improves clogging resistance. Widest water passages within the dripper.
- Dripper can be positioned exactly where required.
- Number of drippers can be increased so as to increase water quantity supply aimed at meeting tree growth rate requirement.
- Allows the installation of "spider assembly", splitting the drip supply into a number of drip outlets.

DRIPPERS TECHNICAL DATA

PC 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 |
|---------------------|------------------------------------|--|--|---------------|----------------|--------------------|-------------------|
| 2.0 | 0.5 – 4.0 | 1.17 x 1.07 x 61 | 2.0 | 2.0 | 0 | Red | Black |
| 4.0 | 0.5 – 4.0 | 1.32 x 1.40 x 60 | 2.0 | 4.0 | 0 | Black | Black |
| 8.5 | 0.5 – 4.0 | 1.60 x 1.60 x 17 | 2.0 | 8.5 | 0 | Green | Black |

*Within working pressure range

PC-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 |
|---------------------|------------------------------------|--|--|---------------|----------------|-------------------------------|-----------------------|----------------------|
| 2.0 | 1.0 – 4.0 | 1.17 x 1.07 x 61 | 2.0 | 2.0 | 0 | 0.15 | Red | Brown |
| 4.0 | 1.0 – 4.0 | 1.32 x 1.40 x 60 | 2.0 | 4.0 | 0 | 0.15 | Black | Brown |
| 8.5 | 1.0 – 4.0 | 1.60 x 1.60 x 17 | 2.0 | 8.5 | 0 | 0.15 | Green | Brown |

* Within working pressure range

PC-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 |
|---------------------|------------------------------------|--|--|---------------|----------------|-------------------------------|-----------------------|----------------------|
| 3.0 | 1.4 – 4.0 | 1.17 x 1.07 x 61 | 2.0 | 3.0 | 0 | 0.30 | Black | Black |
| 6.0 | 1.4 – 4.0 | 1.32 x 1.40 x 60 | 2.0 | 6.0 | 0 | 0.30 | Black | Black |
| 12.0 | 1.4 – 4.0 | 1.60 x 1.60 x 17 | 2.0 | 12.0 | 0 | 0.30 | Black | Black |

* Within working pressure range

DRIPPERS PACKAGE DATA

| MODEL | QUANTITY P/BOX (UNITS) | BOX DIMENTIONS (CM. X CM. X CM.) | BOX WEIGHT (KG.) AVERAGE |
|--|---------------------------|-------------------------------------|-----------------------------|
| PC and PC-LCNL drippers , flat model | 2500 | 57 x 28 x 27 | 18 |
| PC , PC-LCNL and PC-HCNL drippers , nipple model | 2500 | 57 x 28 x 27 | 19 |