

# PC dripper

On line pressure-compensated dripper for permanent irrigation applications such as greenhouses, nurseries, citrus, orchards, deciduous and tree irrigation



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 & 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.
- ✓ High UV resistant. Resistant to standard nutrients used in agriculture.
- ✓ PC on line drippers meet ISO 9261 Standards with Israel Standard Institute (SII)-certified production.

## → DRIPPERS TECHNICAL DATA

PC 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 |
|------------------|------------------------------|---|------------------------------------|------------|-------------|-----------------|----------------|
| 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 1.44 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

## → DRIPPERS TECHNICAL DATA

PC-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 |
|------------------|------------------------------|---|------------------------------------|------------|-------------|-------------------------|-----------------|----------------|
| 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 1.44 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

## → DRIPPERS TECHNICAL DATA

PC-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 |
|------------------|------------------------------|---|------------------------------------|------------|-------------|-------------------------|-----------------|----------------|
| 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 1.44 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 DIMENSIONS (CM X CM X CM) | BOX WEIGHT (KG) |
|--|----------------------|-------------------------------|-----------------|
| PC & PC-LCNL drippers , flat model             | 2500                 | 57 x 28 x 27                  | 18              |
| PC , PC-LCNL & PC-HCNL drippers , nipple model | 2500                 | 57 x 28 x 27                  | 19              |