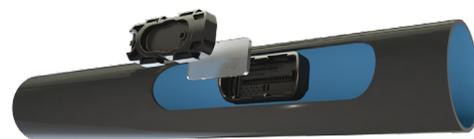




DRIPNET PC™ HWD

COMPACT INTEGRAL PRESSURE-COMPENSATING,
CONTINUOUSLY SELF-CLEANING DRIPPER



12009 - 12010 - 16009 - 16010 - 16012 - 20010 - 20012 - 23009

APPLICATIONS

On-surface multi seasonal row crops.

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.
- Continuously self flushing: Continuously flushing debris, throughout operation, not just at the beginning or end of a cycle, ensuring uninterrupted dripper operation.
- Self-flushing system with wide filtration area improves resistance to clogging Which allows reduction in the filtration requirements and increasing the filtration efficiency.
- TurboNet™ labyrinth assures wide water passages, large deep and wide cross section improves clogging resistance.
- The water is drawn in to the dripper from the stream center, preventing the entrance of sediments in to the drippers.

SPECIFICATIONS

- Pressure-compensating range: 0.25/ 0.40/ 0.60-2.5/ 3.0/ 3.5 bar (according to flow rate model).
- Recommended filtration: according to drippers flow rate.
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 Hydrocyclone is to be installed before the main filter. When sand/ silt/ clay solids exceed 100 ppm, pre treatment will be applied according to Netafim™ expert team's instructions.
- TurboNet™ labyrinth with large water passage.
- To be "welded" into thick-walled dripperlines (0.90, 1.00, 1.20 mm).
- Injected dripper, very low CV.
- Injected silicon diaphragm.
- High UV resistant. Resistant to standard nutrients used in agricultural.
- DripNet PC™ dripperlines meet ISO 9261 Standards with production certified by the Israel Standards Institute (SII).

DRIPPERS TECHNICAL DATA

| FLOW RATE* (L/H) | WORKING PRESSURE RANGE (BAR) | WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM) | FILTRATION AREA (MM ²) | CONSTANT K | EXPONENT* | RECOMMENDED FILTRATION (MICRON)/(MESH) |
|---------------------|------------------------------------|---|---------------------------------------|---------------|-----------|--|
| 0.4 | 0.25 - 2.5 | 0.52 x 0.60 x 22 | 29 | 0.4 | 0 | 130/120 |
| 0.6 | 0.25 - 2.5 | 0.61 x 0.60 x 8 | 39 | 0.6 | 0 | 130/120 |
| 1.0 | 0.40 - 3.0 | 0.76 x 0.73 x 8 | 39 | 1.0 | 0 | 130/120 |
| 1.6 | 0.40 - 3.0 | 0.84 x 0.80 x 8 | 39 | 1.6 | 0 | 200/80 |
| 2.0 | 0.40 - 3.5 | 1.02 x 0.88 x 8 | 39 | 2.0 | 0 | 200/80 |
| 3.0 | 0.40 - 3.5 | 1.02 x 0.88 x 8 | 39 | 3.0 | 0 | 200/80 |
| 3.8 | 0.60 - 3.5 | 1.02 x 0.88 x 8 | 39 | 3.8 | 0 | 200/80 |

* Within working pressure range

DRIPPERLINES TECHNICAL DATA

| MODEL | INSIDE DIAMETER (MM) | WALL THICKNESS (MM) | OUTSIDE DIAMETER (MM) | MAX. WORKING PRESSURE (BAR) | MAXIMUM FLUSHING PRESSURE (BAR) | KD |
|-------|-------------------------|------------------------|--------------------------|--------------------------------|------------------------------------|------|
| 12009 | 10.6 | 0.9 | 12.4 | 2.5/3.0/3.5 | 3.9 | 2.85 |
| 12010 | 10.6 | 1.0 | 12.6 | | 4.6 | 2.85 |
| 16009 | 14.2 | 0.9 | 16.0 | | 3.9 | 0.72 |
| 16010 | 14.2 | 1.0 | 16.2 | | 4.6 | 0.72 |
| 16012 | 14.2 | 1.2 | 16.6 | | 5.2 | 0.72 |
| 20010 | 17.5 | 1.0 | 19.5 | | 4.6 | 0.25 |
| 20012 | 17.5 | 1.2 | 19.9 | | 5.2 | 0.25 |
| 23009 | 20.8 | 0.9 | 22.6 | | 3.5 | 0.20 |

* Maximum working pressure is defined by the dripper and not by the dripperline wall thickness

DRIPPERLINES PACKAGE DATA (ON BUNDLED COILS)

| MODEL | WALL THICKNESS (MM) | COIL LENGTH (M) | DISTANCE BETWEEN DRIPPERS (M) | AVERAGE* COIL WEIGHT (KG) | COILS IN A 40 FEET CONTAINER (UNITS) | TOTAL IN A 40 FEET CONTAINER (M) |
|---------|------------------------|--------------------|-------------------------------------|---------------------------------|--|--|
| 12009 | 0.9 | 500 | 0.15 to 1.00 | 16.5 | 384 | 192000 |
| 12010 | 1.0 | 500 | 0.15 to 1.00 | 18.3 | 384 | 192000 |
| 16009 | 0.9 | 500 | 0.15 to 1.00 | 18.5 | 330 | 165000 |
| 16010 | 1.0 | 500 | 0.15 to 1.00 | 20.4 | 330 | 165000 |
| 16012 | 1.2 | 400 | 0.15 to 1.00 | 19.2 | 352 | 140800 |
| 20010 | 1.0 | 300 | 0.15 to 1.00 | 16.3 | 330 | 99000 |
| 20012 | 1.2 | 300 | 0.15 to 1.00 | 19.5 | 330 | 99000 |
| 23009** | 0.9 | 350 | 0.15 to 0.20 | 22.5 | 480 | 168000 |
| | | 400 | 0.25 to 1.00 | 25.0 | | 192000 |

* According to drippers spacing

** Package only on carton/plastic coils