

DripNet PC™ AS XR HWD

Integral pressure-compensated,
continuously self-flushing, anti-siphon
mechanism with improved resistance to
root intrusion dripper

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



Root intrusion
protection



Pressure-
compensated



Anti-Siphon
mechanism

/ Benefits & Features

- **Physical root barrier** Drippers are protected against root intrusion better than all other options, utilizing a patented root inhibitor within the dripper cover that prevents root intrusion into the dripper labyrinth. Better protection against root intrusion without reliance on chemicals. Long lasting protection due to non migrating active ingredients embedded in the dripper cover.
- **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-Siphon mechanism** Prevents contaminants from being drawn into the dripper, making it ideal for sub surface applications.
- **Continuously self-flushing** Flushes debris, throughout operation, while ensuring constant dripper operation.
- **Wide filtration area** Makes DripNet PC™ highly resistant to clogging with poor quality water, thus increasing filtration efficiency.
- **TurboNet™** Labyrinth ensures wide water passages, to increase flushing efficiency.

/ Specifications

- ✓ Pressure-compensated range: 0.25/ 0.40/ 0.60- 2.5/ 3.0/ 3.5 bar (according to flow rate model & driplines wall-thickness)
- ✓ Anti-Siphon mechanism. Extra protection against root intrusion.
- ✓ Recommended filtration: according to drippers flow rate. 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.
- ✓ Weldable into thick wall driplines (0.90, 1.00, 1.20 mm)
- ✓ Injected dripper, very low CV with injected silicon diaphragm.
- ✓ High UV resistant. Resistant to standard nutrients used in agriculture.
- ✓ DripNet PC™ driplines meet ISO 9261 Standards with Israel Standard Institute (SII)-certified production.

→ 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* X | RECOMMENDED FILTRATION (MICRON)/(MESH) |
|------------------|------------------------------|---|------------------------------------|------------|-------------|--|
| 0.6 | 0.25 - 2.5 | 0.52 x 0.60 x 22 | 42 | 0.6 | 0 | 130/120 |
| 1.0 | 0.40 - 3.0 | 0.61 x 0.60 x 8 | 42 | 1.0 | 0 | 130/120 |
| 1.6 | 0.40 - 3.0 | 0.76 x 0.73 x 8 | 42 | 1.6 | 0 | 200/80 |
| 2.0 | 0.40 - 3.5 | 0.84 x 0.80 x 8 | 42 | 2.0 | 0 | 200/80 |
| 3.0 | 0.40 - 3.5 | 1.02 x 0.88 x 8 | 42 | 3.0 | 0 | 200/80 |
| 3.8 | 0.60 - 3.5 | 1.02 x 0.88 x 8 | 42 | 3.8 | 0 | 200/80 |

* Within working pressure range

→ DRIPLINES TECHNICAL DATA

| MODEL | INSIDE DIAMETER (MM) | WALL THICKNESS (MM) | OUTSIDE DIAMETER (MM) | MAX. WORKING PRESSURE (BAR) | MAXIMUM FLUSHING PRESSURE (BAR) | KD |
|-------|----------------------|---------------------|-----------------------|-----------------------------|---------------------------------|------|
| 12009 | 10.60 | 0.90 | 12.40 | 2.5/3.0/3.5* | 3.9 | 2.85 |
| 12010 | 10.60 | 1.00 | 12.60 | 2.5/3.0/3.5* | 4.6 | 2.85 |
| 16009 | 14.20 | 0.90 | 16.00 | 2.5/3.0/3.5* | 3.9 | 0.72 |
| 16010 | 14.20 | 1.00 | 16.20 | 2.5/3.0/3.5* | 4.6 | 0.72 |
| 16012 | 14.20 | 1.20 | 16.60 | 2.5/3.0/3.5* | 5.2 | 0.72 |
| 20010 | 17.50 | 1.00 | 19.50 | 2.5/3.0/3.5* | 4.6 | 0.25 |
| 20012 | 17.50 | 1.20 | 19.90 | 2.5/3.0/3.5* | 5.2 | 0.25 |
| 23009 | 20.80 | 0.90 | 22.60 | 2.5/3.0* | 3.5 | 0.20 |

*The maximum working pressure is defined by the dripper or by the dripline wall thickness

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)**

| MODEL | WALL THICKNESS (MM) | DISTANCE BETWEEN DRIPPERS (M) | COIL LENGTH (M) | AVERAGE* COIL WEIGHT (KG) | COILS IN A 40 FEET CONTAINER (UNITS) | TOTAL IN A 40 FEET CONTAINER (M) |
|---------|---------------------|-------------------------------|-----------------|---------------------------|--------------------------------------|----------------------------------|
| 12009 | 0.90 | 0.15 to 1.00 | 500 | 16.5 | 384 | 192000 |
| 12010 | 1.00 | 0.15 to 1.00 | 500 | 18.3 | 384 | 192000 |
| 16009 | 0.90 | 0.15 to 1.00 | 500 | 18.5 | 330 | 165000 |
| 16010 | 1.00 | 0.15 to 1.00 | 500 | 20.4 | 330 | 165000 |
| 16012 | 1.20 | 0.15 to 1.00 | 400 | 21.0 | 352 | 140800 |
| 20010 | 1.00 | 0.15 to 1.00 | 300 | 16.3 | 330 | 99000 |
| 20012 | 1.20 | 0.15 to 1.00 | 300 | 20.0 | 330 | 99000 |
| 23009** | 0.90 | 0.15 to 0.25 | 350 | 22.5 | 480 | 168000 |
| | | 0.30 to 1.00 | 400 | 25.0 | | 192000 |

* Calculated weight average. For further details see "Average Coil Weight Disclaimer"

**Dripline model 23009 on carton coil