

DRIPNET PC™

FLAWLESS UNIFORMITY, FAST ROI



PC DRIPLINES

Integral compact pressure-compensated dripper for permanent and semi-permanent applications, for producers who seek fast ROI. Ideal for field crops in complex topography and sub-surface applications.

/Benefits & Features

- **Pressure-compensated** Precise and equal amounts of water delivered over a broad pressure range, ensuring 100% uniformity of water and nutrient distribution.
- **Drainage mechanism** The dripper integrates a drainage mechanism that drains water from the pipe at the end of the irrigation cycle, to allow easier recoiling of the dripline at the end of the crop cycle.
- **Continuously self-flushing** Flushes debris throughout operation, while ensuring constant dripper operation even with challenging water quality.
- **Wide filtration area** Ensures optimal performance even under harsh water conditions, preventing the entrance of sediments into the dripper labyrinth.
- **Wide water passages** The TurboNet™ labyrinth offers wide water passages, large deep and wide cross-section that improves clogging resistance. The water is drawn into the dripper from the stream center, preventing the entrance of sediments into the dripper.

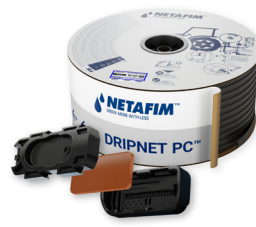
/Specifications

- ✓ Pressure-compensated range according to technical data table.
- ✓ Recommended filtration: depending on dripper flow rate. Filtration method selected based on the kind and concentration of dirt particles 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 thin, medium and heavy wall driplines (0.38, 0.63, 1.00, 1.20 mm).
- ✓ Injected dripper, very low CV with injected silicon diaphragm.
- ✓ High UV resistant. Resistant to standard nutrients used in agriculture.
- ✓ Complies with ISO 9261 standards.
- ✓ DripNet PC™ TWD driplines are available with a flap outlet. DripNet PC™ MWD is available with flap outlet, but may only be used in sub-surface installations. Please consult your local Netafim™ Technical Advisor for use and availability.



DripNet PC™ HWD

Ideal for permanent crops in complex topography



DripNet PC™ TWD & MWD

Ideal for semi- permanent applications.

/Technical Data

DRIPNET PC™ HWD DRIPPER TECHNICAL DATA

| FLOW RATE* (ℓ/H) | WORKING PRESSURE RANGE (BAR) | WATER PASSAGE DIMENSIONS (MM) W x D x L | FILTRATION AREA (MM²) | CONSTANT K | EXPONENT* X | RECOMMENDED FILTRATION (MICRON) |
|------------------|------------------------------|---|-----------------------|------------|-------------|---------------------------------|
| 0.40 | 0.25 - 2.5 | 0.46 x 0.52 x 26 | 29 | 0.40 | 0 | 100 |
| 0.60 | 0.25 - 2.5 | 0.52 x 0.60 x 22 | 39 | 0.60 | 0 | 100 |
| 1.00 | 0.40 - 3.0 | 0.61 x 0.60 x 8 | 39 | 1.00 | 0 | 100 |
| 1.60 | 0.40 - 3.0 | 0.76 x 0.73 x 8 | 39 | 1.60 | 0 | 130 |
| 2.00 | 0.40 - 3.5 | 0.76 x 0.88 x 8 | 39 | 2.00 | 0 | 130 |
| 3.00 | 0.40 - 3.5 | 1.02 x 0.88 x 8 | 39 | 3.00 | 0 | 130 |
| 3.80 | 0.60 - 3.5 | 1.02 x 0.88 x 8 | 39 | 3.80 | 0 | 130 |

* Within the working pressure range

DRIPNET PC™ HWD DRIPLINE TECHNICAL DATA

| MODEL | INSIDE DIAMETER (MM) | WALL THICKNESS (MM) | OUTSIDE DIAMETER (MM) | MAX. WORKING PRESSURE (BAR) | MAX. FLUSHING PRESSURE (BAR) | KD |
|-------|----------------------|---------------------|-----------------------|-----------------------------|------------------------------|------|
| 16010 | 14.20 | 1.00 | 16.20 | 2.5/3.0/3.5* | 4.6 | 0.72 |
| 17010 | 14.40 | 1.00 | 16.40 | 2.5/3.0/3.5* | 4.6 | 0.72 |
| 17012 | 14.60 | 1.20 | 17.00 | 2.5/3.0/3.5* | 5.2 | 0.70 |
| 20010 | 17.50 | 1.00 | 19.50 | 2.5/3.0/3.5* | 4.6 | 0.25 |

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

DRIPNET PC™ TWD & MWD DRIPPER TECHNICAL DATA

| FLOW RATE* (ℓ/H) | WORKING PRESSURE RANGE (BAR) | WATER PASSAGE DIMENSIONS (MM) W x D x L | FILTRATION AREA (MM²) | CONSTANT K | EXPONENT* X | RECOMMENDED FILTRATION (MICRON) |
|------------------|------------------------------|---|-----------------------|------------|-------------|---------------------------------|
| 1.00 | 0.40 - 3.0 | 0.61 x 0.60 x 8 | 42 | 1.00 | 0 | 130 |
| 1.60 | 0.40 - 3.0 | 0.76 x 0.73 x 8 | 42 | 1.60 | 0 | 200 |

* Within the working pressure range

DRIPNET PC™ TWD & MWD DRIPLINE TECHNICAL DATA

| MODEL | INSIDE DIAMETER (MM) | WALL THICKNESS (MM) | OUTSIDE DIAMETER (MM) | MAX. WORKING PRESSURE (BAR) | MAX. FLUSHING PRESSURE (BAR) | KD |
|-------|----------------------|---------------------|-----------------------|-----------------------------|------------------------------|------|
| 16150 | 16.20 | 0.38 | 16.96 | 2.2 | 2.5 | 0.40 |
| 16250 | 15.50 | 0.63 | 16.76 | 2.8 | 3.6 | 0.55 |
| 22150 | 22.20 | 0.38 | 22.96 | 1.8 | 2.1 | 0.18 |
| 22250 | 22.20 | 0.63 | 23.46 | 2.5 | 2.9 | 0.18 |

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