



PC, ON-LINE DRIPPER

ON-LINE PRESSURE COMPENSATED DRIPPER

APPLICATIONS

- Greenhouses, nurseries, citrus, orchards, deciduous and tree irrigation.

SPECIFICATIONS

- Working pressure range: 0.5 to 4.0 bar
- TurboNet™ labyrinth with large water passages.
- 3 different flow rates.
- To be "inserted" into thick-walled pipes (0.9, 1.0 and 1.2 mm.).
- Injected dripper, very low CV.
- PC, On line dripper meet ISO 9261 standards and production is certified by the Israel Standards Institute (SII)

FEATURES AND BENEFITS

- TurboNet™ labyrinth assures wide water passages, large deep and wide cross section improves clogging resistance.
- PC system, patented pressure differential system maintains uniform flow rate at different inlet working pressure (within the working pressure range) ensuring exact distribution of water and nutrients.
- Continuous self-flushing system, improved resistance to clogging.
- 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

| NOMINAL FLOW RATE (L/H.) | WORKING PRESSURE RANGE (BAR) | WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM X MM X 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 | 2.3 | 2.0 | 0 | Red | Black |
| 4.0 | 0.5 – 4.0 | 1.32 x 1.40 x 60 | 2.3 | 4.0 | 0 | Black | Black |
| 8.5 | 0.5 – 4.0 | 1.60 x 1.60 x 17 | 2.3 | 8.5 | 0 | Green | Black |

*Within working pressure range



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PERFORMANCE DATA

PC dripper - PE pipe 16/2.5 - I.D. 13.60 mm. - Inlet pressure 3.0 bar - Kd 0.39

Maximum lateral length (meter)

| FLOW RATE (L/H.) | SPACING BETWEEN DRIPPERS (M.) | | | | | | |
|------------------|-------------------------------|-----|------|-----|-----|-----|------|
| | 0.25 | 0.5 | 0.75 | 1.0 | 1.5 | 3.0 | 5.0 |
| 2.0 | 122 | 208 | 280 | 342 | 453 | 720 | 1005 |
| 4.0 | 78 | 133 | 179 | 220 | 291 | 462 | 650 |
| 8.5 | 48 | 82 | 110 | 136 | 180 | 288 | 400 |

*Calculated in a plain area **Minimum considered pressure : 0.5 bar

PC dripper - PE pipe 20/2.5 - I.D. 17.40 mm. - Inlet pressure 3.0 bar - Kd 0.13

Maximum lateral length (meter)

| FLOW RATE (L/H.) | SPACING BETWEEN DRIPPERS (M.) | | | | | | |
|------------------|-------------------------------|-----|------|-----|-----|------|------|
| | 0.25 | 0.5 | 0.75 | 1.0 | 1.5 | 3.0 | 5.0 |
| 2.0 | 205 | 337 | 446 | 540 | 707 | 1110 | 1545 |
| 4.0 | 131 | 216 | 286 | 347 | 455 | 714 | 995 |
| 8.5 | 81 | 134 | 176 | 215 | 281 | 444 | 615 |

*Calculated in a plain area **Minimum considered pressure : 0.5 bar

PC dripper - PE pipe 25/2.5 - I.D. 22.20 mm. - Inlet pressure 3.0 bar - Kd 0.10



Maximum lateral length (meter)

| FLOW RATE (L/H.) | SPACING BETWEEN DRIPPERS (M.) | | | | | | |
|------------------|-------------------------------|-----|------|-----|------|------|------|
| | 0.25 | 0.5 | 0.75 | 1.0 | 1.5 | 3.0 | 5.0 |
| 2.0 | 312 | 513 | 677 | 821 | 1076 | 1689 | 2350 |
| 4.0 | 199 | 329 | 434 | 527 | 690 | 1086 | 1510 |
| 8.5 | 123 | 203 | 269 | 326 | 428 | 672 | 935 |

*Calculated in a plain area **Minimum considered pressure : 0.5 bar

For more information , please contact Netafim Technical Department or connect to our website at : www.netafim.com

PACKAGING DATA

| DRIPPER PICTURE | DRIPPER MODEL | FLOW RATE (L/H.) | CATALOG NUMBER | QUANTITY/BOX (UNITS) | BOX DIMENSIONS (CM.X CM.X CM.) | BOX WEIGHT (KG.) |
|---|-----------------------------|------------------|----------------|----------------------|--------------------------------|------------------|
|  | PC dripper | 2.0 | 21000-001000 | 2500 | 57 x 28 x 27 | 18 |
| | | 4.0 | 21000-001100 | | | |
| | | 8.5 | 21000-001200 | | | |
|  | PC dripper w/ nipple outlet | 2.0 | 21020-001000 | 2500 | 57 x 28 x 27 | 19 |
| | | 4.0 | 21020-001100 | | | |
| | | 8.5 | 21020-001200 | | | |

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