

Ram™

16012, 16010, 16009

For row crops, citrus, deciduous & tree irrigation

- TurboNet™ labyrinth with large water passages
- Working pressure: 0.5 to 4.0 bar
- Injected dripper – very low CV
- PC system, patented pressure differential system, maintains uniform flow rate at different inlet working pressure, ensuring exact distribution of water and fertilizers
- Self flushing system, with filtration element for improved resistance to clogging



Ram™ facets



EPDM diaphragm

Large, deep and wide cross-section improves clogging resistance



PC system ensuring exact flow rate in all field conditions.

Injection molded dripper construction, ensuring uniform drippers and very low CV

Drippers technical data

| Flow rate (l/h.) | Working pressure range (bar) | Water passages dimensions | | | Filtration area (mm ²) | Constant K | Exponent* X |
|------------------|------------------------------|---------------------------|-------------|--------------|------------------------------------|------------|-------------|
| | | Width (mm.) | Depth (mm.) | Length (mm.) | | | |
| 1.60 | 0.5 - 4.0 | 1.00 | 0.80 | 22 | 7 | 1.6 | 0.0 |
| 2.30 | 0.5 - 4.0 | 1.15 | 0.95 | 22 | 8 | 2.3 | 0.0 |

* within working pressure range

Dripperlines technical data

| Model | Inside diameter (mm.) | Wall Thickness (mm.) | Outside diameter (mm.) | Max. working pressure (bar) | KD |
|-------|-----------------------|----------------------|------------------------|-----------------------------|-----|
| 16009 | 14.20 | 0.9 | 16.00 | 3.0 | 1.2 |
| 16010 | 14.10 | 1.0 | 16.10 | 3.5 | 1.3 |
| 16012 | 13.70 | 1.2 | 16.10 | 4.0 | 1.6 |

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Performance Data

Ram™ 16009 - I.D. 14.20 mm. - Inlet pressure 3.0 bar

Maximum lateral length (meter) - spacing between drippers (meter)

| Flow rate (l/h.) | Spacing between drippers (m.) | | | | | | |
|------------------|-------------------------------|-----|-----|-----|-----|------|------|
| | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.75 | 1.00 |
| 1.6 | 98 | 141 | 181 | 219 | 255 | 305 | 383 |
| 2.3 | 77 | 111 | 143 | 173 | 201 | 241 | 303 |

Ram™ 16010 - I.D. 14.10 mm. - Inlet pressure 3.0 bar

Maximum lateral length (meter) - spacing between drippers (meter)

| Flow rate (l/h.) | Spacing between drippers (m.) | | | | | | |
|------------------|-------------------------------|-----|-----|-----|-----|------|------|
| | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.75 | 1.00 |
| 1.6 | 95 | 137 | 195 | 214 | 248 | 299 | 375 |
| 2.3 | 75 | 108 | 154 | 168 | 196 | 236 | 296 |

Ram™ 16012 - I.D. 13.70 mm. - Inlet pressure 3.0 bar

Maximum lateral length (meter) - spacing between drippers (meter)

| Flow rate (l/h.) | Spacing between drippers (m.) | | | | | | |
|------------------|-------------------------------|-----|-----|-----|-----|------|------|
| | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.75 | 1.00 |
| 1.6 | 86 | 125 | 162 | 196 | 229 | 276 | 348 |
| 2.3 | 68 | 98 | 127 | 155 | 181 | 218 | 275 |

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

Packaging Data

| Ram™ on bundled coils | Wall thickness (mm.) | Distance between drippers (meter) | Coil length (meter) | Average coil weight* (kg.) | Coils in a 40 feet container (units) | Total in a 40 feet container (meter) |
|-----------------------|----------------------|-----------------------------------|---------------------|----------------------------|--------------------------------------|--------------------------------------|
| 16009 | 0.9 | 0.20 to 1.00 | 500 | 19.8 | 330 | 165000 |
| 16010 | 1.0 | 0.20 to 1.00 | 500 | 21.7 | 330 | 165000 |
| 16012 | 1.2 | 0.20 to 1.00 | 400 | 20.5 | 352 | 140800 |

* According to drippers spacing

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