

Turbo Slim



Thin-walled dripline



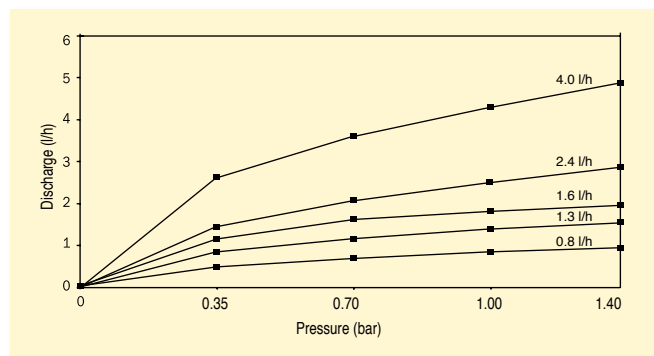
APPLICATIONS

- Recommended for closely spaced seasonal row crops like tomato, cotton, chilly, potato, ground nut, onion, vegetables, oil seeds, corn, strawberry, floriculture, etc.
- Suitable for surface and subsurface applications

DRIPERS TECHNICAL SPECIFICATIONS

| Dripper flow rate | | Dripper exponent | Flow coefficient | Coeff. of mfg. variation | Flow path dimension mm | | |
|-------------------|----------------|------------------|------------------|--------------------------|------------------------|-----|------|
| l/h at 0.7 bar | l/h at 1.0 bar | | | | x | k | CVm |
| 0.6 | 0.8 | 0.49 | 0.8 | 4.0 | 58 | 0.5 | 0.60 |
| 1.1 | 1.3 | 0.54 | 1.3 | 4.5 | 58 | 0.7 | 0.60 |
| 1.4 | 1.6 | 0.54 | 1.5 | 3.0 | 58 | 0.7 | 0.65 |
| 2.0 | 2.4 | 0.50 | 2.4 | 3.5 | 58 | 0.8 | 0.80 |
| 3.5 | 4.0 | 0.50 | 4.0 | 2.0 | 58 | 1.0 | 0.90 |

Flow equation $q = kHX$, q = discharge, l/h, H = Pressure head, kg/cm², x = Dripper exponent



STRUCTURE AND FEATURES

- Seamless drip tape with drippers permanently fixed inside. Seamless construction improves ability to withstand pressure fluctuations.
- Marked with two parallel yellow stripes 'Twin-Line®'. Symbol of quality. It also helps to ensure upright positioning of the dripper.
- Manufactured from special grade, virgin polymer ensuring close dimensional tolerance and higher strength even at lower wall thickness.
- Manufactured with the most modern, state-of-the-art equipment. It's computerized continuous online quality control ensures reliable quality and consistent performance.
- Hydraulically designed turbulent flow path dripper with wide cross sectional area and precision inlet filter that makes it a truly clog resistant drip tape.
- Precision laser drilled outlet holes.
- Extremely low manufacturing coefficient of variation, CVm ensures high field emission uniformity.
- Nominal Diameters 17 (I.D 16.1) & 22 (ID 22.2)mm
- Available in five flow rates of 0.8, 1.3, 1.6, 2.4, 4.0 l/h
- Available in wall thickness ranging from 6mil to 25mil (0.15mm to 0.63mm).
- Available in standard dripper spacing of 20, 30, 40, 50, 60, 75, 90 and 100 cm. Any other spacing and group spacings are available on demand
- Minimum 100 micron filtration recommended. However required filtration type and precision depends upon quality of source water.

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TECHNICAL DATA

NDJ Drip 17mm

| Nominal diameter | Wall thickness | | ID (mm) | OD (mm) | Max. operating Pressure (bar) | Max. flushing Pressure (bar) | Min. filtration (micron) |
|------------------|----------------|------|---------|---------|-------------------------------|------------------------------|--------------------------|
| | mil | mm | | | | | |
| 17 | 6 | 0.15 | 16.1 | 16.4 | 0.8 | 1.2 | 100 |
| 17 | 8 | 0.20 | 16.1 | 16.5 | 1.1 | 1.7 | 100 |
| 17 | 10 | 0.25 | 16.1 | 16.6 | 1.4 | 2.1 | 100 |
| 17 | 12 | 0.30 | 16.1 | 16.7 | 1.6 | 2.4 | 100 |
| 17 | 15 | 0.38 | 16.1 | 16.9 | 2.0 | 3.0 | 100 |
| 17 | 18 | 0.45 | 16.1 | 17.0 | 2.4 | 3.6 | 100 |
| 17 | 20 | 0.50 | 16.1 | 17.1 | 2.7 | 4.1 | 100 |
| 17 | 25 | 0.63 | 16.1 | 17.4 | 3.4 | 5.1 | 100 |

NDJ Drip 22mm

| Nominal diameter | Wall thickness | | ID (mm) | OD (mm) | Max. operating Pressure (bar) | Max. flushing Pressure (bar) | Min. filtration (micron) |
|------------------|----------------|------|---------|---------|-------------------------------|------------------------------|--------------------------|
| | mil | mm | | | | | |
| 22 | 8 | 0.20 | 22.2 | 22.60 | 0.7 | 1.1 | 100 |
| 22 | 10 | 0.25 | 22.2 | 22.70 | 0.9 | 1.4 | 100 |
| 22 | 13 | 0.30 | 22.2 | 22.86 | 1.1 | 1.7 | 100 |
| 22 | 15 | 0.38 | 22.2 | 22.96 | 1.3 | 2.0 | 100 |
| 22 | 18 | 0.45 | 22.2 | 23.10 | 1.6 | 2.4 | 100 |
| 22 | 20 | 0.50 | 22.2 | 23.20 | 1.8 | 2.7 | 100 |
| 22 | 25 | 0.63 | 22.2 | 23.46 | 2.2 | 3.3 | 100 |

Note: 1 mil = 1/1000th part of an inch = 0.0254 mm



PACKAGING AND SHIPPING

| Dripper spacing (cm) | Nominal Diameter of 16 mm | | | | | | | | Coils Qty | | | |
|----------------------|---------------------------|-----------|------------|------------|------------|------------|------------|------------|-----------|------------------|------------------|-----|
| | 6 mil (m) | 8 mil (m) | 10 mil (m) | 12 mil (m) | 15 mil (m) | 18 mil (m) | 20 mil (m) | 25 mil (m) | Pallet | 20 ft. container | 40 ft. container | |
| 15 | 2100 | 2100 | 2000 | 1700 | 1350 | 1000 | 900 | 500 | 16 | 280 | 672 | |
| 20 | 2300 | 2300 | 2100 | 1800 | 1400 | 1050 | 950 | 550 | 16 | 280 | 672 | |
| 25 | 2400 | 2400 | 2150 | 1850 | 1450 | 1100 | 1000 | 600 | 16 | 280 | 672 | |
| 30+ | 2700 | 2500 | 2250 | 1900 | 1500 | 1150 | 1000 | 600 | 16 | 280 | 672 | |
| Dripper spacing (cm) | Nominal Diameter of 22 mm | | | | | | | | | | | |
| | 15 | 1300 | 1100 | 800 | 900 | 750 | 650 | 600 | 400 | 16 | 280 | 672 |
| | 20 | 1500 | 1300 | 1000 | 1000 | 800 | 700 | 650 | 450 | 16 | 280 | 672 |
| | 25 | 1600 | 1400 | 1100 | 1050 | 850 | 750 | 700 | 500 | 16 | 280 | 672 |
| | 30+ | 1800 | 1500 | 1200 | 1100 | 900 | 800 | 700 | 500 | 16 | 280 | 672 |