Application

For use in horticultural, viticultural, greenhouse and landscape applications, Neptune PC provides a highly accurate and durable drip solution.

The pressure compensating mechanism provides uniformity over long runs and changing topographies.

The Non-Drain PC emitter is suited to pulse irrigation and systems installed on sloping terrain, improving irrigation efficiencies by reducing the time taken to pressurise the system.

Features

Pressure Compensating

- Wide cross-section labyrinth creates maximum turbulence to keep debris in suspension
- Self-flushing diaphragm allows debris to pass through the emitter, reducing risk of blockages
- Pressure compensating for even water and nutrient distribution over long runs and changing topographies
- Silicone diaphragm for performance and longevity
- Low entry pressure (50 kPa) for pressure compensating mode
- Low CV provides uniform discharge over a wide pressure range
- UV stabilised LDPE tube for multi season application
- Large tube diameters available creating the ability for long runs

Non-Drain (additional features)

- Suited to pulse irrigation and sloping terrain
- Reduces time to pressurise system at start up
- Reduced water usage and energy costs

Operating Specifications

- Recommended Operating Pressure Range:
  - 15.4 and 19.0 mm I.D.: 100 - 350 kPa
  - 20.8 mm I.D.: 100 - 325 kPa
  - 25 mm I.D.: 100 - 300 kPa
- Emitter Flow: 1.2, 1.5 & 2.4 Lph
- Emitter Spacing: 0.3 - 1.0 m
- Tube I.D.: 15.4, 19.0, 20.8 & 25.0 mm
- Wall Thickness: 0.63, 0.9 & 1.0 mm
- Recommended Filtration:
  - 1.2 Lph: 150 mesh / 100 micron
  - 1.5 & 2.4 Lph: 120 mesh / 130 micron
- Non-Drain (ND) Emitter Opening Pressure:
  - ND Emitters open at 50 kPa (5.0 m)
  - ND Emitters close at 17 kPa (1.7 m)