



# Vardit

## Compact PC dripper

Pressure Compensated Dripline

**Crops** • Citrus • Apples • Avocado • Cherry • Almonds • Roses

**Applications** • Open field • Orchards • Greenhouses • Landscaping

VARDIT is a compact, integral, pressure-compensated dripper designed for challenging topographies, water qualities, and soil conditions. This efficient and cost-effective PC dripline is the ideal choice for farmers focused on fast ROI and seeking a reliable, long-term drip irrigation solution.

### Features & Benefits

- Highly accurate pressure-compensating self-flushing labyrinth mechanism
- Wide range of working pressures for various topographies and crops
- Highly resistant to UV and typical agricultural fertilizers
- Very low CV
- Wide water passages along the primary labyrinth
- The Vardit dripper has the largest effective filtration area in its category
- The thickest silicone diaphragm in its dripper's category ensures accuracy and high-pressure regulating performance for a long lifetime
- 100% of drippers inspected by online AI quality assurance system

### Specifications

- Wide self-cleaning labyrinth with turbulent flow to prevent particle settling
- Drip lines available at diameters of 16mm, 17mm, 20mm, 22mm, 25mm
- Precisely welded into medium/thick wall drip lines of 0.40mm-1.25mm thickness
- Available with Rootguard Band® extruded layer to prevent root intrusion in SDI applications
- Available with Cleanline® extruded layer to prevent clogging when using water with high organic content
- Color striping available per grower's choice
- Compatible with and approved by ISO9261 standard
- Vardit drip lines can be manufactured with an additional color layer according to the client's request. Available colors include brown, purple, white, and more

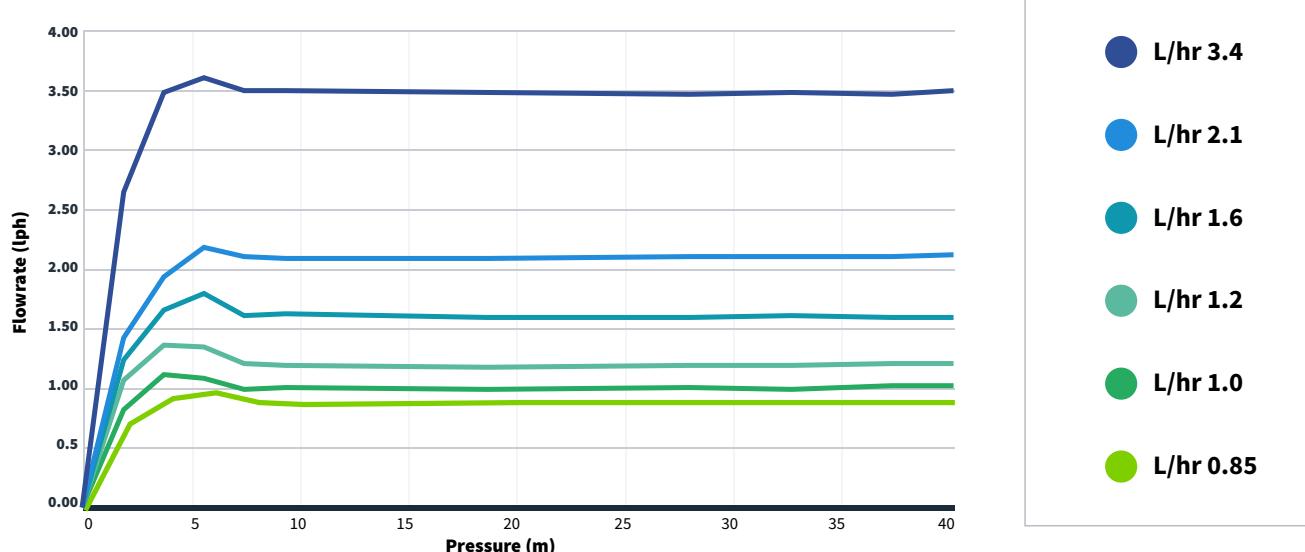
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## Vardit Dripper Technical Specifications

| Flow Rate L/hr | Working Pressure Range (m) | Primary Labyrinth Dimensions Width-Depth (mm) | Compensating Labyrinth Dimensions Width-Depth (mm) | Inlet Filter Slot width ( $\mu$ ) | Filtration Area (mm <sup>2</sup> ) | Recommended Filtration (micron/mesh) |
|----------------|----------------------------|---|--|-----------------------------------|------------------------------------|--------------------------------------|
| <b>0.85</b>    | 8 - 40                     | 0.7X 0.6                                      | 0.4X 0.15  | 580                               | 137.8                              | 120/130                              |
| <b>1.0</b>     | 8 - 40                     | 0.7X 0.6                                      | 0.4 X 0.15   | 580                               | 137.8                              | 120/130                              |
| <b>1.2</b>     | 8 - 40                     | 0.72X 0.7                                     | 0.45X 0.25   | 580                               | 137.8                              | 120/130                              |
| <b>1.6</b>     | 8 - 40                     | 0.7X 0.85                                     | 0.5X 0.25  | 580                               | 137.8                              | 120/130                              |
| <b>2.1</b>     | 8 - 40                     | 0.8X 1.0                                      | 0.5X 0.3   | 580                               | 137.8                              | 120/130                              |
| <b>3.4</b>     | 8 - 40                     | 0.8X 1.3                                      | 0.6X 0.4   | 580                               | 137.8                              | 120/130                              |

## Flow rate Vs. Pressure



## Flow rate Vs. Pressure table

| Nominal Flow rate (L/hr) | pressure (m) |      |      |      |      |      |      |      |      |
|--------------------------|--------------|------|------|------|------|------|------|------|------|
|                          | 2            | 4    | 6    | 8    | 10   | 20   | 30   | 35   | 40   |
| <b>0.85</b>              | 0.68         | 0.89 | 0.93 | 0.86 | 0.84 | 0.85 | 0.85 | 0.85 | 0.85 |
| <b>1.0</b>               | 0.83         | 1.12 | 1.09 | 0.99 | 1.01 | 1    | 1.02 | 1    | 1.03 |
| <b>1.2</b>               | 1.07         | 1.37 | 1.36 | 1.21 | 1.20 | 1.19 | 1.20 | 1.20 | 1.21 |
| <b>1.6</b>               | 1.24         | 1.67 | 1.81 | 1.62 | 1.63 | 1.61 | 1.67 | 1.62 | 1.6  |
| <b>2.1</b>               | 1.44         | 1.67 | 1.95 | 2.11 | 2.10 | 2.10 | 2.11 | 2.12 | 2.12 |
| <b>3.4</b>               | 2.66         | 3.50 | 3.63 | 3.52 | 3.51 | 3.5  | 3.49 | 3.5  | 3.49 |



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## Vardit Dripline Technical Data

| Model               | Ø Inside Diameter (mm) | Wall Thickness (mm) | Max working pressure (m) | KD   |
|---------------------|------------------------|---------------------|--------------------------|------|
| <b>VARDIT 16040</b> | 15.8                   | 0.4                 | 2.0                      | 0.20 |
| <b>VARDIT 16060</b> | 15.2                   | 0.6                 | 2.5                      | 0.22 |
| <b>VARDIT 16100</b> | 13.8                   | 1.0                 | 4.0                      | 0.27 |
| <b>VARDIT 16120</b> | 13.8                   | 1.2                 | 4.0                      | 0.27 |
| <b>VARDIT 17060</b> | 15,8                   | 0.6                 | 2.5                      | 0.20 |
| <b>VARDIT 17100</b> | 15.0                   | 1.0                 | 4.0                      | 0.22 |
| <b>VARDIT 20100</b> | 17.4                   | 1.0                 | 3.5                      | 0.10 |
| <b>VARDIT 22110</b> | 21.0                   | 1.1                 | 3.5                      | 0.08 |
| <b>VARDIT 25100</b> | 24.7                   | 1.0                 | 3.5                      | 0.05 |



Calculate Vardit dripline's lateral length  
with our [Irrimetzer app!](#)



## Keep in touch!

 [info@metzerplas.com](mailto:info@metzerplas.com)

 [metzer-group.com](http://metzer-group.com)



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