



Assembled Micro Sprays

Technical Specifications Sheet

Directional Spray Jets

Multi purpose, multi directional spray jets featuring two piece cap and nozzle snap fit construction, with 4mm [nominal] threaded inlet.

Features and Benefits

Operation

Radius and discharge can be regulated on the Vari-Jet™ model by rotating the valve incorporated in the jet.

Performance

The needle or finger spays of the 360° are designed to penetrate plant foliage, suitable for use in exposed wind prove areas.

Seven spray patterns or arcs to suit landscape designs, which can be mixed and matched with nozzle discharge rates.

Five nozzle sizes to meet pressure and flow parameters [see overleaf].

Application

Soil types: Clays, silts and loamy sands.

Plant types: Trees, vines, gardens and landscape annuals.

Vari-Jet™ 360°, 180° & 90°



VJ360

20° Strip Pattern



M220

Mister



MST

360° 18 Hole Cap



M36018

180° Cap



M180

90° Cap



M90

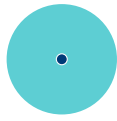
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The connection you can trust.

Spray Patterns



Mist
(Fine Spray)



Spray Pattern
360° 18 Hole



Spray Pattern
180°



Spray Pattern
90°



Spray Pattern
40° [2 x 20]

Specifications

| Nozzle Orifice [colour] | Pressure kPa [psi] | Flow rate lph [US gal] | 360° 18 hole DIA M | 180° RAD M | 90° RAD M | Mist DIA M |
|----------------------------|-----------------------|---------------------------|-----------------------|------------|-----------|------------|
| 0.8mm Black | 50 [7.20] | 15 [3.9] | 2.6 | 1.2 | 1.1 | |
| | 100 [14.5] | 22 [5.8] | 4.1 | 1.5 | 1.7 | |
| | 150 [21.7] | 27 [7.1] | 4.6 | * | 2.1 | |
| | 200 [29.0] | 32 [8.4] | 5.0 | * | 2.3 | |
| 1.0mm Blue | 50 [7.20] | 22 [5.8] | 3.6 | 1.5 | 1.2 | |
| | 100 [14.5] | 33 [8.7] | 4.9 | 1.8 | 2.0 | |
| | 150 [21.7] | 42 [11.0] | 5.8 | 2.0 | 2.4 | |
| | 200 [29.0] | 49 [12.9] | 6.2 | * | 2.8 | |
| 1.3mm Green | 50 [7.20] | 36 [9.5] | 4.7 | 1.5 | 1.4 | |
| | 100 [14.5] | 54 [14.2] | 6.4 | 2.0 | 2.2 | |
| | 150 [21.7] | 68 [17.9] | 7.0 | 2.3 | 2.6 | |
| | 200 [29.0] | 80 [21.1] | 7.2 | 2.5 | * | |
| Mist Yellow | 50 [7.20] | 13 [3.40] | | | | 1.0 |
| | 100 [14.5] | 18 [4.70] | | | | 0.8 |
| | 150 [21.7] | 22 [5.80] | | | | 0.9 |
| | 200 [29.0] | 25 [6.60] | | | | 0.8 |

Sprinklers under test were mounted vertically with nozzle 200mm above ground.

N.B. Shaded area signifies standard assembled nozzle and caps.

Vari-Jet™ Performance

| Code | [black base] | VJ360 | VJ180 | VJ90 |
|----------------|---------------|-----------------|------------|-----------|
| Pressure [kPa] | Flow Rate L/h | 360° x 18 DIA M | 180° RAD M | 90° RAD M |
| 50 | 0 - 53 | 4.9 | 1.9 | 1.5 |
| 100 | 0 - 78 | 6.8 | 2.4 | 2.4 |
| 150 | 0 - 98 | 8.2 | 3.0 | 2.9 |
| 200 | 0 - 115 | 8.2 | 3.2 | 3.1 |

Tests were carried out with valve fully open. Use Vari-Jets™ whenever full throw of standard Micro Sprays are not necessary.

| Code | Approx. Height x Width [mm] |
|---------|-----------------------------|
| MC36018 | 1.42 x 0.46 |
| MC36015 | 1.42 x 0.55 |
| MC36012 | 1.42 x 0.55 |
| MC30010 | 1.42 x 0.78 |

NOTE: For critical filtration requirements due to poor water quality, please follow cap apertures, and not nozzle orifice.

Recommended use:

Products described above are designed and manufactured for micro irrigation use and therefore have a maximum recommended operating pressure of 300 kPa. The products must be used with suitable filtration (where applicable) to avoid blockage or damage to working components.

For more information

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www.youtube.com/user/PhilmacAustralia

Please note that the information, opinions, recommendations and advice given on this specification sheet are supplied only to provide an improved understanding of the technical aspects of Philmac valves. So far as the law allows, Philmac Pty Ltd will not accept liability in respect of any loss or damage of any kind claimed to arise as a result of reliance upon any information contained on this specification sheet. Please refer to our Terms and Conditions of Supply of goods.