

Philmac XL-Jet

TECHNICAL SPECIFICATION



SF9009



SF3617



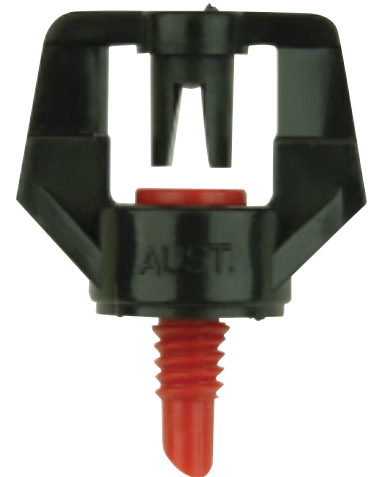
SF1812



MXL09



SXL12



SXL14

Precision watering deflector jets

Multi purpose garden bed and agricultural crop deflector jets. Two piece frame and nozzle solid snap fit construction.

Operation

4mm threaded inlet provides a reliable snug fit into polytube, soft riser and rigid risers.

Performance

Balanced, consistent coverage from matched precipitation discharge rates.

Seven spray patterns to suit both landscape designs and agriculture.

Five calibrated and colour coded nozzles to suit hydraulic design parameters.

Spaced stream trajectory designed for vineyard and orchard crops.

Mister best suited to greenhouse, nurseries, seedling propagation.

Application

Designed for use in both exposed and sheltered areas.

Soil Types: All sands, loams and clays.

Plant Types: Stream and feather pattern best suited to densely planted shrubbery, ground covers and bedding plants



The connection you can trust.

XL-Jet leading the world in precision watering!

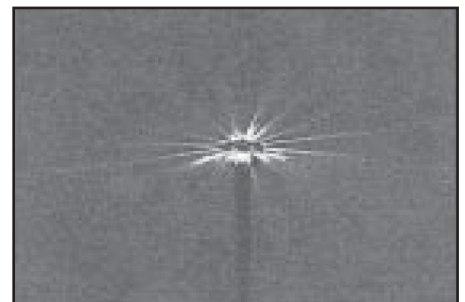
The precise watering pattern and performance of the XL-Jet is the result of innovative design and quality manufacture. Whether it's a landscaped garden bed floriculture, vineyard or agricultural crops, XL-Jet stands alone.

| NOMINAL PERFORMANCE AT A GLANCE | | | | | | | | |
|---------------------------------|---------------|-----------------|-----------------|----------------|--------------|----------------|----------------|------------|
| NOZZLE | lph @ 150 kPa | 360° S&F RADIUS | 180° S&F RADIUS | 90° S&F RADIUS | STRIP RADIUS | 360°x16 RADIUS | 300°x12 RADIUS | MIST DIAM. |
| Black 0.9mm | 35 | - | - | 2.1m | - | 2.1m | 2.6m | 2.4m |
| Green 1.2mm | 70 | - | 2.0m | - | 3.2m | 2.7m | 3.5m | - |
| Red 1.4mm | 90 | - | 2.4m | - | 3.7m | 2.8m | 3.8m | - |
| Orange 1.7mm | 140 | 2.3 | - | - | - | 3.4m | 4.5m | - |

*Maximum radius (high trajectory)

STREAM & FEATHER PATTERN

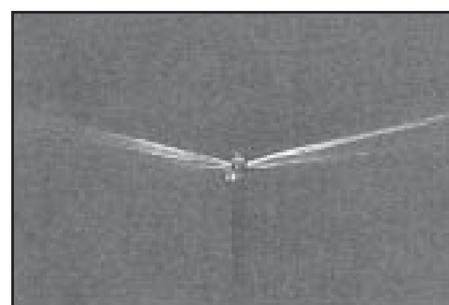
A totally unique concept of combining a penetrating stream with feathering between the stream fingers, resulting in uniform watering, even in sandy areas.



SPACED STREAM PATTERN

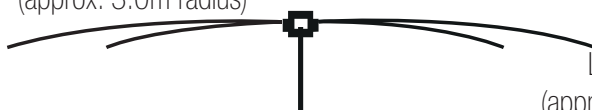
A unique combination of strong fingers of penetrating spray with alternate streams of high and low trajectories. This provides watering for both internal and external diameters without directly spraying tree trunks and foliage.

- Unique choice of accurate nozzles calibrated and factory checked, with discharge rates ranging from a low 35L/hr to 140L/hr @ 150 kPa.
- Superior efficiency XL-Jet leads the world in offering a matching flow rate with the stream and feather series.
- Unlike conventional two-piece sprays with up to 19 potential blockage apertures, XL-Jet has only one; the nozzle orifice itself, easily accessible without dismantling the cap.

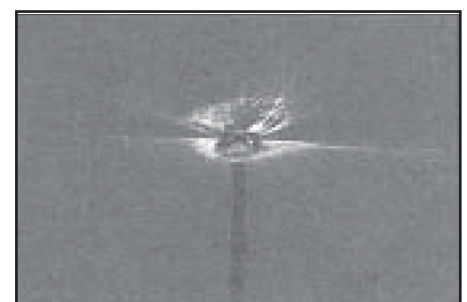


Example of Spaced Stream Trajectories
(at 150 kPa)

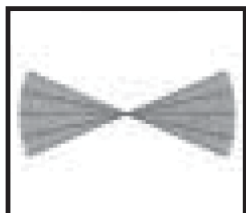
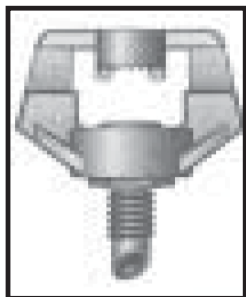
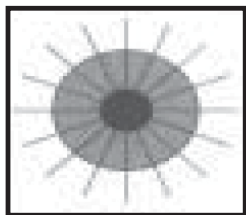
High trajectory
(approx. 3.0m radius)



Low trajectory
(approx. 2.0m radius)



S P E C I F I C A T I O N S



| Nozzle | Pressure | Flow Rate | Strip | Mist |
|--------|----------|-----------|--------------|--------|
| Colour | kPa | lph | Rad. x width | diam.m |
| | | | | |
| BLACK | 75 | 25 | - | 1.7 |
| 0.9mm | 100 | 29 | - | 2.0 |
| | 125 | 42 | - | 2.2 |
| | 150 | 35 | - | 2.4 |
| | 200 | 41 | - | 2.4 |
| | | | | |
| GREEN | 75 | 48 | 2.5 x 0.8 | - |
| 1.2mm | 100 | 56 | 2.8 x 0.9 | - |
| | 125 | 63 | 3.0 x 1.0 | - |
| | 150 | 70 | 3.2 x 1.1 | - |
| | 200 | 79 | 3.4 x 1.2 | - |
| | | | | |
| RED | 75 | 62 | 2.9 x 0.9 | - |
| 1.4mm | 100 | 73 | 3.2 x 1.1 | - |
| | 125 | 81 | 3.5 x 1.2 | - |
| | 150 | 90 | 3.7 x 1.3 | - |
| | 200 | 102 | 4.1 x 1.4 | - |
| | | | | |
| ORANGE | 75 | 95 | - | - |
| 1.7mm | 100 | 110 | - | - |
| | 125 | 125 | - | - |
| | 150 | 140 | - | - |
| | 200 | 158 | - | - |

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.

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I N S T A L L A T I O N

◀Fig.1

Screwed into a Landscape stake (LST4A), which can be moved around as the plants develop. This is the most professional method of installation.

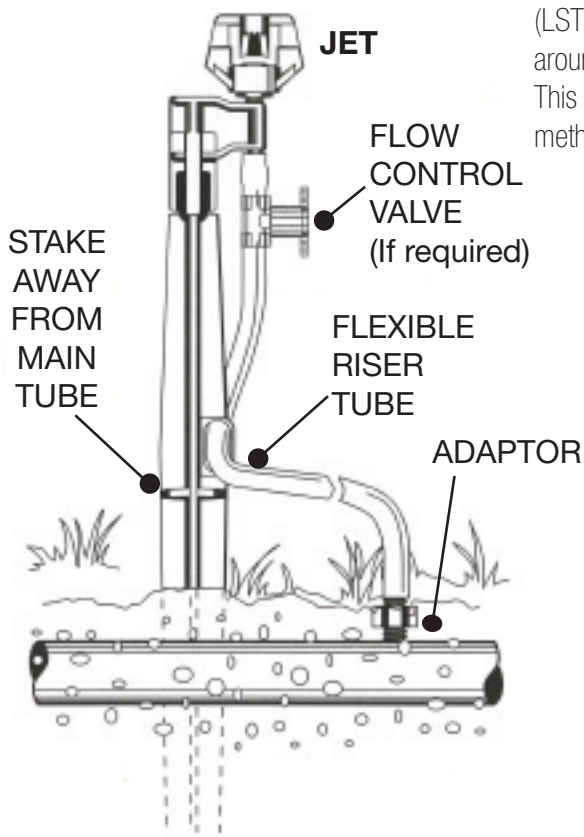
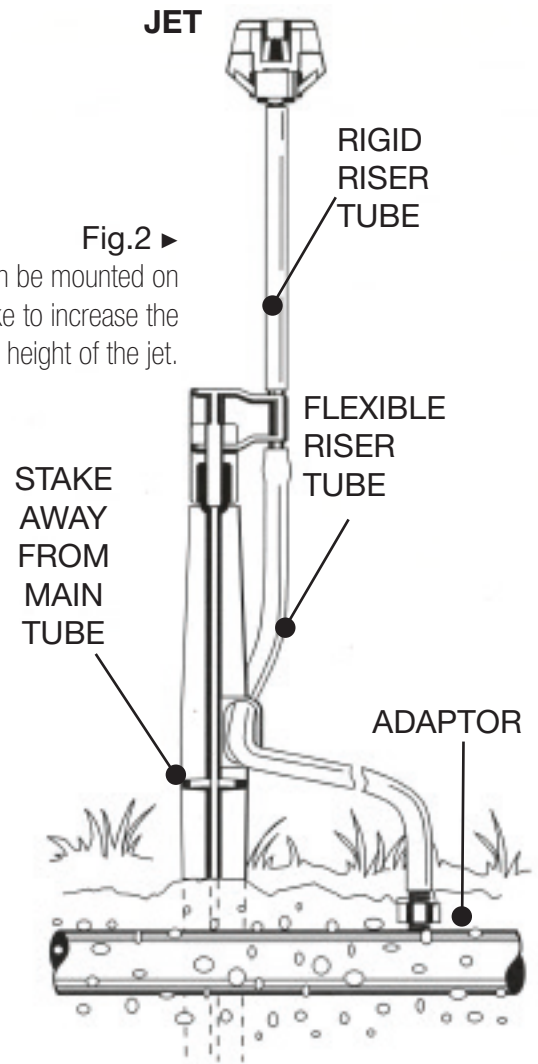


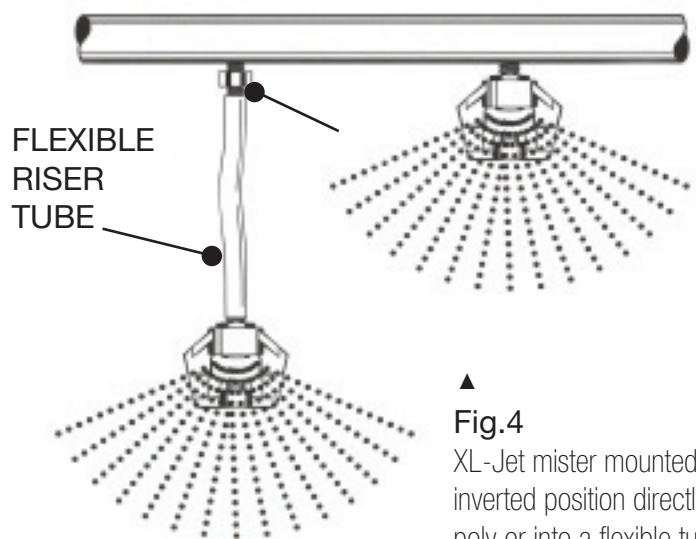
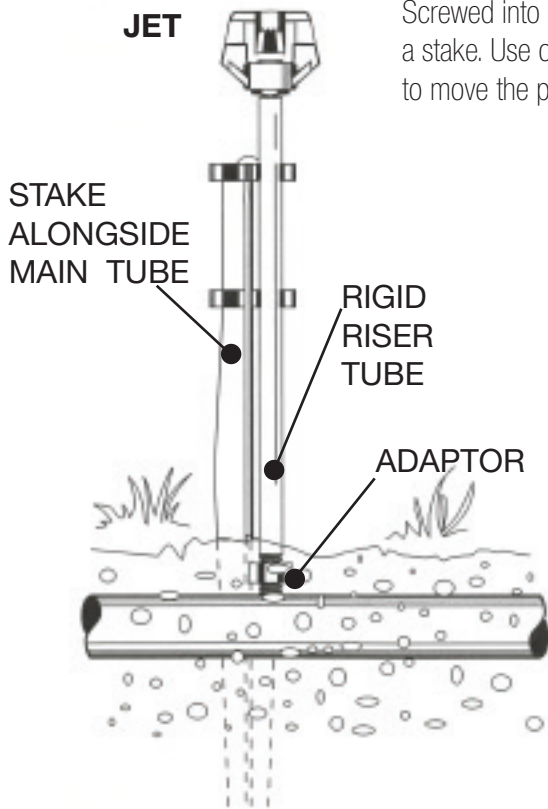
Fig.2 ▶

A rigid riser can be mounted on the landscape stake to increase the height of the jet.



◀Fig.3

Screwed into rigid riser and supported by a stake. Use only where there is no need to move the position of the jet.



▲Fig.4

XL-Jet mister mounted in an inverted position directly into poly or into a flexible tube for hanging chain baskets.