

SMART JET FAMILY PAT. PENDING



Smart Jet

Smart Jet IP
(Insect Proof)

Smart Jet PC

Smart Jet PC IP



APPLICATIONS

For orchards, vineyards, citrus and landscape

STRUCTURE AND FEATURES

- All models use the same frame for each unique jet pattern.
- Exclusive approach of insect Proof based on extended nozzles.
- Insect Proof model reduces plugging and amount of labor needed to check plugging.
- PC model maintains flow and enables using longer laterals.
- No wear & tear.
- Large variety of nozzles & jet patterns.
- With different jet patterns, Smart Jet family can match any tree spacing.
- Adaptors are available for matching Smart Jet to NDJ spikes (31, 36 & 37) and 5.8mm rod.
- For young trees Smart Cap to limit wetted area. To be removed for larger wetted area (mature trees).

TECHNICAL DATA

Smart Jet & Smart Jet IP:

- Recommended working pressure: 0.7 - 3.0 bar
- Flow rates: 15 - 136 l/h
- Filtration requirements: 130microns (120 mesh)

Smart Jet PC & Smart Jet PC IP:









- Recommended working pressure: 1.0 - 3.0 bar
- Flow rates: 17 - 85 l/h
- Filtration requirements: 130microns (120 mesh)

- The only static jet in the market that has all options of pressure compensation and insect proof with a variety of patterns: Smart Jet, Smart Jet IP (Insect Proof), Smart Jet PC and Smart Jet PC IP.
- Full and wide range of options makes it easy and economical to match any application.
- Smart Cap to limit wetted area for irrigating young trees.



SMART JET & SMART JET IP- DISTRIBUTION PATTERNS AND WETTED DIAMETERS (m)

Tested at 0.25m height

| Nozzle color | Nozzle Diameter (mm) | Pressure (bar) | Flow rate (l/h) |  |  |  |  | |  |  |  |  |
|--------------|----------------------|----------------|-----------------|---|---|---|---|--------|---|---|---|---|
| | | | | J (12 jets) | U (270°) | C (210°) | A Low | A High | S (Strip)** | SF (Strip Flat)** | H (180°) | I (inverted)* |
| Black | 0.64 | 0.7 | 15 | 3.3 | 3.8 | 4.7 | 3.2 | 3.7 | 3.2 | 1.9 | 3.7 | 3.2 |
| | | 1.0 | 19 | 3.9 | 4.0 | 5.0 | 3.9 | 4.3 | 3.7 | 2.6 | 4.4 | 3.8 |
| | | 1.5 | 23 | 4.2 | 4.6 | 5.6 | 4.3 | 4.6 | 4.2 | 3.4 | 5.2 | 4.2 |
| | | 2.0 | 27 | 4.4 | 4.8 | 5.9 | 4.7 | 4.8 | 4.3 | 4.0 | 5.7 | 4.8 |
| | | 2.5 | 30 | 4.7 | 5.3 | 6.5 | 4.8 | 5.4 | 4.5 | 3.8 | 6.2 | 5.1 |
| | | 3.0 | 33 | 4.8 | 5.6 | 6.7 | 5.2 | 5.6 | 4.7 | 3.8 | 6.4 | 5.3 |
| Orange | 0.86 | 0.7 | 23 | 3.8 | 4.4 | 5.4 | 3.7 | 4.3 | 3.9 | 3.2 | 4.1 | 3.8 |
| | | 1.0 | 28 | 4.4 | 4.8 | 6.1 | 4.3 | 4.8 | 4.4 | 4.0 | 5.0 | 4.4 |
| | | 1.5 | 34 | 5.0 | 5.6 | 7.1 | 5.2 | 5.8 | 4.8 | 4.5 | 5.6 | 5.3 |
| | | 2.0 | 40 | 5.4 | 6.2 | 7.6 | 5.5 | 6.2 | 4.9 | 4.6 | 6.5 | 5.9 |
| | | 2.5 | 45 | 5.6 | 6.7 | 8.6 | 5.8 | 6.5 | 5.3 | 4.6 | 7.0 | 6.7 |
| | | 3.0 | 49 | 6.0 | 7.2 | 9.1 | 6.1 | 7.0 | 5.5 | 4.6 | 7.4 | 7.4 |
| Blue | 0.94 | 0.7 | 28 | 4.1 | 4.5 | 6.0 | 4.5 | 4.8 | 4.3 | | 4.3 | 4.4 |
| | | 1.0 | 35 | 4.8 | 5.2 | 6.9 | 5.1 | 5.7 | 4.7 | | 5.1 | 4.9 |
| | | 1.5 | 42 | 5.7 | 6.0 | 7.9 | 5.7 | 6.2 | 5.1 | | 6.1 | 5.9 |
| | | 2.0 | 49 | 6.2 | 6.5 | 8.9 | 6.3 | 7.0 | 5.5 | | 6.9 | 6.7 |
| | | 2.5 | 54 | 6.6 | 6.9 | 9.5 | 6.7 | 7.3 | 5.9 | | 8.0 | 7.0 |
| | | 3.0 | 60 | 7.1 | 7.1 | 10.2 | 7.1 | 7.8 | 6.4 | | 8.6 | 7.5 |
| Violet | 1.10 | 0.7 | 39 | 5.0 | 5.4 | 6.7 | 4.8 | 5.6 | 4.8 | | 5.1 | 4.8 |
| | | 1.0 | 46 | 6.1 | 6.1 | 7.8 | 5.7 | 6.2 | 5.3 | | 5.9 | 5.5 |
| | | 1.5 | 57 | 6.6 | 7.3 | 8.7 | 6.2 | 7.2 | 6.1 | | 6.7 | 6.4 |
| | | 2.0 | 66 | 7.3 | 7.9 | 9.9 | 7.1 | 7.8 | 6.7 | | 8.2 | 7.4 |
| | | 2.5 | 74 | 7.8 | 8.6 | 10.8 | 7.6 | 8.7 | 7.1 | | 9.2 | 8.2 |
| | | 3.0 | 81 | 8.4 | 9.1 | 11.7 | 7.8 | 9.1 | 7.6 | | 10.1 | 8.6 |
| Green | 1.20 | 0.7 | 45 | 4.9 | 6.0 | 6.9 | 5.1 | 5.8 | 5.1 | | 5.5 | 5.0 |
| | | 1.0 | 55 | 5.9 | 6.7 | 8.1 | 6.1 | 6.9 | 5.8 | | 6.7 | 6.0 |
| | | 1.5 | 67 | 6.9 | 7.6 | 9.2 | 6.9 | 7.8 | 6.3 | | 7.7 | 7.1 |
| | | 2.0 | 78 | 7.7 | 8.6 | 10.6 | 7.3 | 8.4 | 6.9 | | 8.7 | 8.2 |
| | | 2.5 | 86 | 8.6 | 9.3 | 11.4 | 8.0 | 8.7 | 7.4 | | 10.1 | 8.9 |
| | | 3.0 | 95 | 9.5 | 10.0 | 12.5 | 8.4 | 9.3 | 8.3 | | 10.8 | 9.5 |
| Yellow | 1.34 | 0.7 | 57 | 5.7 | 6.3 | 7.3 | 6.0 | 6.5 | 5.6 | | 5.9 | 5.7 |
| | | 1.0 | 67 | 6.7 | 7.3 | 8.5 | 6.9 | 7.4 | 6.5 | | 7.0 | 7.1 |
| | | 1.5 | 84 | 7.7 | 8.7 | 9.9 | 8.0 | 8.6 | 7.3 | | 8.7 | 8.6 |
| | | 2.0 | 96 | 8.5 | 9.7 | 11.5 | 8.7 | 9.4 | 8.0 | | 9.9 | 9.6 |
| | | 2.5 | 108 | 9.6 | 10.8 | 12.6 | 9.3 | 9.9 | 8.8 | | 11.0 | 10.8 |
| | | 3.0 | 119 | 10.6 | 11.3 | 13.4 | 9.7 | 10.2 | 9.5 | | 11.6 | 11.4 |
| Red | 1.44 | 0.7 | 65 | 6.0 | 7.0 | 7.8 | 6.3 | 7.1 | 5.9 | | 6.3 | 6.0 |
| | | 1.0 | 79 | 7.0 | 8.1 | 9.4 | 7.4 | 8.2 | 6.7 | | 7.2 | 7.3 |
| | | 1.5 | 96 | 8.3 | 9.7 | 11.0 | 8.6 | 9.7 | 7.6 | | 9.3 | 8.9 |
| | | 2.0 | 110 | 9.2 | 10.8 | 12.5 | 9.7 | 10.4 | 8.6 | | 10.3 | 9.9 |
| | | 2.5 | 124 | 10.1 | 11.7 | 13.4 | 10.8 | 11.2 | 9.4 | | 11.7 | 11.0 |
| | | 3.0 | 136 | 10.9 | 12.2 | 14.3 | 11.2 | 11.5 | 10.1 | | 12.0 | 11.9 |

SMART JET PC & SMART JET PC IP- DISTRIBUTION PATTERNS AND WETTED DIAMETERS (m)

| | | | | | | | | | | | | |
|--------|------|-------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Black | 0.85 | 1.0-3.0 bar | 19 | 3.2 | 3.7 | 4.5 | 3.9 | 4.3 | 3.3 | 2.9 | 3.8 | 3.5 |
| Orange | 1.05 | | 28 | 3.7 | 4.4 | 4.7 | 4.0 | 4.5 | 3.8 | 3.2 | 4.2 | 4.1 |
| Blue | 1.15 | | 35 | 4.1 | 5.0 | 5.4 | 4.3 | 4.9 | 4.1 | 3.6 | 4.9 | 4.7 |
| Violet | 1.25 | | 46 | 4.6 | 5.7 | 5.9 | 4.9 | 5.5 | 4.6 | 3.8 | 5.7 | 5.1 |
| Green | 1.35 | | 55 | 5.3 | 6.6 | 6.5 | 5.5 | 6.1 | 5.3 | 4.7 | 6.4 | 5.9 |
| Yellow | 1.55 | | 67 | 5.7 | 7.1 | 7.4 | 6.0 | 6.5 | 5.7 | 5.1 | 6.7 | 6.3 |
| Red | 1.65 | | 79 | 6.3 | 8.0 | 8.5 | 6.8 | 7.6 | 6.3 | 6.1 | 7.1 | 7.0 |

* Tested at 0.6m height

** Pattern width: 0.8 - 1.2 m

