

SMART JET



Smart Jet



Smart Jet PC



Smart Jet IP
(Insect Proof)



Smart Jet PC IP



Features & Benefits



Static Insect Proof Jet

The only static jet in the market that has all options of pressure compensation and insect proof with a variety of patterns



Quick Thread Technology

Fast and easy installation with quick threads technology



Specially Designed Ribs

Smooth Streamlined side ribs to give minimum obstruction to water jet



Pressure Compensating Option

Specially designed pressure compensating option available for undulating lands

Smart Jet

Additional 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)
- 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.

Application

For orchards, vineyards, citrus and landscape

Specifications

Smart Jet & Smart Jet IP:

Flow rates: 15 to 136 lph

Recommended working pressure: 0.7 to 3.0 kg/cm²

Required filtration: 130microns (120 mesh)

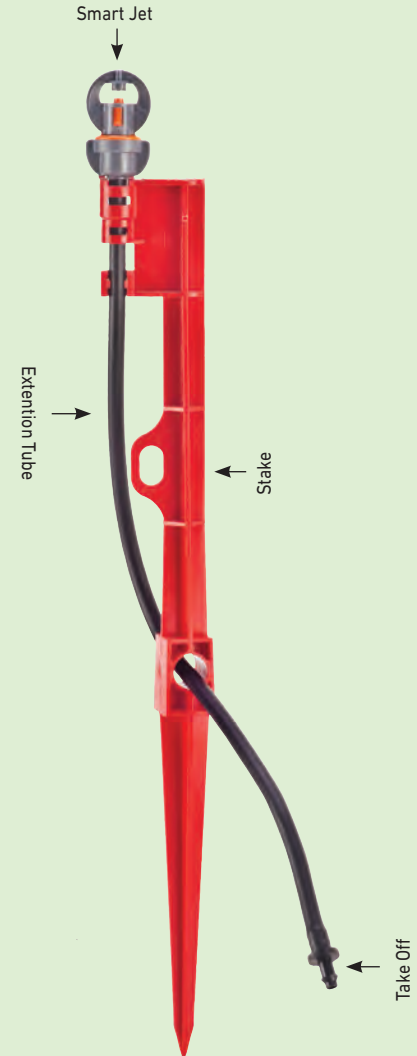
Smart Jet PC & Smart Jet PC IP:

Flow rates: 17 to 85 lph

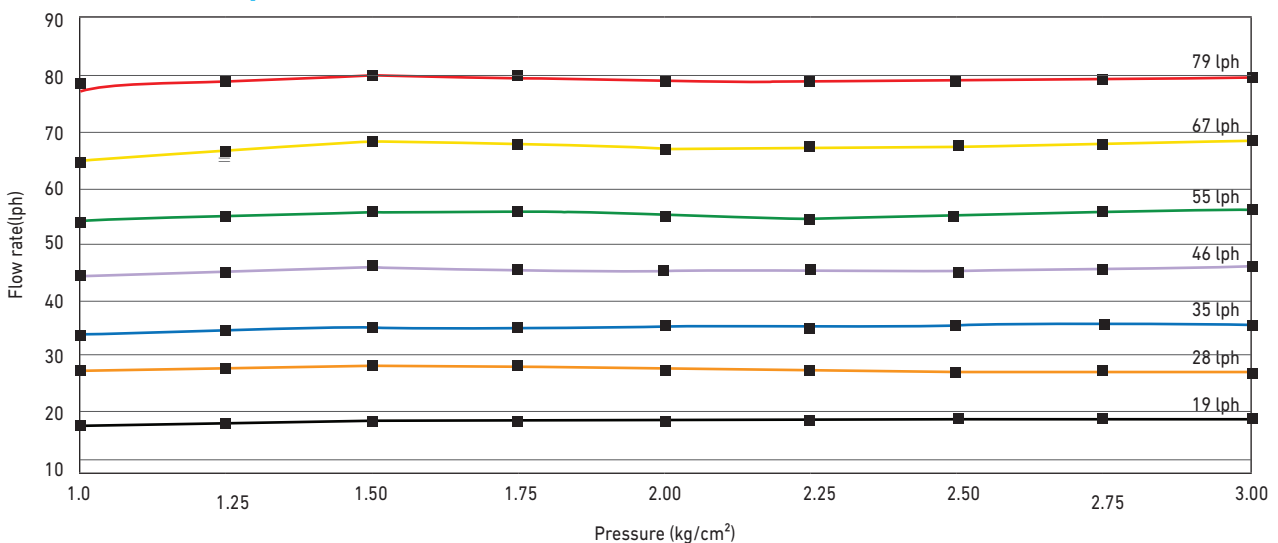
Recommended working pressure: 1.0 to 3.0 kg/cm²

Required filtration: 130microns (120 mesh)

Smart Jet Assembly











Performance Graph - Smart Jet PC



Smart Jet

Smart Jet & Smart Jet IP. Distribution Patterns and wetted diameters (m) Tested at 0.25m height

| Nozzle Color | Nozzle Dia (mm) | P (Kg/cm ²) | Q (lph) | Distribution Pattern & Wetted Diameters (m) | | | | | | | | |
|--------------|-----------------|-------------------------|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| | | | |  |  |  |  | |  |  |  |  |
| | | | | J | U | C | A Low | A High | S** | SF** | H | 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 | 5 | 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 | 5.7 | 4.8 |
| | | 2.5 | 30 | 4.7 | 5.3 | 6.5 | 4.8 | 5.47 | 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 | 5 | 4.4 |
| | | 1.5 | 34 | 4 | 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 | 6.7 |
| | | 3.0 | 49 | 6 | 7.2 | 9.1 | 6.1 | 7 | 5.5 | 4.6 | 7.4 | 7.4 |
| Blue | 0.94 | 0.7 | 28 | 4.1 | 4.5 | 6 | 4.5 | 4.8 | 4.3 | | 4.3 | 4.4 |
| | | 1.0 | 34 | 4.8 | 5.2 | 6.9 | 5.1 | 5.7 | 4.7 | | 5.1 | 4.9 |
| | | 1.5 | 42 | 5.7 | 6 | 7.9 | 5.7 | 6.2 | 5.1 | | 6.1 | 5.9 |
| | | 2.0 | 49 | 6.2 | 6.5 | 8.9 | 6.3 | 7 | 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 | 1.1 | 0.7 | 39 | 5 | 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 | 6.06 | 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 | 1.2 | 0.7 | 45 | 4.9 | 6 | 6.9 | 5.1 | 5.8 | 5.1 | | 5.5 | 5 |
| | | 1.0 | 54 | 5.9 | 6.7 | 8.1 | 6.1 | 6.9 | 5.8 | | 6.7 | 6 |
| | | 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 | 8.7 | 7.4 | | 10.1 | 8.9 |
| | | 3.0 | 95 | 9.5 | 10 | 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 | 6.5 | 5.6 | | 5.9 | 5.7 |
| | | 1.0 | 68 | 6.7 | 7.3 | 8.5 | 6.9 | 7.4 | 6.5 | | 7 | 7.1 |
| | | 1.5 | 84 | 7.7 | 8.7 | 9.9 | 8 | 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 | 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 | 7 | 7.8 | 6.3 | 7.1 | 5.9 | | 6.3 | 6 |
| | | 1.0 | 77 | 7 | 8.1 | 9.4 | 7.4 | 8.2 | 6.7 | | 7.2 | 7.3 |
| | | 1.5 | 96 | 8.3 | 9.7 | 11 | 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 |
| | | 3.0 | 136 | 10.9 | 12.2 | 14.3 | 11.2 | 11.5 | 10.1 | | 12 | 11.9 |

P= Pressure; Q= Discharge; D = Diameter;









*Tested at 0.6 m height

** Pattern width 0.8 - 1.2 m

Tested under laboratory conditions

Smart Jet

Smart Jet PC & Smart Jet PC IP- Distribution Patterns and Wetted Diameters (m)

| Nozzle Color | Nozzle Dia (mm) | P (Kg/cm ²) | Q (lph) | Distribution Pattern & Wetted Diameters (m) | | | | | | | | |
|--------------|-----------------|-------------------------|---------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| | | | |  |  |  |  | |  |  |  |  |
| | | | | J | U | C | A Low | A High | S** | SF** | H | I (In-verted) |
| Black | 0.85 | 1.0 - 3.0 | 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 |

P= Pressure; Q= Discharge; D = Diameter;

*Tested at 0.6 m height

** Pattern width 0.8 - 1.2 m

Tested under laboratory conditions

Ordering Specifications

| Series# | Model | | Pattern Description | | Nozzle | | Tube | | Stake | |
|---------|---------|-----------------|---------------------|--------------------------|--------|-------------|------|---------|-------|-------------|
| 18 | 5 | Classic | 10 | A-Full Circle | 1 | 30 BLK gph | 0 | No Tube | 0 | No Stake |
| | 6 | Insect Proof | 13 | C-Wrap-around | 2 | 35 ORG gph | 1 | 24" | 2 | Multi-Stake |
| | 7 | PC | 19 | J2- Full Circle - 16 Jet | 3 | 40 Blue gph | 2 | 30" | | |
| | 8 | PC Insect Proof | 28 | U - Wrap around | 4 | 45VLT gph | 3 | 36" | | |
| | | | | | 5 | 50 GRN gph | 4 | 48" | | |
| | | | | | 6 | 55 YEL gph | 5 | 60" | | |
| | | | | | 7 | 60 Red gph | | | | |
| | | | | | 8 | 65 BRN gph | | | | |
| | Example | | | | | | | | | |
| 18 | 6 | | 28 | | 5 | | 2 | | 1 | |

Catalog Number : 18628521 Smart Jet Insect Proof w/U pattern, Green Nozzle, 30" tube and stake 34

