

Smart Jet 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 to insect proofing based on extended nozzles.
- Insect Proof model reduces plugging and labor needed to check plugging.
- No IP in Smart Jet inverted version
- PC model maintains flow and enables longer laterals.
- Minimal wear & tear.
- Large variety of nozzles & jet patterns.
- With different jet patterns, the Smart Jet family can match any tree spacing.
- Adaptors are available for matching Smart Jet to ND spikes (31, 36 & 37) and 5.8mm rod.
- Smart cap option for limited wetted area in young trees. The cap is removed when the mature tree requires a larger wetted area.

Technical Data

Smart Jet & Smart Jet IP:

- Recommended working pressure: 0.7 - 3.0 bar
- Flow rates: 15 - 136 l/h
- Filtration requirements:
 - 120 mesh/130 micron (for Black, Orange & Blue nozzle)
 - 80 mesh/200 micron (for Violet, Green, Yellow & Red nozzle)

Smart Jet PC & Smart Jet PC IP:









- Recommended working pressure: 1.0 - 3.0 bar
- Flow rates: ≥ 40 l/h
- Filtration requirements:
 - 120 mesh/130 micron (for Black, Orange & Blue nozzle)
 - 80 mesh/200 micron (for Violet, Green, Yellow & Red nozzle)

- 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 (16 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
Orange	0.86	3.0	33	4.8	5.6	6.7	5.2	5.6	4.7	3.8	6.4	5.3
		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
Blue	0.94	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
		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
Violet	1.10	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
		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
Green	1.20	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
		0.7	45	4.9	6.0	6.9	5.1	5.8	5.1		5.5	5.0
Yellow	1.34	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
Red	1.44	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
Red	1.44	3.0	119	10.6	11.3	13.4	9.7	10.2	9.5		11.6	11.4
		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
Red	1.44	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)

Nozzle color	Nozzle Diameter (mm)	Pressure (bar)	Flow rate (l/h)	J (16 jets)	U (270°)	C (210°)	A Low	A High	S (Strip)**	SF (Strip Flat)**	H (180°)	I (inverted) *
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

