SMART JET FAMILY ^{PAT. PENDING}

PAT. PENDING

Smart Jet   Smart Jet IP (Insect Proof)   Smart Jet PC   Smart Jet PC IP
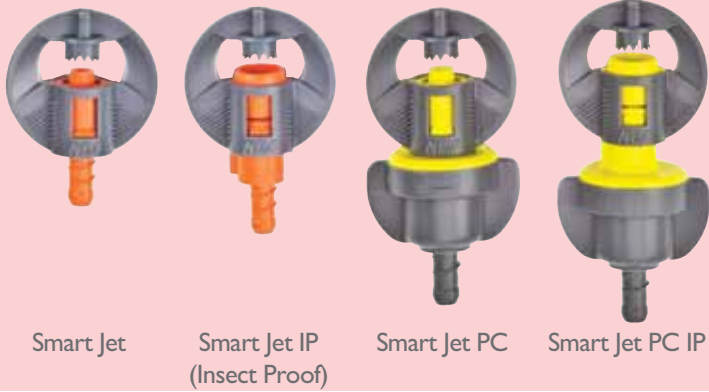
APPLICATIONS

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.

![NaanDanJain - A Jain Irrigation Company]

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
		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		1.6 1	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)

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		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	1.0-3.0 bar	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

SMART JET PC Flow rate vs. pressure