



NOZZLE TECHNICAL DATA SHEET

STANDARD FAN AIR

These nozzles draw in air to provide large aerated droplets which can shatter upon target impact and disperse rather than bounce, as with traditional large droplets, to provide improved coverage and penetration with reduced drift.

The Standard Fan Air Induction nozzles has proved very popular world wide for many years. The pre-orifice insert is removable to facilitate cleaning and the air holes are shrouded to reduce potential blocking in dusty applications.

With the Standard Fan Air Induction nozzle, the addition of a side hole draws in air to infuse the fluid stream which provides yet a further enhancement to the low drift characteristics ideal for sensitive spraying applications.



FEATURES

- Available in spray angle of 110°.
- Two piece construction providing a removable insert to facilitate cleaning.
- All polyacetal construction for chemical stability and excellent wear characteristics.
- Only 26.5 mm in length, therefore less prone to damage.
- Colour coded (in accordance with ISO10625) for quick identification of flow rate.
- International size allows direct replacement with all conventional flat fan tips.
- Self alignment of spray when fitted in standard flat fan bayonet caps.
- Suitable for both knapsack and boom sprayers.
- Potential drift reduction of 79%-96% at 3 bar when compared with conventional nozzles.

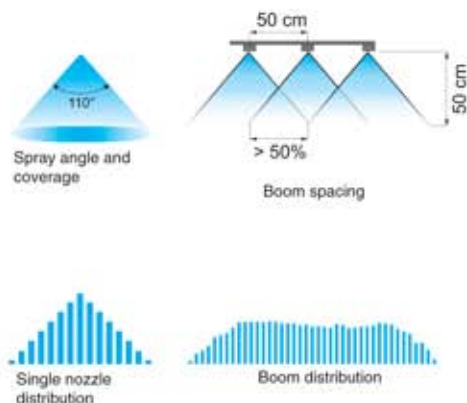
APPLICATIONS

- Used for application of herbicides, fungicides, insecticides.

LERAP RATING

The Standard Fan Air Induction range of nozzles has been awarded LERAP (Local Environmental Risk Assessments for Pesticides) 3 star accreditation by the Pesticides Safety Directorate for sizes 015 ÷ 05 across a pressure range of 2 ÷ 5 bar, thus greatly improving the area available for treatment.

By using ISJ's LERAP rated nozzles, farmers will achieve the high level of accuracy required to obtain increased productivity, by spraying closer to sensitive field margins and satisfying LERAP safety requirements for the protection of surface water resources.





SPRAY QUALITY CLASSIFICATION

| Very Fine (VF) | Fine (F) | Medium (M) | Coarse (C) | Very Coarse (VC) |
|----------------|---------------|---------------|---------------|------------------|
| < 119µm | 119µm ÷ 216µm | 217µm ÷ 353µm | 354µm ÷ 464µm | > 464µm |

µm= millionth millimeter (Eg.: 250µm = 0.25 mm)

| Code | 2 bar | 3 bar | 4 bar | 5 bar |
|-----------|-------|-------|-------|-------|
| SFA11001 | VC | C | C | C |
| SFA110015 | VC | VC | C | C |
| SFA11002 | VC | VC | VC | C |
| SFA110025 | VC | VC | VC | C |
| SFA11003 | VC | VC | VC | VC |
| SFA11004 | VC | VC | VC | VC |
| SFA11005 | VC | VC | VC | VC |

STANDARD FAN AIR

| Code |  bar |  l/min | l/ha (nozzle spacing: 50 cm) | | | | | | | | ★★★ LERAP bar |
|-----------|--|--|------------------------------|--------|--------|---------|---------|---------|---------|---------|---------------------|
| | | | 4 km/h | 6 km/h | 8 km/h | 10 km/h | 12 km/h | 14 km/h | 16 km/h | 18 km/h | |
| SFA11001 | 2 | 0.33 | 99 | 66 | 50 | 40 | 33 | 28 | 25 | 22 | --- |
| | 3 | 0.40 | 120 | 80 | 60 | 48 | 40 | 34 | 30 | 27 | |
| | 4 | 0.46 | 138 | 92 | 69 | 55 | 46 | 39 | 35 | 31 | |
| | 5 | 0.52 | 156 | 104 | 78 | 62 | 52 | 45 | 39 | 35 | |
| SFA110015 | 2 | 0.49 | 147 | 98 | 74 | 59 | 49 | 42 | 37 | 33 | 2 |
| | 3 | 0.60 | 180 | 120 | 90 | 72 | 60 | 51 | 45 | 40 | |
| | 4 | 0.69 | 207 | 138 | 104 | 83 | 69 | 59 | 52 | 46 | |
| | 5 | 0.77 | 231 | 154 | 116 | 92 | 77 | 66 | 58 | 51 | |
| SFA11002 | 2 | 0.65 | 195 | 130 | 98 | 78 | 65 | 56 | 49 | 43 | 2 + 2.5 |
| | 3 | 0.80 | 240 | 160 | 120 | 96 | 80 | 69 | 60 | 53 | |
| | 4 | 0.92 | 276 | 184 | 138 | 110 | 92 | 79 | 69 | 61 | |
| | 5 | 1.03 | 309 | 206 | 155 | 124 | 103 | 88 | 77 | 69 | |
| SFA110025 | 2 | 0.82 | 246 | 164 | 123 | 98 | 82 | 70 | 62 | 55 | 2 + 2.5 |
| | 3 | 1.00 | 300 | 200 | 150 | 120 | 100 | 86 | 75 | 67 | |
| | 4 | 1.15 | 345 | 230 | 173 | 138 | 115 | 99 | 86 | 77 | |
| | 5 | 1.29 | 387 | 258 | 194 | 155 | 129 | 111 | 97 | 86 | |
| SFA11003 | 2 | 0.98 | 294 | 196 | 147 | 118 | 98 | 84 | 74 | 65 | 2 + 5 |
| | 3 | 1.20 | 360 | 240 | 180 | 144 | 120 | 103 | 90 | 80 | |
| | 4 | 1.39 | 417 | 278 | 209 | 167 | 139 | 119 | 104 | 93 | |
| | 5 | 1.55 | 465 | 310 | 233 | 186 | 155 | 133 | 116 | 103 | |
| SFA11004 | 2 | 1.31 | 393 | 262 | 197 | 157 | 131 | 112 | 98 | 87 | 2 + 5 |
| | 3 | 1.60 | 480 | 320 | 240 | 192 | 160 | 137 | 120 | 107 | |
| | 4 | 1.85 | 555 | 370 | 278 | 222 | 185 | 159 | 139 | 123 | |
| | 5 | 2.07 | 621 | 414 | 311 | 248 | 207 | 177 | 155 | 138 | |
| SFA11005 | 2 | 1.63 | 489 | 326 | 244 | 196 | 163 | 140 | 122 | 109 | 2 + 5 |
| | 3 | 2.00 | 600 | 400 | 300 | 240 | 200 | 171 | 150 | 133 | |
| | 4 | 2.31 | 693 | 462 | 346 | 277 | 231 | 198 | 173 | 154 | |
| | 5 | 2.58 | 774 | 516 | 387 | 310 | 258 | 221 | 193 | 172 | |

ACCESSORIES



QUICK FITTING CAP
402900

ALSO AVAILABLE IN
BLISTER PACK
10 pcs



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