

MODULAR GROUP



Complete range of micro-sprinklers and micro-jets

APPLICATIONS

- Irrigation in orchards, vegetables and gardens
- Irrigation in greenhouses and shade houses
- Cooling of poultry and livestock

STRUCTURE AND FEATURES

Broad range of wetted diameters and flow rates

- Full- and part-circle patterns
- Small, medium or large droplets produced by different sprayers, swivels or anti-mist devices



TECHNICAL DATA

- Recommended working pressure: 1.5-3.0 bar
- Flow rate: 25-400 l/h
- Wetted diameter: 1-10 m
- Filtration requirement: 130 micron for purple and brown nozzles
200 micron for other nozzles



MODULAR NOZZLE AND FLOW RATE VS. PRESSURE

| Color | Flow rate (l/h) | Nozzle ID (mm) | Pressure (bar) | | | | | |
|-----------|-----------------|----------------|----------------|------|-----|-----|-----|-----|
| | | | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 |
| Violet | 35 | 0.82 | 25 | 30 | 35 | 39 | 43 | 46 |
| Brown | 43 | 0.94 | 32 | 37 | 43 | 50 | 55 | 60 |
| Pink | 55 | 1.02 | 38.5 | 47.5 | 55 | 62 | 68 | 73 |
| Grey | 70 | 1.16 | 49 | 60 | 70 | 78 | 86 | 93 |
| Green | 105 | 1.41 | 74 | 90 | 105 | 117 | 129 | 139 |
| Orange | 120 | 1.50 | 85 | 105 | 120 | 134 | 147 | 159 |
| Yellow | 160 | 1.73 | 113 | 140 | 160 | 179 | 196 | 212 |
| Blue | 200 | 1.92 | 141 | 170 | 200 | 224 | 245 | 265 |
| Ivory | 235 | 2.07 | 166 | 204 | 235 | 263 | 288 | 311 |
| Red | 260 | 2.18 | 184 | 225 | 260 | 291 | 318 | 344 |
| Turquoise | 300 | 2.34 | 212 | 260 | 300 | 335 | 367 | 397 |

WETTED DIAMETER (m) AT 2.0 BAR AND 0.25 m ABOVE GROUND LEVEL

| Anti-mist color (Ø) | Nozzle color | Flow rate (l/h) | Nozzle ID (mm) | Static Spreaders | | | | | | | Swivels | | | | | | |
|---------------------|--------------|-----------------|----------------|------------------|------|--------------|-------|----------------------|------|--------|-------------|----------|-----------------|----------------|------------|----------|------|
| | | | | 90° | 180° | Mist sprayer | Strip | Close-range spreader | Flat | 12 Jet | Small black | Anti-ant | One sided black | One sided blue | Big orange | Inverted | |
| | | | | Height (m) | | | | | | | | | | | | | |
| | | | | 1.7 | 2.2 | 1.5 | 3.2 | 0.9 | 2.8 | 3.4 | 5.5 | 6.0 | 6.5 | | | 5.0 | 6.0 |
| | Violet | 35 | 0.82 | 1.7 | 2.2 | 1.5 | 3.2 | 0.9 | 2.8 | 3.4 | 5.5 | 6.0 | 6.5 | | | 5.5 | 6.5 |
| | Brown | 43 | 0.94 | 1.7 | 2.5 | 1.8 | 4.2 | 0.9 | 3.4 | 4.5 | 5.5 | 6.0 | 6.5 | | | 6.0 | 7.0 |
| | Pink | 55 | 1.02 | 2.0 | 2.5 | | 4.5 | 0.9 | 3.4 | 5.0 | 5.7 | 6.0 | 7.0 | | | 6.5 | 7.5 |
| | Grey | 70 | 1.16 | 2.5 | 2.7 | | 8.5 | 0.9 | 3.4 | 5.5 | 6.0 | 6.5 | 7.5 | | | 6.5 | 7.5 |
| | Green | 105 | 1.41 | 3.5 | 2.7 | | 9.0 | 0.9 | 3.4 | 6.0 | 6.0 | 7.0 | 7.5 | | 9.0 | 8.0 | 8.5 |
| | Orange | 120 | 1.50 | 4.5 | 2.7 | | 9.0 | 0.9 | 4.0 | 6.0 | 6.0 | 7.0 | 8.0 | | 9.0 | 8.0 | 9.0 |
| | Yellow | 160 | 1.73 | | | | | | | | 6.5 | 8.0 | 8.0 | 8.0 | 9.0 | 9.0 | 9.5 |
| | Blue | 200 | 1.92 | | | | | | | | | 8.0 | 8.5 | 8.5 | 9.0 | 9.0 | 10.0 |
| | Ivory | 235 | 2.07 | | | | | | | | | | 8.5 | 9.0 | 10.0 | 9.0 | 10.5 |
| | Red | 260 | 2.18 | | | | | | | | | | 8.5 | 10.0 | 10.0 | 9.0 | 11.0 |
| | Turquoise | 300 | 2.34 | | | | | | | | | | 9.0 | 10.5 | 10.0 | 9.5 | 11.0 |
| Green /0.94 | Green | 40 | 1.41 | 2.0 | 1.2 | | 2.8 | 0.8 | 3.5 | 2.5 | 4.0 | | | | | 4.5 | 6.0 |
| Orange /1.16 | Orange | 70 | 1.50 | 2.2 | 2.2 | | 5.0 | 0.8 | 3.5 | 4.5 | 5.0 | | | | | 6.0 | 7.5 |
| Yellow /1.40 | Yellow | 90 | 1.73 | 2.5 | 2.5 | | 5.5 | 0.9 | 4.0 | 5.0 | 5.5 | | | | | 6.0 | 8.0 |
| Blue /1.50 | Blue | 120 | 1.92 | 2.5 | 2.7 | | 7.0 | 1.0 | 4.0 | 6.0 | 6.0 | | | | | 6.5 | 8.0 |

Tested under laboratory conditions
* Inverted swivel tested at 0.6m and 1.8 m
** Only for upright uses