



Quality flat spray nozzles QS 80

Ceramic universal flat spray nozzles with a finer droplet spectrum, for low l/ha rates and higher workrates.

Advantages

- 80° flat spray reduces drift in comparison with 110°/120° flat spray
- Higher droplet density thanks to optimized droplet spectrum
- Lower volume flow tolerance of +1 / -3% due to high manufacturing quality.
- Optimum cross distribution for boom heights of 0.6 – 0.9 m
- Ceramic tip ensures high wear resistance



Nozzle size
015 – 025



Spray angle
80°



Material
Ceramic



Pressure range
1.5 – 5 bar



Recommended filters
80 M 015
60 M 02 – 025



Droplet size
Medium – fine



Width across flats
8 mm



Boom height
60 – 90 cm

Application areas



Plant protection products and growth regulators



Border application can be combined with border nozzle OC

Spray table for quality flat spray nozzles QS 80

| | ISO 25358 | I/min | I/ha | | | | | | | | | | | |
|-------------------------|-----------|-------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----|
| | | | 5.0 km/h | 6.0 km/h | 7.0 km/h | 8.0 km/h | 9.0 km/h | 10.0 km/h | 12.0 km/h | 14.0 km/h | 16.0 km/h | 18.0 km/h | 20.0 km/h | |
| QS 80-015 (80 M) | F | 1.5 | 0.42 | 101 | 84 | 72 | 63 | 56 | 50 | 42 | 36 | 32 | 28 | 25 |
| | F | 2.0 | 0.48 | 115 | 96 | 82 | 72 | 64 | 58 | 48 | 41 | 36 | 32 | 29 |
| | F | 2.5 | 0.54 | 130 | 108 | 93 | 81 | 72 | 65 | 54 | 46 | 41 | 36 | 32 |
| | F | 3.0 | 0.59 | 142 | 118 | 101 | 89 | 79 | 71 | 59 | 51 | 44 | 39 | 35 |
| | F | 3.5 | 0.63 | 151 | 126 | 108 | 95 | 84 | 76 | 63 | 54 | 47 | 42 | 38 |
| | F | 4.0 | 0.68 | 163 | 136 | 117 | 102 | 91 | 82 | 68 | 58 | 51 | 45 | 41 |
| | F | 5.0 | 0.76 | 182 | 152 | 130 | 114 | 101 | 91 | 76 | 65 | 57 | 51 | 46 |
| QS 80-02 (60 M) | M | 1.5 | 0.56 | 134 | 112 | 96 | 84 | 75 | 67 | 56 | 48 | 42 | 37 | 34 |
| | F | 2.0 | 0.65 | 156 | 130 | 111 | 98 | 87 | 78 | 65 | 56 | 49 | 43 | 39 |
| | F | 2.5 | 0.73 | 175 | 146 | 125 | 110 | 97 | 88 | 73 | 63 | 55 | 49 | 44 |
| | F | 3.0 | 0.80 | 192 | 160 | 137 | 120 | 107 | 96 | 80 | 69 | 60 | 53 | 48 |
| | F | 3.5 | 0.86 | 206 | 172 | 147 | 129 | 115 | 103 | 86 | 74 | 65 | 57 | 52 |
| | F | 4.0 | 0.92 | 221 | 184 | 158 | 138 | 123 | 110 | 92 | 79 | 69 | 61 | 55 |
| | F | 5.0 | 1.03 | 247 | 206 | 177 | 155 | 137 | 124 | 103 | 97 | 77 | 69 | 62 |
| QS 80-025 (60 M) | M | 1.5 | 0.70 | 168 | 140 | 120 | 105 | 93 | 84 | 70 | 60 | 53 | 47 | 42 |
| | F | 2.0 | 0.81 | 194 | 162 | 139 | 122 | 108 | 97 | 81 | 69 | 61 | 54 | 49 |
| | F | 2.5 | 0.91 | 218 | 182 | 156 | 137 | 121 | 109 | 91 | 78 | 68 | 61 | 55 |
| | F | 3.0 | 0.99 | 238 | 198 | 170 | 149 | 132 | 119 | 99 | 85 | 74 | 66 | 59 |
| | F | 3.5 | 1.07 | 257 | 214 | 183 | 161 | 143 | 129 | 107 | 92 | 80 | 71 | 64 |
| | F | 4.0 | 1.15 | 276 | 230 | 197 | 173 | 153 | 138 | 115 | 99 | 86 | 77 | 69 |
| | F | 5.0 | 1.28 | 307 | 256 | 219 | 192 | 171 | 154 | 128 | 110 | 96 | 85 | 77 |

ISO 25358
Droplet size classification

New measuring system!
Further information see page 13.

| | |
|----|------------------|
| VF | Very fine |
| F | Fine |
| M | Medium |
| C | Coarse |
| VC | Very coarse |
| XC | Extremely coarse |
| UC | Ultra coarse |

Classifications are subject to change.

- Spray pressure at the nozzle tip (gauged with a diaphragm valve)
- The stated liter-per-hectare rates apply to water
- Prior to each spraying season, verify the table data by gauging the flow rates
- Make sure that all nozzles have the same settings

Example of ordering

Type + spray angle + int'l nozzle size + material = ordering number
 QS 80° 015 C (ceramic) = QS 80-015 C