



BROADCAST NOZZLES

Typical Applications



HERBICIDE
CONTACT
VERY GOOD
SYSTEMIC
GOOD



FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



INSECTICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



DRIFT CONTROL
GOOD



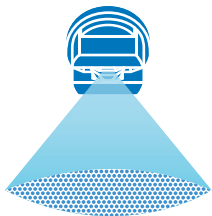
PWM APPROVED



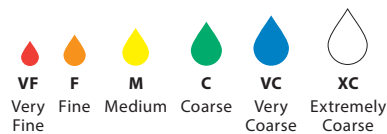
FEATURES

- Tapered edge flat spray angle pattern for uniform coverage in broadcast spray application.
- Reduces drift at lower pressures, better coverage at higher pressures.
- Ceramic is available with corrosive resistant polypropylene VisiFlo color-coded tip holder in 80° capacities 03–08 and 110° capacities 02–08.
- XR110025 only available in VK.
- XR80025 and XR80035 only available in VS.
- Brass available in 110° only.
- Automatic spray alignment with 114441A-*-CELR (01 to 08) or 114443A-*-CELR (10 and 15) Quick TeeJet® cap and gasket. Reference page 118 for more information.

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

| ANGLE | HEIGHT |
|-------|--------|
| 80° | 75 cm |
| 110° | 50 cm |

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

- VS** STAINLESS STEEL
- VP** POLYMER
- VK** CERAMIC
- VB** BRASS
- SS** STAINLESS STEEL

HOW TO ORDER

Ceramic with VisiFlo® color-coding

X R 1 1 0 0 4 - V K

Tip Type Spray Angle Capacity Size Material Code

Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket*

X R 1 1 0 0 2 - V P - C E

Tip Type Spray Angle Capacity Size Material Code Cap and Gasket Included

*Reference page 118 for more caps information.



BROADCAST NOZZLES

| TIP PART NO. (STRAINER MESH SIZE) | bar | DROPS SIZE | | CAPACITY ONE TIP IN l/min | APPLICATION RATE FOR 50 cm SPRAY TIP SPACING | | | | | | | | | | | | |
|-----------------------------------|-----|------------|--------|---------------------------|--|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|------|------|
| | | 80° | 110° | | l/ha | | | | | | | | | | | | |
| | | 4 km/h | 5 km/h | | 6 km/h | 7 km/h | 8 km/h | 10 km/h | 12 km/h | 16 km/h | 18 km/h | 20 km/h | 25 km/h | 30 km/h | 35 km/h | | |
| XR8001 XR11001 (100) | 1.0 | F | F | 0.23 | 69.0 | 55.2 | 46.0 | 39.4 | 34.5 | 27.6 | 23.0 | 17.3 | 15.3 | 13.8 | 11.0 | 9.2 | 7.9 |
| | 1.5 | F | F | 0.28 | 84.0 | 67.2 | 56.0 | 48.0 | 42.0 | 33.6 | 28.0 | 21.0 | 18.7 | 16.8 | 13.4 | 11.2 | 9.6 |
| | 2.0 | F | F | 0.32 | 96.0 | 76.8 | 64.0 | 54.9 | 48.0 | 38.4 | 32.0 | 24.0 | 21.3 | 19.2 | 15.4 | 12.8 | 11.0 |
| | 2.5 | F | F | 0.36 | 108 | 86.4 | 72.0 | 61.7 | 54.0 | 43.2 | 36.0 | 27.0 | 24.0 | 21.6 | 17.3 | 14.4 | 12.3 |
| | 3.0 | F | F | 0.39 | 117 | 93.6 | 78.0 | 66.9 | 58.5 | 46.8 | 39.0 | 29.3 | 26.0 | 23.4 | 18.7 | 15.6 | 13.4 |
| XR80015 XR110015 (100) | 1.0 | M | M | 0.34 | 102 | 81.6 | 68.0 | 58.3 | 51.0 | 40.8 | 34.0 | 25.5 | 22.7 | 20.4 | 16.3 | 13.6 | 11.7 |
| | 1.5 | F | F | 0.42 | 126 | 101 | 84.0 | 72.0 | 63.0 | 50.4 | 42.0 | 31.5 | 28.0 | 25.2 | 20.2 | 16.8 | 14.4 |
| | 2.0 | F | F | 0.48 | 144 | 115 | 96.0 | 82.3 | 72.0 | 57.6 | 48.0 | 36.0 | 32.0 | 28.8 | 23.0 | 19.2 | 16.5 |
| | 2.5 | F | F | 0.54 | 162 | 130 | 108 | 92.6 | 81.0 | 64.8 | 54.0 | 40.5 | 36.0 | 32.4 | 25.9 | 21.6 | 18.5 |
| | 3.0 | F | F | 0.59 | 177 | 142 | 118 | 101 | 88.5 | 70.8 | 59.0 | 44.3 | 39.3 | 35.4 | 28.3 | 23.6 | 20.2 |
| XR8002 XR11002 (50) | 1.0 | M | M | 0.46 | 138 | 110 | 92.0 | 78.9 | 69.0 | 55.2 | 46.0 | 34.5 | 30.7 | 27.6 | 22.1 | 18.4 | 15.8 |
| | 1.5 | M | M | 0.56 | 168 | 134 | 112 | 96.0 | 84.0 | 67.2 | 56.0 | 42.0 | 37.3 | 33.6 | 26.9 | 22.4 | 19.2 |
| | 2.0 | F | F | 0.65 | 195 | 156 | 130 | 111 | 97.5 | 78.0 | 65.0 | 48.8 | 43.3 | 39.0 | 31.2 | 26.0 | 22.3 |
| | 2.5 | F | F | 0.72 | 216 | 173 | 144 | 123 | 108 | 86.4 | 72.0 | 54.0 | 48.0 | 43.2 | 34.6 | 28.8 | 24.7 |
| | 3.0 | F | F | 0.79 | 237 | 190 | 158 | 135 | 119 | 94.8 | 79.0 | 59.3 | 52.7 | 47.4 | 37.9 | 31.6 | 27.1 |
| XR80025 XR110025 (50) | 1.0 | M | M | 0.57 | 171 | 137 | 114 | 97.7 | 85.5 | 68.4 | 57.0 | 42.8 | 38.0 | 34.2 | 27.4 | 22.8 | 19.5 |
| | 1.5 | M | M | 0.70 | 210 | 168 | 140 | 120 | 105 | 84.0 | 70.0 | 52.5 | 46.7 | 42.0 | 33.6 | 28.0 | 24.0 |
| | 2.0 | M | M | 0.81 | 243 | 194 | 162 | 139 | 122 | 97.2 | 81.0 | 60.8 | 54.0 | 48.6 | 38.9 | 32.4 | 27.8 |
| | 2.5 | F | F | 0.90 | 270 | 216 | 180 | 154 | 135 | 108 | 90.0 | 67.5 | 60.0 | 54.0 | 43.2 | 36.0 | 30.9 |
| | 3.0 | F | F | 0.99 | 297 | 238 | 198 | 170 | 149 | 119 | 99.0 | 74.3 | 66.0 | 59.4 | 47.5 | 39.6 | 33.9 |
| XR8003 XR11003 (50) | 1.0 | M | M | 0.68 | 204 | 163 | 136 | 117 | 102 | 81.6 | 68.0 | 51.0 | 45.3 | 40.8 | 32.6 | 27.2 | 23.3 |
| | 1.5 | M | M | 0.83 | 249 | 199 | 166 | 142 | 125 | 99.6 | 83.0 | 62.3 | 55.3 | 49.8 | 39.8 | 33.2 | 28.5 |
| | 2.0 | M | M | 0.96 | 288 | 230 | 192 | 165 | 144 | 115 | 96.0 | 72.0 | 64.0 | 57.6 | 46.1 | 38.4 | 32.9 |
| | 2.5 | M | M | 1.08 | 324 | 259 | 216 | 185 | 162 | 130 | 108 | 81.0 | 72.0 | 64.8 | 51.8 | 43.2 | 37.0 |
| | 3.0 | F | F | 1.18 | 354 | 283 | 236 | 202 | 177 | 142 | 118 | 88.5 | 78.7 | 70.8 | 56.6 | 47.2 | 40.5 |
| XR80035 (50) | 1.0 | M | | 0.80 | 240 | 192 | 160 | 137 | 120 | 96.0 | 80.0 | 60.0 | 53.3 | 48.0 | 38.4 | 32.0 | 27.4 |
| | 1.5 | M | | 0.98 | 294 | 235 | 196 | 168 | 147 | 118 | 98.0 | 73.5 | 65.3 | 58.8 | 47.0 | 39.2 | 33.6 |
| | 2.0 | M | | 1.13 | 339 | 271 | 226 | 194 | 170 | 136 | 113 | 84.8 | 75.3 | 67.8 | 54.2 | 45.2 | 38.7 |
| | 2.5 | M | | 1.26 | 378 | 302 | 252 | 216 | 189 | 151 | 126 | 94.5 | 84.0 | 75.6 | 60.5 | 50.4 | 43.2 |
| | 3.0 | M | | 1.38 | 414 | 331 | 276 | 237 | 207 | 166 | 138 | 104 | 92.0 | 82.8 | 66.2 | 55.2 | 47.3 |
| XR8004 XR11004 (50) | 1.0 | M | M | 0.91 | 273 | 218 | 182 | 156 | 137 | 109 | 91.0 | 68.3 | 60.7 | 54.6 | 43.7 | 36.4 | 31.2 |
| | 1.5 | M | M | 1.12 | 336 | 269 | 224 | 192 | 168 | 134 | 112 | 84.0 | 74.7 | 67.2 | 53.8 | 44.8 | 38.4 |
| | 2.0 | M | M | 1.29 | 387 | 310 | 258 | 221 | 194 | 155 | 129 | 96.8 | 86.0 | 77.4 | 61.9 | 51.6 | 44.2 |
| | 2.5 | M | M | 1.44 | 432 | 346 | 288 | 247 | 216 | 173 | 144 | 108 | 96.0 | 86.4 | 69.1 | 57.6 | 49.4 |
| | 3.0 | M | M | 1.58 | 474 | 379 | 316 | 271 | 237 | 190 | 158 | 119 | 105 | 94.8 | 75.8 | 63.2 | 54.2 |
| XR8005 XR11005 (50) | 1.0 | C | M | 1.14 | 342 | 274 | 228 | 195 | 171 | 137 | 114 | 85.5 | 76.0 | 68.4 | 54.7 | 45.6 | 39.1 |
| | 1.5 | M | M | 1.39 | 417 | 334 | 278 | 238 | 209 | 167 | 139 | 104 | 92.7 | 83.4 | 66.7 | 55.6 | 47.7 |
| | 2.0 | M | M | 1.61 | 483 | 386 | 322 | 276 | 242 | 193 | 161 | 121 | 107 | 96.6 | 77.3 | 64.4 | 55.2 |
| | 2.5 | M | M | 1.80 | 540 | 432 | 360 | 309 | 270 | 216 | 180 | 135 | 120 | 108 | 86.4 | 72.0 | 61.7 |
| | 3.0 | M | M | 1.97 | 591 | 473 | 394 | 338 | 296 | 236 | 197 | 148 | 131 | 118 | 94.6 | 78.8 | 67.5 |
| XR8006 XR11006 (50) | 1.0 | C | C | 1.37 | 411 | 329 | 274 | 235 | 206 | 164 | 137 | 103 | 91.3 | 82.2 | 65.8 | 54.8 | 47.0 |
| | 1.5 | C | M | 1.68 | 504 | 403 | 336 | 288 | 252 | 202 | 168 | 126 | 112 | 101 | 80.6 | 67.2 | 57.6 |
| | 2.0 | M | M | 1.94 | 582 | 466 | 388 | 333 | 291 | 233 | 194 | 146 | 129 | 116 | 93.1 | 77.6 | 66.5 |
| | 2.5 | M | M | 2.16 | 648 | 518 | 432 | 370 | 324 | 259 | 216 | 162 | 144 | 130 | 104 | 86.4 | 74.1 |
| | 3.0 | M | M | 2.37 | 711 | 569 | 474 | 406 | 356 | 284 | 237 | 178 | 158 | 142 | 114 | 94.8 | 81.3 |
| XR8008 XR11008 (50) | 1.0 | VC | C | 1.82 | 546 | 437 | 364 | 312 | 273 | 218 | 182 | 137 | 121 | 109 | 87.4 | 72.8 | 62.4 |
| | 1.5 | C | M | 2.23 | 669 | 535 | 446 | 382 | 335 | 268 | 223 | 167 | 149 | 134 | 107 | 89.2 | 76.5 |
| | 2.0 | C | M | 2.58 | 774 | 619 | 516 | 442 | 387 | 310 | 258 | 194 | 172 | 155 | 124 | 103 | 88.5 |
| | 2.5 | M | M | 2.88 | 864 | 691 | 576 | 494 | 432 | 346 | 288 | 216 | 192 | 173 | 138 | 115 | 98.7 |
| | 3.0 | M | M | 3.16 | 948 | 758 | 632 | 542 | 474 | 379 | 316 | 237 | 211 | 190 | 152 | 126 | 108 |
| XR8010† XR11010† | 1.0 | VC | C | 2.28 | 684 | 547 | 456 | 391 | 342 | 274 | 228 | 171 | 152 | 137 | 109 | 91.2 | 78.2 |
| | 1.5 | C | C | 2.79 | 837 | 670 | 558 | 478 | 419 | 335 | 279 | 209 | 186 | 167 | 134 | 112 | 95.7 |
| | 2.0 | C | C | 3.23 | 969 | 775 | 646 | 554 | 485 | 388 | 323 | 242 | 215 | 194 | 155 | 129 | 111 |
| | 2.5 | C | M | 3.61 | 1083 | 866 | 722 | 619 | 542 | 433 | 361 | 271 | 241 | 217 | 173 | 144 | 124 |
| | 3.0 | M | M | 3.95 | 1185 | 948 | 790 | 677 | 593 | 474 | 395 | 296 | 263 | 237 | 190 | 158 | 135 |
| XR8015† XR11015† | 1.0 | XC | VC | 3.42 | 1026 | 821 | 684 | 586 | 513 | 410 | 342 | 257 | 228 | 205 | 164 | 137 | 117 |
| | 1.5 | VC | VC | 4.19 | 1257 | 1006 | 838 | 718 | 629 | 503 | 419 | 314 | 279 | 251 | 201 | 168 | 144 |
| | 2.0 | VC | C | 4.83 | 1449 | 1159 | 966 | 828 | 725 | 580 | 483 | 362 | 322 | 290 | 232 | 193 | 166 |
| | 2.5 | C | C | 5.40 | 1620 | 1296 | 1080 | 926 | 810 | 648 | 540 | 405 | 360 | 324 | 259 | 216 | 185 |
| | 3.0 | C | C | 5.92 | 1776 | 1421 | 1184 | 1015 | 888 | 710 | 592 | 444 | 395 | 355 | 284 | 237 | 203 |
| 4.0 | M | M | 6.84 | 2052 | 1642 | 1368 | 1173 | 1026 | 821 | 684 | 513 | 456 | 410 | 328 | 274 | 235 | |

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 21°C. See technical information (pages 179–202) for droplet size classification, useful formulas and other technical information. †Available in all stainless steel only.