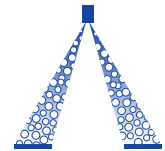


Asymmetrical air-injector twin flat spray nozzles IDTA



Crop production

Ground care



Dimensions in mm.

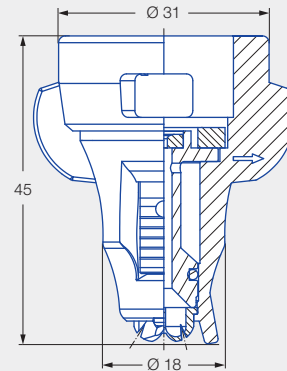
- Air-aspirating asymmetrical twin flat spray nozzle
- Extremely low-drift

Advantages

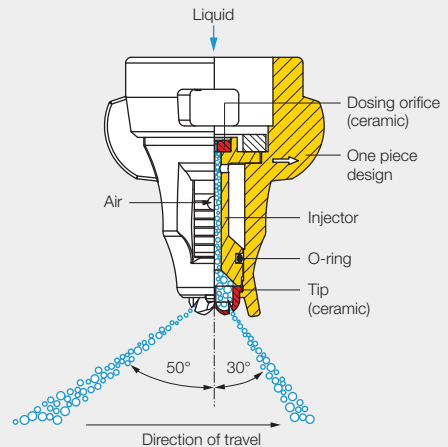
- 95 % drift reduction for: IDTA 120-05 C
- 90 % drift reduction for: IDTA 120-025 C to -04 C
- Ideal for higher sprayer speeds due to 30°/50° spray configuration
- Uniform deposition through 60/40 flow rate distribution
- Identical spray width on the target area due to 90°/120° spray angle
- Optimum wetting through finer droplet spectrum to the front in direction of travel
- Drift-reducing coarser droplet spectrum to the rear
- Optimum user protection thanks to removal/installation of the injector with protective gloves without tools
- Nozzle in cap with MULTIJET bayonet system (incl. gasket)
- Suitable for PWM



Series IDTA



Injector can be removed without tools



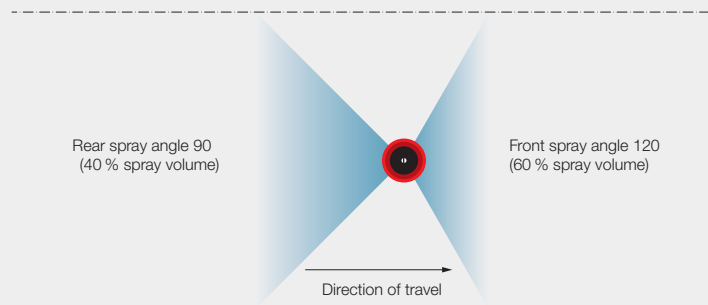
JKI approval as loss-reducing: 95/90/75 %

G 2015, G 2016, G 2017, G 2018, G 2019, G 2020, G 2021, G 2022, G 2043

JKI approval for mixed equipment and border nozzle IS.



Current list at: www.lechler.com/de-en/service/loss-reducing



Application:



Plant protection products



Edge application
Can be combined with border nozzle IS 80



Golf course

Technical data:



Nozzle sizes
02-08



Spray angle
120° front/
90° rear



Material
Ceramic



Pressure ranges
1-4-8 bar



Recommended strainers

- 80 M 02
- 60 M 025-08



Droplet sizes
Ultra coarse - coarse



| | ISO 25358 | [l/min] | [l/ha] | | | | | | | | | |
|---------------------|-----------|---------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----|
| | | | 5.0 km/h | 6.0 km/h | 7.0 km/h | 8.0 km/h | 10.0 km/h | 12.0 km/h | 14.0 km/h | 16.0 km/h | 18.0 km/h | |
| IDTA 120-02 (80 M) | UC | 1.0 | 0.46 | 110 | 92 | 79 | 69 | 55 | 46 | 39 | 35 | 31 |
| | UC | 1.5 | 0.56 | 134 | 112 | 96 | 84 | 67 | 56 | 48 | 42 | 37 |
| | UC | 2.0 | 0.65 | 156 | 130 | 111 | 98 | 78 | 65 | 56 | 49 | 43 |
| | VC | 3.0 | 0.80 | 192 | 160 | 137 | 120 | 96 | 80 | 69 | 60 | 53 |
| | VC | 4.0 | 0.92 | 221 | 184 | 158 | 138 | 110 | 92 | 79 | 69 | 61 |
| | VC | 5.0 | 1.03 | 247 | 206 | 177 | 155 | 124 | 103 | 88 | 77 | 69 |
| | VC | 6.0 | 1.13 | 271 | 226 | 194 | 170 | 136 | 113 | 97 | 85 | 75 |
| | VC | 7.0 | 1.22 | 293 | 244 | 209 | 183 | 146 | 122 | 105 | 92 | 81 |
| IDTA 120-025 (60 M) | UC | 1.0 | 0.57 | 137 | 114 | 98 | 86 | 68 | 57 | 49 | 43 | 38 |
| | UC | 1.5 | 0.70 | 168 | 140 | 120 | 105 | 84 | 70 | 60 | 53 | 47 |
| | UC | 2.0 | 0.81 | 194 | 162 | 139 | 122 | 97 | 81 | 69 | 61 | 54 |
| | EC | 3.0 | 0.99 | 238 | 198 | 170 | 149 | 119 | 99 | 85 | 74 | 66 |
| | VC | 4.0 | 1.15 | 276 | 230 | 197 | 173 | 138 | 115 | 99 | 86 | 77 |
| | VC | 5.0 | 1.28 | 307 | 256 | 219 | 192 | 154 | 128 | 110 | 96 | 85 |
| | VC | 6.0 | 1.40 | 336 | 280 | 240 | 210 | 168 | 140 | 120 | 105 | 93 |
| | VC | 7.0 | 1.52 | 365 | 304 | 261 | 228 | 182 | 152 | 130 | 114 | 101 |
| IDTA 120-03 (60 M) | UC | 1.0 | 0.69 | 166 | 138 | 118 | 104 | 83 | 69 | 59 | 52 | 46 |
| | UC | 1.5 | 0.84 | 202 | 168 | 144 | 126 | 101 | 84 | 72 | 63 | 56 |
| | EC | 2.0 | 0.97 | 233 | 194 | 166 | 146 | 116 | 97 | 83 | 73 | 65 |
| | VC | 3.0 | 1.19 | 286 | 238 | 204 | 179 | 143 | 119 | 102 | 89 | 79 |
| | VC | 4.0 | 1.37 | 329 | 274 | 235 | 206 | 164 | 137 | 117 | 103 | 91 |
| | VC | 5.0 | 1.53 | 367 | 306 | 262 | 230 | 184 | 153 | 131 | 115 | 102 |
| | VC | 6.0 | 1.68 | 403 | 336 | 288 | 252 | 202 | 168 | 144 | 126 | 112 |
| | VC | 7.0 | 1.81 | 434 | 362 | 310 | 272 | 217 | 181 | 155 | 136 | 121 |
| IDTA 120-04 (60 M) | UC | 1.0 | 0.91 | 218 | 182 | 156 | 137 | 109 | 91 | 78 | 68 | 61 |
| | UC | 1.5 | 1.12 | 269 | 224 | 192 | 168 | 134 | 112 | 96 | 84 | 75 |
| | EC | 2.0 | 1.29 | 310 | 258 | 221 | 194 | 155 | 129 | 111 | 97 | 86 |
| | VC | 3.0 | 1.58 | 379 | 316 | 271 | 237 | 190 | 158 | 135 | 119 | 105 |
| | VC | 4.0 | 1.82 | 437 | 364 | 312 | 273 | 218 | 182 | 156 | 137 | 121 |
| | VC | 5.0 | 2.04 | 490 | 408 | 350 | 306 | 245 | 204 | 175 | 153 | 136 |
| | VC | 6.0 | 2.23 | 535 | 446 | 382 | 335 | 268 | 223 | 191 | 167 | 149 |
| | VC | 7.0 | 2.41 | 578 | 482 | 413 | 362 | 289 | 241 | 207 | 181 | 161 |
| IDTA 120-05 (60 M) | UC | 1.0 | 1.14 | 274 | 228 | 195 | 171 | 137 | 114 | 98 | 86 | 76 |
| | UC | 1.5 | 1.39 | 334 | 278 | 238 | 209 | 167 | 139 | 119 | 104 | 93 |
| | EC | 2.0 | 1.61 | 386 | 322 | 276 | 242 | 193 | 161 | 138 | 121 | 107 |
| | VC | 3.0 | 1.97 | 473 | 394 | 338 | 296 | 236 | 197 | 169 | 148 | 131 |
| | VC | 4.0 | 2.28 | 547 | 456 | 391 | 342 | 274 | 228 | 195 | 171 | 152 |
| | VC | 5.0 | 2.55 | 612 | 510 | 437 | 383 | 306 | 255 | 219 | 191 | 170 |
| | VC | 6.0 | 2.79 | 670 | 558 | 478 | 419 | 335 | 279 | 239 | 209 | 186 |
| | C | 7.0 | 3.01 | 722 | 602 | 516 | 452 | 361 | 301 | 258 | 226 | 201 |
| IDTA 120-06 (60 M) | UC | 1.0 | 1.36 | 326 | 272 | 233 | 204 | 163 | 136 | 117 | 102 | 91 |
| | UC | 1.5 | 1.67 | 401 | 334 | 286 | 251 | 200 | 167 | 143 | 125 | 111 |
| | EC | 2.0 | 1.93 | 463 | 386 | 331 | 290 | 232 | 193 | 165 | 145 | 129 |
| | VC | 3.0 | 2.36 | 566 | 472 | 405 | 354 | 283 | 236 | 202 | 177 | 157 |
| | VC | 4.0 | 2.73 | 655 | 546 | 468 | 410 | 328 | 273 | 234 | 205 | 182 |
| | VC | 5.0 | 3.05 | 732 | 610 | 523 | 458 | 366 | 305 | 261 | 229 | 203 |
| | VC | 6.0 | 3.34 | 802 | 668 | 573 | 501 | 401 | 334 | 286 | 251 | 223 |
| | C | 7.0 | 3.61 | 866 | 722 | 619 | 542 | 433 | 361 | 309 | 271 | 241 |
| IDTA 120-08 (60 M) | UC | 1.0 | 1.82 | 437 | 364 | 312 | 273 | 218 | 182 | 156 | 137 | 121 |
| | UC | 1.5 | 2.23 | 535 | 446 | 382 | 335 | 268 | 223 | 191 | 167 | 149 |
| | EC | 2.0 | 2.58 | 619 | 516 | 442 | 387 | 310 | 258 | 221 | 194 | 172 |
| | VC | 3.0 | 3.16 | 758 | 632 | 542 | 474 | 379 | 316 | 271 | 237 | 211 |
| | VC | 4.0 | 3.65 | 876 | 730 | 626 | 548 | 438 | 365 | 313 | 274 | 243 |
| | VC | 5.0 | 4.08 | 979 | 816 | 699 | 612 | 490 | 408 | 350 | 306 | 272 |
| | VC | 6.0 | 4.47 | 1,073 | 894 | 766 | 671 | 536 | 447 | 383 | 335 | 298 |
| | C | 7.0 | 4.83 | 1,159 | 966 | 828 | 725 | 580 | 483 | 414 | 362 | 322 |
| C | 8.0 | 5.16 | 1,238 | 1,032 | 885 | 774 | 619 | 516 | 442 | 387 | 344 | |

ISO 25358 classification according to droplet sizes:

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

Subject to modifications.

- Operating pressure at the nozzle (measured with diaphragm valve)
- The stated liter-per-hectare rates apply to water
- Verify the table values by gauging the flow rates prior to every spraying season
- Pay attention to uniform nozzle adjustment

Recommendation

You can find adapters for other bayonet systems on Page 125.



The apps for Lechler agricultural nozzles make selection and use of the optimum nozzle even easier.

Find out more here:
www.lechler.com/de-en/service/apps



Ordering example: Series IDTA + Spray angle + 120° + Nozzle size + 025 + Material + C (Ceramic) = Order No. IDTA 120-025 C

