

ENGINEERING
YOUR SPRAY SOLUTION



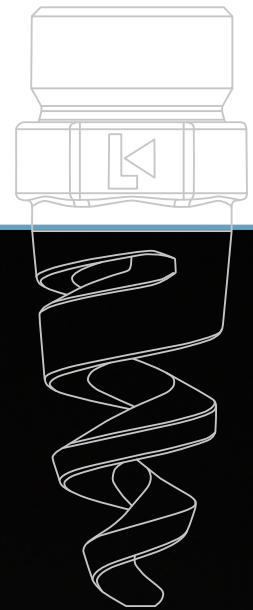
NEU



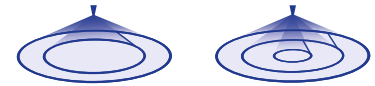
VOLLKEGELDÜSEN HelixFlow

Baureihe 4Fx

ALLGEMEINE INDUSTRIE



➤ Vollkegeldüsen Baureihe 4Fx

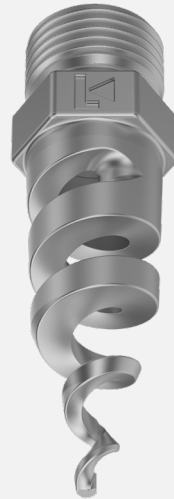


Eigenschaften:

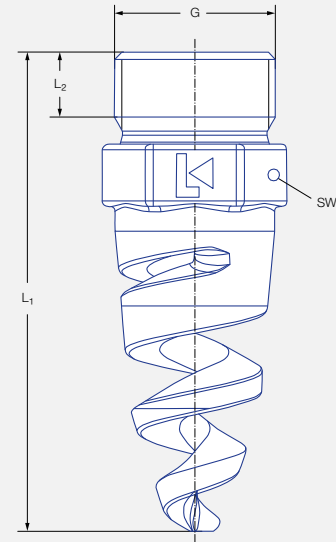
- Feine Tropfengrößen
- Niedriges Gewicht
- Robustes Design
- Wartungsfrei

Anwendungen:

- Allgemeine Industrie
- Rauchgasentschwefelung (Sonderwerkstoff)
- Kühlung allgemein
- Gasbefeuchtung allgemein



Baureihe 4Fx



Außengewinde

Technische Daten:



Maximale Betriebstemperatur
300 °C (abhängig vom Werkstoff sind auch höhere Temperaturen möglich)



Werkstoff
Edelstahl 1.4404 (316L), weitere Werkstoffe auf Anfrage







Empfohlener Betriebsdruck
2 bar (Auslegedruck), max. 10 bar



Anschluss
Außengewinde nach ISO 228, Außengewinde nach EN10226 oder NPT auf Anfrage möglich

| Strahl- winkel | Bestell-Nr. | | | Engster Quer- schnitt Ø [mm] | V̇ Wasser [l/min] | | | | | | G | L ₁ [mm] | L ₂ [mm] | SW | Ge- wicht [g] | Sprühbreite [m] | |
|-------------------|-------------|------------------|---------|--|-------------------|-----|-----|-------------|------|------|-------|------------------------|------------------------|----|---------------------|--------------------|-------------|
| | Type | Anschluss | | | p [bar] | | | | | | | | | | | H = 500 | H = 1000 |
| | | 1Y | ISO 228 | | 0,3 | 0,5 | 1,0 | 2,0 | 5,0 | 10,0 | | | | | | | |
| | | 1.4404 (316L) | ISO 228 | | | | | | | | | | | | | | |
| 60° | 4F5.254 | ● | AK | 6,0 | 51 | 66 | 93 | 132 | 209 | 295 | 3/4 | 95 | 11,8 | 27 | 106 | 0,6 | 0,8 |
| | 4F5.334 | ● | AM | 7,0 | 82 | 106 | 150 | 212 | 335 | 474 | 1 | 123 | 12,6 | 34 | 214 | 0,6 | 1,0 |
| | 4F5.354 | ● | AM | 7,0 | 91 | 118 | 167 | 236 | 373 | 528 | 1 | 123 | 12,6 | 34 | 214 | 0,6 | 1,0 |
| | 4F5.394 | ● | AM | 7,0 | 116 | 150 | 212 | 300 | 474 | 671 | 1 | 123 | 12,6 | 34 | 187 | 0,6 | 1,0 |
| | 4F5.454 | ● | AR | 9,0 | 165 | 213 | 301 | 425 | 672 | 950 | 1 1/2 | 153 | 16,6 | 50 | 573 | 0,8 | 1,2 |
| | 4F5.504 | ● | AR | 10,0 | 217 | 280 | 396 | 560 | 885 | 1252 | 1 1/2 | 153 | 16,6 | 50 | 529 | 0,6 | 1,0 |
| | 4F5.524 | ● | AR | 11,0 | 244 | 315 | 445 | 630 | 996 | 1409 | 1 1/2 | 153 | 16,6 | 50 | 528 | 0,8 | 1,2 |
| | 4F5.584 | ● | AV | 20,0 | 349 | 450 | 636 | 900 | 1423 | 2012 | 2 | 203 | 18,6 | 60 | 959 | 0,8 | 1,2 |
| | 4F5.614 | ● | AV | 24,0 | 434 | 560 | 792 | 1120 | 1771 | 2504 | 2 | 203 | 18,6 | 60 | 892 | 0,8 | 1,2 |

| Strahlwinkel | Bestell-Nr. | | | Engster Querschnitt Ø [mm] | V̇ Wasser [l/min] | | | | | | G | L ₁ [mm] | L ₂ [mm] | SW | Gewicht [g] | Sprühbreite [m] | |
|---|-------------|---------------|-----------|----------------------------|-------------------|-----|------|------|------|------|-------|---------------------|---------------------|-----|-------------|-----------------|----------|
| | Type | 1Y | Anschluss | | p [bar] | | | | | | | | | | | H = 500 | H = 1000 |
| | | 1.4404 (316L) | ISO 228 | | 0,3 | 0,5 | 1,0 | 2,0 | 5,0 | 10,0 | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 90°  | 4F5.166 | ● | AG | 4,5 | 31 | 40 | 57 | 80 | 126 | 179 | 1/2 | 65 | 9,8 | 22 | 78 | 0,9 | 1,4 |
| | 4F5.216 | ● | AG | 4,5 | 41 | 53 | 75 | 106 | 168 | 237 | 1/2 | 65 | 9,8 | 22 | 75 | 0,8 | 1,6 |
| | 4F5.256 | ● | AK | 7,0 | 51 | 66 | 93 | 132 | 209 | 295 | 3/4 | 80 | 11,8 | 27 | 106 | 0,9 | 1,8 |
| | 4F5.336 | ● | AM | 7,0 | 82 | 106 | 150 | 212 | 335 | 474 | 1 | 110 | 12,6 | 34 | 237 | 1,0 | 2,0 |
| | 4F5.396 | ● | AM | 8,0 | 116 | 150 | 212 | 300 | 474 | 671 | 1 | 110 | 12,6 | 34 | 220 | 1,0 | 2,0 |
| | 4F5.456 | ● | AR | 11,0 | 165 | 213 | 301 | 425 | 672 | 950 | 1 1/2 | 125 | 16,6 | 50 | 478 | 0,9 | 1,8 |
| | 4F5.506 | ● | AR | 12,0 | 217 | 280 | 396 | 560 | 885 | 1252 | 1 1/2 | 125 | 16,6 | 50 | 442 | 1,0 | 1,6 |
| | 4F5.526 | ● | AR | 12,0 | 244 | 315 | 445 | 630 | 996 | 1409 | 1 1/2 | 125 | 16,6 | 50 | 423 | 0,8 | 1,4 |
| | 4F5.586 | ● | AV | 15,0 | 349 | 450 | 636 | 900 | 1423 | 2012 | 2 | 176 | 18,6 | 60 | 978 | 1,2 | 2,2 |
| 4F5.616 | ● | AV | 15,0 | 434 | 560 | 792 | 1120 | 1771 | 2504 | 2 | 176 | 18,6 | 60 | 900 | 1,2 | 2,0 | |
| 120°  | 4F5.218 | ● | AG | 5,0 | 41 | 53 | 75 | 106 | 168 | 237 | 1/2 | 65 | 9,8 | 22 | 50 | 1,4 | 2,4 |
| | 4F5.258 | ● | AK | 6,0 | 51 | 66 | 93 | 132 | 209 | 295 | 3/4 | 80 | 11,8 | 27 | 109 | 1,6 | 2,6 |
| | 4F5.338 | ● | AM | 7,0 | 82 | 106 | 150 | 212 | 335 | 474 | 1 | 110 | 12,6 | 34 | 248 | 1,6 | 3,2 |
| | 4F5.398 | ● | AM | 9,0 | 116 | 150 | 212 | 300 | 474 | 671 | 1 | 110 | 12,6 | 34 | 227 | 1,8 | 2,6 |
| | 4F5.458 | ● | AR | 12,0 | 165 | 213 | 301 | 425 | 672 | 950 | 1 1/2 | 130 | 16,6 | 50 | 561 | 1,4 | 2,4 |
| | 4F5.508 | ● | AR | 12,0 | 217 | 280 | 396 | 560 | 885 | 1252 | 1 1/2 | 130 | 16,6 | 50 | 530 | 2,0 | 3,0 |
| | 4F5.528 | ● | AR | 12,0 | 244 | 315 | 445 | 630 | 996 | 1409 | 1 1/2 | 130 | 16,6 | 50 | 510 | 1,6 | 2,6 |
| | 4F7.588 | ● | AV | 12,0 | 349 | 450 | 636 | 900 | 1423 | 2012 | 2 | 191 | 18,6 | 60 | 1058 | 1,6 | 2,8 |
| 4F7.618 | ● | AV | 13,0 | 434 | 560 | 792 | 1120 | 1771 | 2504 | 2 | 191 | 18,6 | 60 | 986 | 1,8 | 2,8 | |
| 150°  | 4F7.339 | ● | AM | 8,0 | 82 | 106 | 150 | 212 | 335 | 474 | 1 | 115 | 12,6 | 34 | 258 | 2,2 | 4,2 |
| | 4F7.399 | ● | AM | 8,0 | 116 | 150 | 212 | 300 | 474 | 671 | 1 | 115 | 12,6 | 34 | 237 | 2,2 | 4,2 |
| 170°  | 4F7.250 | ● | AK | 6,0 | 51 | 66 | 93 | 132 | 209 | 295 | 3/4 | 95 | 11,8 | 27 | 120 | 3,0 | 5,4 |
| | 4F7.330 | ● | AM | 8,0 | 82 | 106 | 150 | 212 | 335 | 474 | 1 | 119 | 12,6 | 34 | 272 | 4,0 | 6,0 |
| | 4F7.390 | ● | AM | 8,0 | 116 | 150 | 212 | 300 | 474 | 671 | 1 | 119 | 12,6 | 34 | 253 | 4,0 | 6,0 |
| | 4F7.450 | ● | AR | 10,0 | 165 | 213 | 301 | 425 | 672 | 950 | 1 1/2 | 154 | 16,6 | 50 | 642 | 2,8 | 4,4 |
| | 4F7.500 | ● | AR | 10,0 | 217 | 280 | 396 | 560 | 885 | 1252 | 1 1/2 | 154 | 16,6 | 50 | 604 | 3,4 | 4,8 |
| | 4F7.520 | ● | AR | 10,0 | 244 | 315 | 445 | 630 | 996 | 1409 | 1 1/2 | 154 | 16,6 | 50 | 585 | 3,4 | 4,4 |

Bestell- Type + Material-Nr. + Anschluss = Bestell-Nr.
beispiel: 4F5.334 + 1Y + AM = 4F5.334.1Y.AM

Umrechnungsformel für diese Baureihe: $\dot{V}_2 = \dot{V}_1 \cdot \sqrt{\frac{p_2}{p_1}}$

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YOUR SPRAY SOLUTION**



Lechler GmbH · Präzisionsdüsen · Düsensysteme
Ulmer Straße 128 · 72555 Metzingen · Telefon +49 7123 962-0 · info@lechler.de · www.lechler.com

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Technische Änderungen und Irrtum vorbehalten.