

Flat Spray Nozzle DAC/DACX

Specification

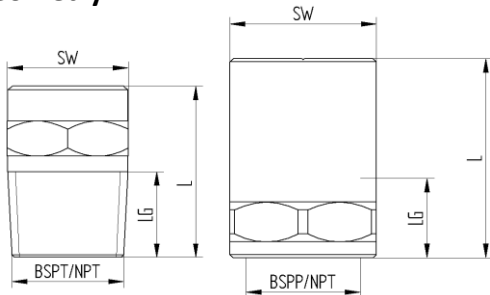
- Flat spray nozzle with BSPT(DAC) or NPT(DACX) male thread
- Uniform, flat spray pattern without hard edges
- One piece nozzle with no inner parts to prevent clogging
- Available spray angles: 0°, 15°, 25°, 30°, 45°, 50°, 60°, 80°, 90°, 110°, 120°
- Materials: Brass, stainless steel 1.4305 (303) , stainless steel 1.4404 (316)
- Female thread upon request available (DACF for BSP and DACFX for NPT thread)
- Other Materials upon request



Technical Data

| Size | Thread | | | | | | Equiv. Orifice Dia. [mm] | Flow Rate [l/min] at Pressure [bar] | | | | | | | |
|------|--------|-----|-----|-----|-----|---|--------------------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1 | | 0,7 | 1 | 2 | 3 | 4 | 5 | 7 | 10 |
| 2 | X | X | | | | | 0,90 | 0,38 | 0,46 | 0,65 | 0,80 | 0,89 | 0,99 | 1,24 | 1,43 |
| 3 | X | X | | | | | 1,10 | 0,57 | 0,68 | 0,97 | 1,18 | 1,36 | 1,53 | 1,81 | 2,23 |
| 4 | X | X | | | | | 1,25 | 0,75 | 0,90 | 1,27 | 1,56 | 1,83 | 2,03 | 2,38 | 2,86 |
| 4,5 | X | X | | | | | 1,30 | 0,85 | 1,01 | 1,43 | 1,75 | 2,05 | 2,29 | 2,70 | 3,21 |
| 5 | X | X | | | | | 1,40 | 0,96 | 1,15 | 1,62 | 1,99 | 2,28 | 2,55 | 3,02 | 3,62 |
| 5,5 | X | X | | | | | 1,45 | 1,05 | 1,26 | 1,78 | 2,18 | 2,50 | 2,81 | 3,29 | 4,11 |
| 6 | X | X | | | | | 1,50 | 1,15 | 1,37 | 1,94 | 2,37 | 2,72 | 3,07 | 3,61 | 4,46 |
| 6,5 | X | X | | | | | 1,60 | 1,24 | 1,48 | 2,09 | 2,56 | 3,00 | 3,33 | 3,80 | 4,91 |
| 7 | X | X | | | | | 1,65 | 1,33 | 1,59 | 2,25 | 2,75 | 3,21 | 3,54 | 4,21 | 5,36 |
| 8 | X | X | | | | | 1,75 | 1,53 | 1,83 | 2,59 | 3,17 | 3,66 | 3,98 | 5,03 | 5,80 |
| 8,5 | X | X | | | | | 1,80 | 1,62 | 1,94 | 2,74 | 3,36 | 3,88 | 4,32 | 5,03 | 5,80 |
| 9 | X | X | | | | | 1,90 | 1,72 | 2,05 | 2,90 | 3,55 | 4,11 | 4,75 | 5,50 | 6,25 |
| 10 | X | X | | | | | 2,00 | 1,90 | 2,27 | 3,21 | 3,93 | 4,46 | 5,19 | 5,95 | 7,14 |
| 12,5 | X | X | | | | | 2,20 | 2,40 | 2,90 | 4,02 | 4,97 | 5,69 | 6,38 | 7,55 | 9,04 |
| 15 | X | X | | | | | 2,40 | 2,84 | 3,44 | 4,21 | 6,16 | 6,70 | 7,78 | 9,15 | 10,71 |
| 20 | X | X | | | | | 2,80 | 3,80 | 4,46 | 6,25 | 8,05 | 9,37 | 9,94 | 12,35 | 14,73 |
| 25 | | X | | | | | 3,10 | 4,80 | 5,80 | 8,03 | 9,94 | 11,38 | 12,75 | 15,09 | 18,08 |
| 30 | | X | X | | | | 3,60 | 5,95 | 6,70 | 9,82 | 11,84 | 13,84 | 15,13 | 17,84 | 21,43 |
| 40 | | X | X | | | | 4,00 | 7,78 | 9,37 | 12,05 | 15,62 | 18,30 | 20,57 | 24,25 | 28,57 |
| 50 | | X | X | | | | 4,40 | 9,61 | 11,61 | 16,07 | 19,89 | 22,77 | 25,50 | 30,19 | 36,16 |
| 60 | | X | X | | | | 4,80 | 11,44 | 13,84 | 19,20 | 23,67 | 27,23 | 30,69 | 36,14 | 43,30 |
| 70 | | X | X | | | | 5,20 | 13,27 | 16,07 | 22,77 | 27,46 | 32,14 | 35,88 | 42,54 | 50,45 |
| 80 | | | X | X | | | 5,60 | 15,10 | 18,75 | 25,45 | 31,72 | 36,61 | 41,06 | 48,03 | 57,14 |
| 100 | | | X | X | X | | 6,40 | 19,21 | 22,77 | 31,70 | 39,30 | 45,53 | 51,00 | 60,38 | 72,32 |
| 125 | | | X | X | X | | 7,00 | 24,01 | 28,46 | 39,62 | 49,12 | 56,91 | 63,75 | 75,48 | 90,40 |
| 150 | | | X | X | X | | 7,50 | 28,82 | 34,37 | 48,21 | 59,19 | 68,31 | 76,50 | 90,10 | 108,00 |
| 200 | | | | X | X | | 8,80 | 37,96 | 45,53 | 64,28 | 79,07 | 91,10 | 102,00 | 120,30 | 143,80 |
| 250 | | | | | X | | 9,80 | 45,57 | 58,84 | 80,36 | 98,50 | 113,40 | 127,50 | 150,00 | 179,90 |
| 300 | | | | | X | X | 10,80 | 57,18 | 68,30 | 96,87 | 118,40 | 136,60 | 152,60 | 180,70 | 215,60 |
| 400 | | | | | X | X | 12,50 | 76,39 | 90,60 | 128,60 | 157,70 | 182,10 | 204,00 | 241,10 | 287,90 |
| 500 | | | | | | X | 14,00 | 95,40 | 114,00 | 161,30 | 197,50 | 228,00 | 254,90 | 301,60 | 360,50 |
| 600 | | | | | | X | 15,00 | 114,40 | 136,80 | 193,50 | 237,00 | 273,70 | 306,00 | 362,10 | 432,80 |

Geometry



| Thread Size | Male Thread | | | Female Thread | | |
|-------------|-------------|------|------|---------------|------|------|
| | SW | L | LG | SW | L | LG |
| | [mm] | | | [mm] | | |
| 1/8" | 10 | 19,5 | 7,0 | 13 | 20,0 | 7,0 |
| 1/4" | 14 | 22,0 | 10,0 | 17 | 25,0 | 10,0 |
| 3/8" | 17 | 25,0 | 10,0 | 19 | 26,0 | 10,0 |
| 1/2" | 22 | 31,0 | 13,0 | 24 | 30,0 | 13,0 |
| 3/4" | 27 | 35,0 | 15,0 | 36 | 38,0 | 16,0 |
| 1" | 38 | 50,0 | 17,0 | 44 | 50,0 | 20,0 |

Order Example

Flat Spray Thread DAC Size-Spray Angle-Material

Male Thread: Flat Spray 1/8 DAC 6-90° - 1.4404

Female Thread: Flat Spray 1/8 DACF 10-50° - Messing