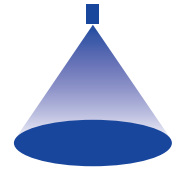


➤ Tangential-flow full cone nozzles, plastic version with bayonet quick-release system Series 422

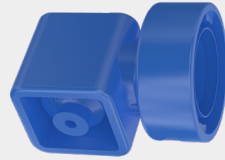


Features:

- Without swirl inserts
- Non-clogging
- Stable spray angle
- Simple and quick assembly
- Uniform liquid distribution
- High chemical resistance

Applications:

- Surface spraying
- Cooling
- Cleaning and washing processes
- Foam control



Series 422

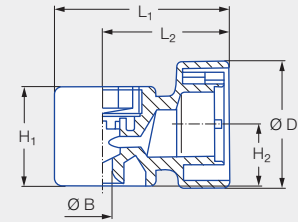
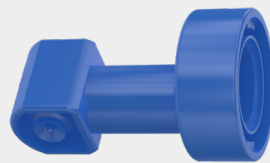


Figure 1

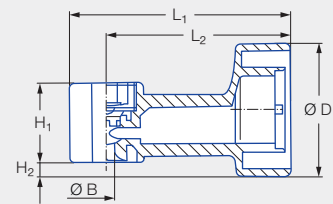


Figure 2

| Type | Code | Figure | Dimensions [mm] | | | | | Weight [g] (PVDF) |
|-------------------------|------|--------|-----------------|----------------|----------------|----------------|------|-------------------|
| | | | H ₁ | H ₂ | L ₁ | L ₂ | Ø D | |
| 422.644/422.606/422.608 | KB | 1 | 23.0 | 14.0 | 40.0 | 29.0 | 29.5 | 20.0 |
| 422.406/422.408/422.528 | KB | 2 | 17.5 | 3.5 | 48.0 | 40.0 | 29.5 | 14.0 |

| Spray angle | Ordering no. | | | Bore diameter B [mm] | Narrowest free cross sections Ø [mm] | V̇ water [l/min] | | | | | | Spray diameter D [mm] (at p = 2 bar) | | |
|-------------|--------------|----------|----|----------------------|--------------------------------------|------------------|---------|------|------|------|------|--------------------------------------|------------------------------|-------|
| | Type | Mat. no. | | | | Code | p [bar] | | | | | | | |
| | | 5E | 53 | | | | 0.5 | 1.0 | 2.0 | 3.0 | 5.0 | 10.0 | | |
| | | PVDF | PP | | | | | | | | | | Bayonet quick-release system | |
| 60° | 422.644 | | ● | KB | 2.90 | 2.90 | 2.00 | 2.83 | 4.00 | 4.90 | 6.32 | 8.94 | 250 | 490 |
| 90° | 422.406 | ● | | KB | 1.50 | 1.45 | 0.50 | 0.71 | 1.00 | 1.22 | 1.58 | 2.24 | 530 | 900 |
| | 422.606 | ● | | KB | 2.60 | 2.50 | 1.58 | 2.23 | 3.15 | 3.86 | 4.98 | 7.04 | 540 | 920 |
| 120° | 422.408 | ● | | KB | 1.50 | 1.45 | 0.50 | 0.71 | 1.00 | 1.22 | 1.58 | 2.24 | 670 | 1,140 |
| | 422.528 | ● | | KB | 2.10 | 2.00 | 1.00 | 1.41 | 2.00 | 2.45 | 3.16 | 4.47 | 690 | 1,220 |
| | 422.608 | ● | | KB | 2.60 | 2.50 | 1.58 | 2.23 | 3.15 | 3.86 | 4.98 | 7.04 | 710 | 1,260 |

Conversion formula for this series: $\dot{V}_2 = \dot{V}_1 \cdot \sqrt{\frac{p_2}{p_1}}$

Ordering Type + Material no. + Code = Ordering no.
example: 422.644 + 53 + KB = 422.644.53.KB

Assembly accessories can be found in Chapter 9 "Accessories".