

SPP Spiral Nozzle

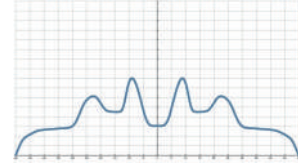


- Recommended working pressure: 2.0 kgf/cm²
- Flowrate tolerance: ± 5% @ 2.0 ± 0.1 kgf/cm²
- Angle tolerance: ± 5° @ 2.0 ± 0.1 kgf/cm²

【 Top view of nozzle spray pattern 】



【 Flow distribution 】



Features

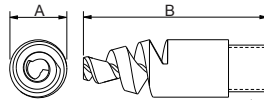
- Spray patterns: Full Cone. Spray shape is multi-layered concentric circles.
- Unibody design with no internal parts. To compare with general full cone nozzles, It has a larger minimum free passage for effectively avoiding clogging.
- The spray angle is from 120° to 170°. This large spray angle design provides larger coverage than general fan and full cone

nozzles.

- It is possible to work when under 0.5kgf/cm².

Applications

- Cleaning: scrubber, off-gas treatment, etc.
- Cooling: cooling tower, etc.
- Dispersion: firefighting.



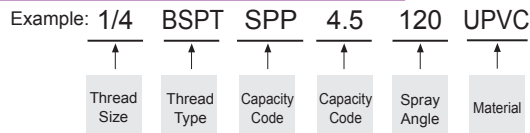
Appearance dimensions may vary depending on model, material. Please ask for details.

| Material | Serie | Unit (mm) | | Thread Type | Weight (g) | |
|----------|--------|-----------|----|-------------|------------|------|
| | | A | B | | PVC | PEEK |
| Plastic | 1/4SPP | 52 | 16 | 1/4M | 6.5 | 6.5 |
| | 3/8SPP | 61 | 20 | 3/8M | 16 | 16 |
| | 1/2SPP | 77 | 22 | 1/2M | 13 | 13 |
| | 3/4SPP | 90 | 28 | 3/4M | 30 | 30 |

Material

- Nozzle: U-PVC, PEEK

How to place an order for LORRIC nozzles?



※ Standard Pressure: Column in red.

| Spray Angle | Capacity Code | Thread Size | | | | Capacity at Pressure | | | | | | | Min. Free Passage (mm) | Eq. Orifice (mm) | Average particle size (um) | Filter mesh |
|-------------|---------------|-------------|-----|-----|-----|-------------------------|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------|----------------------------|-------------|
| | | 1/4 | 3/8 | 1/2 | 3/4 | 0.5 kgf/cm ² | 0.7 kgf/cm ² | 1 kgf/cm ² | 2 kgf/cm ² | 3 kgf/cm ² | 4 kgf/cm ² | 5 kgf/cm ² | | | | |
| 120° | 4.5 | v | | | | 2.25 | 2.66 | 3.18 | 4.50 | 5.51 | 6.36 | 7.12 | 1.55 | 2.38 | 228 | - |
| | 12.8 | v | | | | 6.40 | 7.57 | 9.05 | 12.8 | 15.68 | 18.10 | 20.24 | 2.53 | 3.97 | - | - |
| 170° | 52.7 | | v | | | 26.4 | 31.2 | 37.3 | 52.7 | 64.5 | 74.5 | 83.3 | 3.00 | 7.94 | 380 | - |
| | 105 | | | v | | 52.5 | 62.1 | 74.2 | 105 | 129 | 148 | 166 | 4.75 | 11.1 | 388 | - |
| | 134 | | | | v | 67.0 | 79.3 | 94.8 | 134 | 164 | 190 | 212 | 4.75 | 12.7 | 416 | - |

※ For MPa / bar / psi units, please refer to <https://www.lorric.com/>.