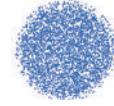


QSF

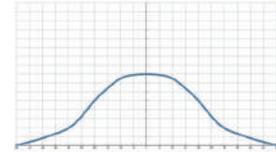
Plastic clog-resistant easy install full cone nozzle



【 Top view of nozzle spray pattern 】



【 Flow distribution 】



- Recommended working pressure: 2.0 kgf/cm²
- Flowrate tolerance: ± 10% @ 2.0 ± 0.1 kgf/cm²
- Angle tolerance: ± 10° @ 2.0 ± 0.1 kgf/cm²

Features

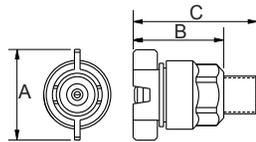
- Full cone spray.
- Unibody design allows for secure and easy installation, and X-shaped core provides minimal clogging. It is often used in etching and developing processes for semiconductors and printed circuit boards that require extremely high spray uniformity.
- Two piece nozzle design which includes nozzle and the base allows quick and accurate installation by hand. It is convenient for on-site management. Nozzle tip is secured into the base and fastened by three buckle points to avoid the nozzle tip loosening

and ensure the performance quality.

- The internal gaskets are available in various options such as EPDM, Viton and FEPM, which can be adapted to various types of chemicals. With special structural design, the nozzles can be closely attached to the base to avoid water leakage.
- These general-purpose nozzles without guaranteed flow and angle tolerance are not recommended for environments with high accuracy requirements.

Applications

- Cleaning: Gas, exhaust gas, dust, cleaning device, tank cleaning, etc.
- Cooling: Gas, tank, machinery, metal, roof, etc.
- Dispersion: Humidifying, chemicals, dust suppression.



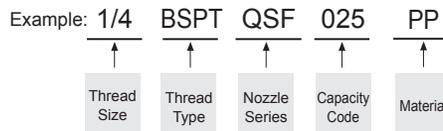
Appearance dimensions may vary depending on model, material. Please ask for details.

Material	Serie	Unit (mm)			Thread Type	Weight (g)
		A	B	C		
Plastic	1/4QSF	31	31	44	1/4M	10.4
	3/8QSF	31	31	44	3/8M	14.6

Material

- TIP: PP
- Core: PP
- Oring: EPDM, VITON, FEPM
- Base: PP

How to place an order for LORRIC nozzles?



※ Standard Pressure: Column in red.
 ※ This product for spray angle 90° and 120° is able to be made to order.

Spray Angle	Capacity Code	Capacity at Pressure									Average particle size (um)	Min. Free Passage (mm)	Filter mesh
		0.7 kgf/cm ²	1 kgf/cm ²	1.5 kgf/cm ²	2 kgf/cm ²	4 kgf/cm ²	6 kgf/cm ²	8 kgf/cm ²	10 kgf/cm ²	15 kgf/cm ²			
50°	025	1.48	1.77	2.17	2.50	3.54	4.33	5.00	5.59	6.85	}	1.4	-
	030	1.77	2.12	2.60	3.00	4.24	5.20	6.00	6.71	8.22		1.5	-
	035	2.07	2.47	3.03	3.50	4.95	6.06	7.00	7.83	9.59		1.6	-
	040	2.37	2.83	3.46	4.00	5.66	6.93	8.00	8.94	10.95		1.7	-
	045	2.66	3.18	3.90	4.50	6.36	7.79	9.00	10.06	12.32	400	1.7	-
90°	050	2.96	3.54	4.33	5.00	7.07	8.66	10.00	11.18	13.69	}	1.7	-
	055	3.25	3.89	4.76	5.50	7.78	9.53	11.00	12.30	15.06		1.7	-

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