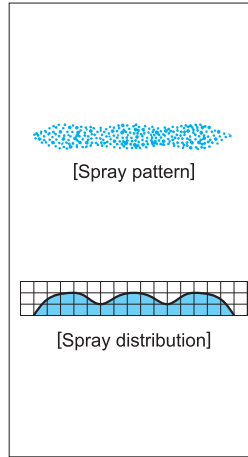


Wide-angle Flat Spray Nozzles for Ultra-low Pressure Spraying

Patented

LYYP



[Features]

- Wide-angle flat spray with uniform distribution.
- Capable of low operating pressures (0.015 MPa).
- Low volume spray has such a low impact force that no bubbles nor foam will appear on the spray surface. All LYYP products are treated oil-free.

[Standard Pressure]

0.015 MPa

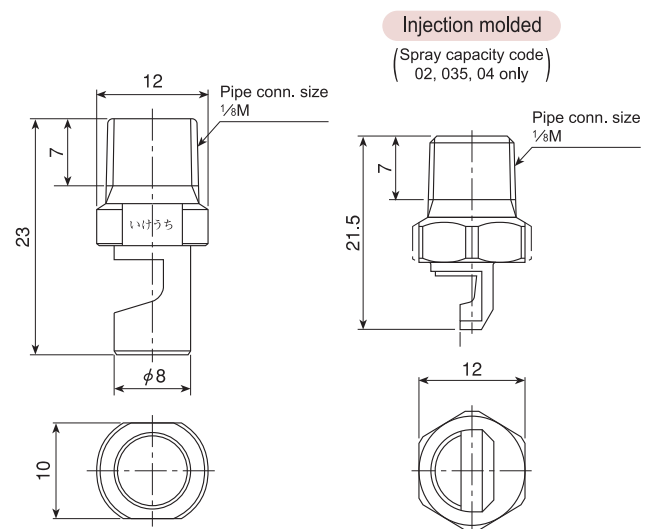
[Applications]

Spraying: Developing solution for semi-conductor manufacturing processes, ultra-low volume spray for pharmaceutical manufacturing processes, chemical spraying to surface treated steel plates

Flat Spray

LYYP series

LYYP series	
Structure	● Made of plastic, one-piece structure.
Material	● PVC (polyvinyl chloride) ● Optional material: S316 or PCTFE
Mass	● 1.5 g



[Note] Appearance and dimensions may differ slightly depending on materials and nozzle codes.

Spray Capacity Code	LYYP	LYYP (Injection molded)	Spray Angle (°)			Spray Capacity (ℓ/min)							Mean Drop. Dia. (μm)	Free Pass. Dia. (mm)
			0.01 MPa	0.015 MPa	0.02 MPa	0.008 MPa	0.01 MPa	0.012 MPa	0.015 MPa	0.02 MPa	0.03 MPa	0.04 MPa		
02	○	○	—	70	77	—	—	0.18	0.20	0.23	0.28	0.33	850	0.9
025	○		67	80	87	—	0.20	0.22	0.29	0.35	0.41	1.0		
03	○		77	90	97	0.22	0.24	0.27	0.35	0.42	0.49	1.0		
035		○	87	100	107	0.26	0.29	0.31	0.40	0.49	0.57	1.1		
04		○	88	100	108	0.29	0.33	0.36	0.40	0.46	0.57	0.65		1.3
05	○		97	110	117	0.37	0.41	0.45	0.50	0.58	0.71	0.82		1.3
06	○		107	120	127	0.44	0.49	0.54	0.60	0.69	0.85	0.98		1.4
07	○		107	120	127	0.51	0.57	0.63	0.70	0.81	0.99	1.14		1.6
08	○		108	120	128	0.58	0.65	0.72	0.80	0.92	1.13	1.31		1.7
10	○		108	120	128	0.73	0.82	0.89	1.00	1.15	1.41	1.63		1,350

[Note] LYYP series nozzles are guaranteed for spray angle within -5° to +10° of the rated angle and for spray capacity within +/-10% of the rated capacity under the standard pressure.

How to order

Please inquire or order for a specific nozzle using this coding system.

① LYYP series

〈Example〉... 1/8 MLYYP025PVC

1/8 M LYYP 025 PVC

Spray Capacity Code
025
}
10

② LYYP (Injection molded) series

〈Example〉... 1/8 MLYYP02PVC-IN

1/8 M LYYP 02 PVC-IN

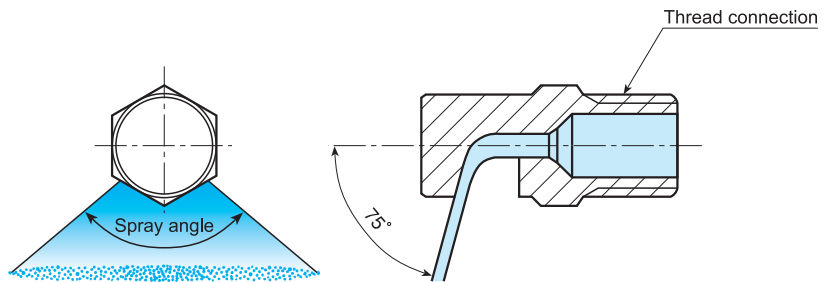
Spray Capacity Code
02
035*
04

*When Spray Capacity Code is 035, the nozzle description is 1/8MLYYP035PVC (Injection-molded).

Effective Use of Wide-angle Flat Spray Nozzles

Spray Angle and Inclination Angle

Wide-angle flat spray nozzles spray at an angle of 75° to the axis of the nozzle. For installation, the inclination angle of 75° must be taken into consideration.



Free Passage Diameter

The free passage diameter shows the approximate diameter of the spray orifice. Wide-angle flat spray nozzles have the largest free passage diameters among all the flat spray nozzles having the same spray capacity and are more suitable for spraying when water quality is a problem.

Spray Distribution of LYYP series Wide-angle Flat Spray Nozzle for Ultra-low Pressure Spraying

The variation in spray distribution is minimal despite changes in the spray height and spray pressure.

