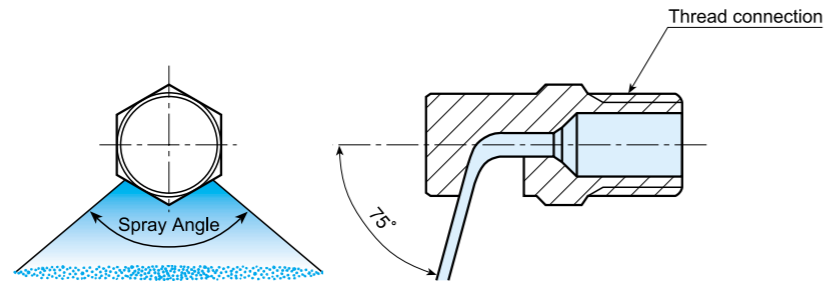


For Effective Use of Wide-angle Flat Spray Nozzles

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.

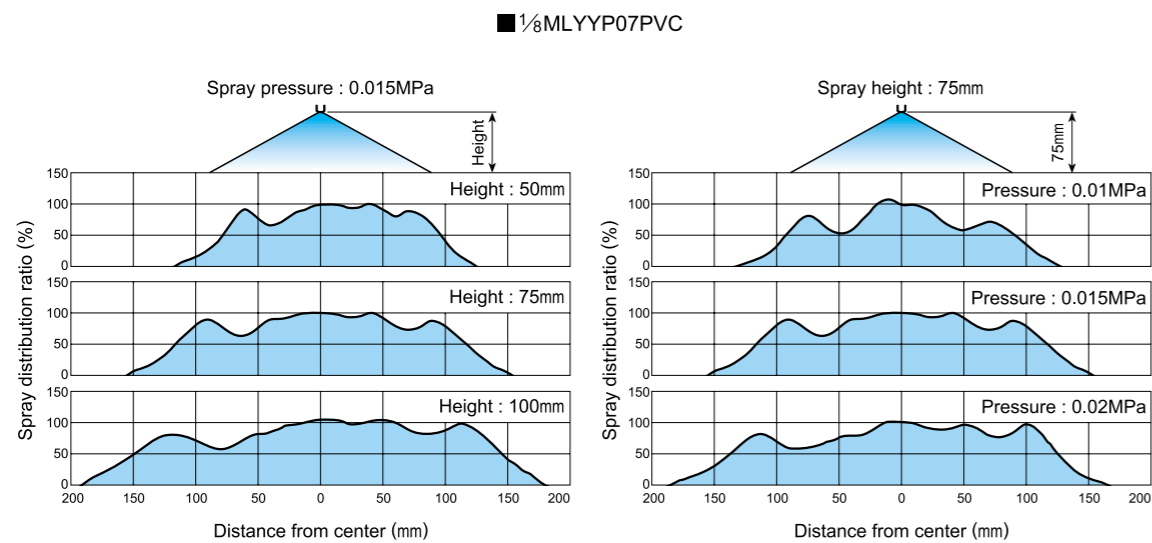


Free Passage Diameter

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 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.

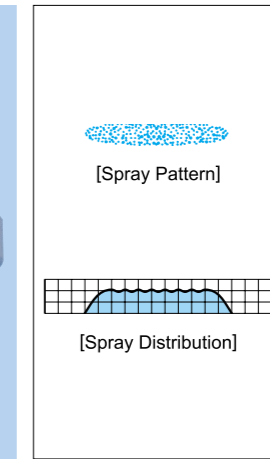
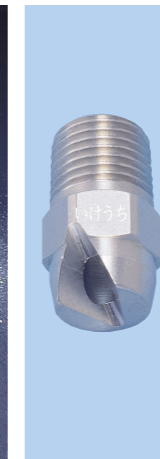


Relation between spray height and spray distribution

Relation between spray pressure and spray distribution

Off-center Even Flat Spray Nozzles

OVVEP



[Features]

- Off-center flat spray with uniform distribution throughout entire spray pattern solves the problem of accumulation of spray fluid in multiple-nozzle arrangements.
- No need for oblique installation, as the angle is built-in.

[Standard Pressure]

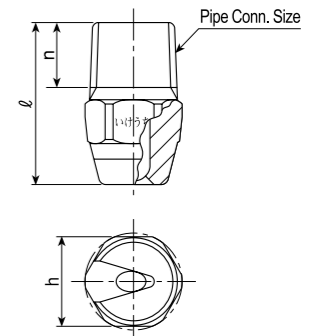
0.3MPa

[Applications]

- Cooling : Steel plates, steel pieces, etc.
- Spraying : Etchants, oils, lubricants, glues, acids, insecticides, herbicides, etc.
- Cleaning : Steel plates, steel pieces, filters, felts, screens, etc.

OVVEP-series

OVVEP-series	
Structure	• Made of metal, one-piece structure.
Material	• B (brass) or S303 (stainless steel 303) • Optional material : S316 or others



Series	Pipe Conn. Size	Dimensions(mm)			Mass(g)	
		ℓ	h	n	B	S303
OVVEP	1/4M	26	14	10.5	18	17

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

Spray Angle Code	Spray Capacity Code	Pipe Conn. Size	Spray Angle			Spray Capacity (ℓ/min)											Mean Drop. Dia. (μm)	Free Pass. Dia. (mm)
			0.05 MPa	0.3 MPa	0.7 MPa	0.05 MPa	0.07 MPa	0.1 MPa	0.15 MPa	0.2 MPa	0.3 MPa	0.5 MPa	0.7 MPa	1 MPa	1.5 MPa	2 MPa		
60°	200	1/4M	56°	60°	62°	8.2	9.7	11.5	14.1	16.3	20.0	25.8	30.6	36.5	44.7	51.6	540	2.4
	250		57°	60°	61°	10.2	12.1	14.4	17.7	20.4	25.0	32.3	38.2	45.6	55.9	64.5	5	2.7
	300		57°	60°	61°	12.2	14.5	17.3	21.2	24.5	30.0	38.7	45.8	54.8	67.1	77.5	670	3.0
45°	200	1/4M	41°	45°	48°	8.2	9.7	11.5	14.1	16.3	20.0	25.8	30.6	36.5	44.7	51.6	600	3.2
	250		42°	45°	47°	10.2	12.1	14.4	17.7	20.4	25.0	32.3	38.2	45.6	55.9	64.5	5	3.6
	300		42°	45°	47°	12.2	14.5	17.3	21.2	24.5	30.0	38.7	45.8	54.8	67.1	77.5	750	4.0

How to order

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

<Example>...1/4MOVVEP60200B

1/4 M	OVVEP	60	200	B
		Spray Angle Code	Spray Capacity Code	Material
		60°	200	B
		45°	250	S303
			300	