

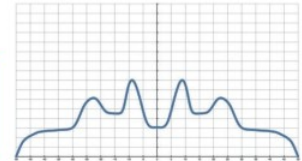
Spiral Nozzle



Top view of nozzle spray pattern



Flow distribution



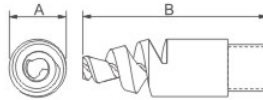
- Recommended working pressure: 2.0 kgf/cm²
- Flowrate tolerance: $\pm 5\%$ @ 2.0 ± 0.1 kgf/cm²
- Angle tolerance: $\pm 5^\circ$ @ 2.0 ± 0.1 kgf/cm²

// 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		UPVC	PEEK
Plastic	1/4SPP	16	52	1/4M	6.5	6.5
	3/8SPP	20	61	3/8M	16	16
	1/2SPP	22	77	1/2M	13	13
	3/4SPP	28	90	3/4M	30	30

// Material

- Nozzle: U-PVC, PEEK, PTFE+GF

How to place an order for Mid-crown nozzles?

Example: $\frac{1}{4}$ BSPT SPP 4.5 120 UPVC

Thread Size Thread Type Capacity Code Capacity Code Spray Angle Material

※ 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	1	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°	12.8	V					6.40	7.57	9.05	12.8	15.68	18.10	20.24	2.53	3.97	228
	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	79.3	94.8	134	164	190	212	4.75	12.7	416
	214					V	107	127	151.3	214	262	303	338	5.5	16	550