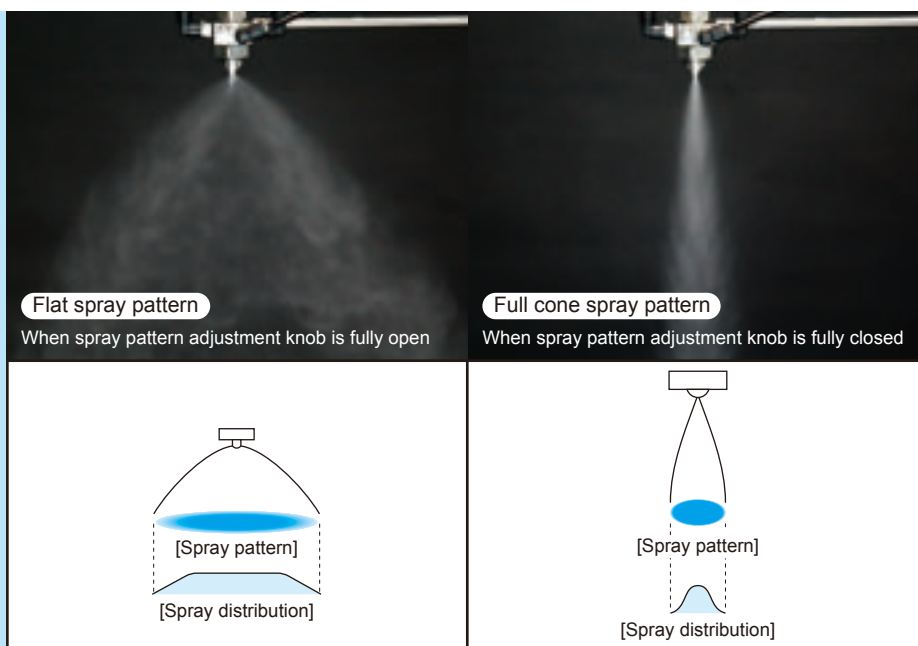


Spray Pattern Adjustable Nozzles for Coating Applications

SETOV-C



■ Pneumatic spray nozzle with adjustable spray width and spray pattern.

When the spray pattern adjustment knob is fully open, it provides a flat spray pattern with the widest spray width. When the spray pattern adjustment knob is fully closed, it provides a full cone spray pattern with the narrowest spray width.

■ Spray capacity can be fine-tuned without changing the present pressures. Spray ON-OFF is controllable.

■ Capable of applying coating only where needed with minimal splatter and spraying high viscosity liquids up to 1,000 cP, such as egg yolk.

■ External mixing type (designed to mix air and liquid outside the nozzle for atomization).



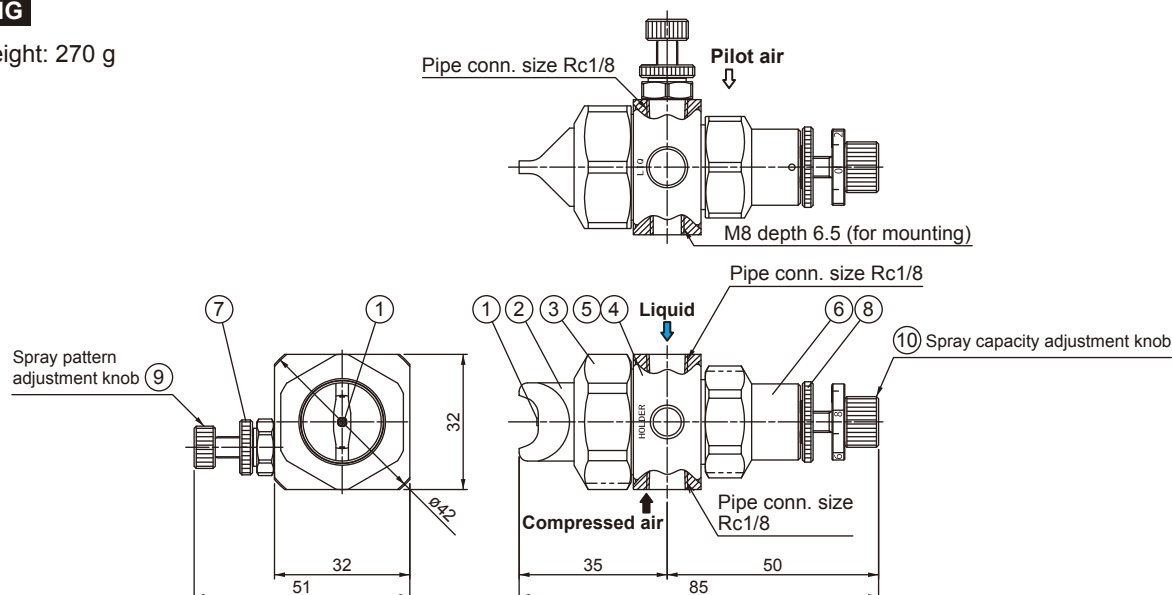
Download 3D CAD models (SETOV-C)

APPLICATIONS

■ Coating

DRAWING

■ Weight: 270 g



■ COMPONENTS AND MATERIALS

No.	Components	Standard materials	No.	Components	Standard materials
1	Nozzle tip	S303	6	Spring cap	S303
2	Nozzle body	S303	7	Spray pattern adjustment locknut	S303
3	Cap	S303	8	Spray capacity adjustment locknut	S303
4	Adaptor	S303	9	Spray pattern adjustment knob	S303
5	Packing	NBR, FKM	10	Spray capacity adjustment knob	S303

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

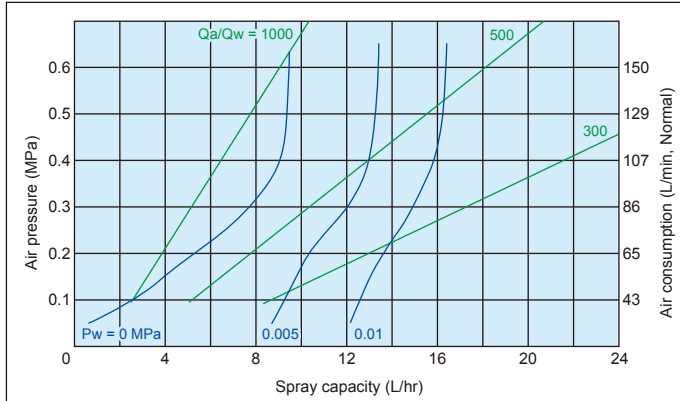
Unit: mm

FLOW-RATE DIAGRAMS

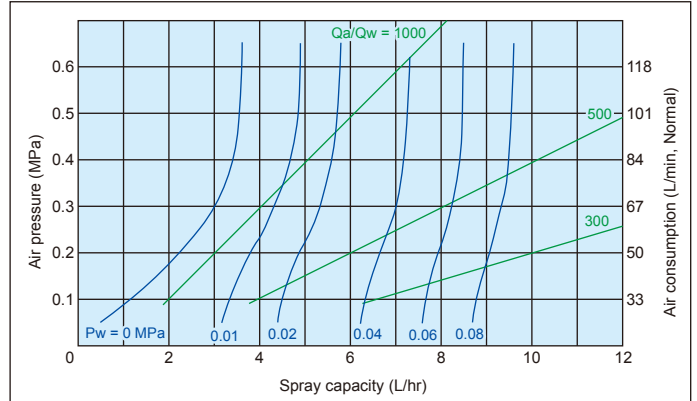
How to read the chart

1. The spray capacity shown is for one nozzle.
2. Blue lines (—) represent liquid pressures P_w in MPa.
- Green lines (—) represent air-water ratio Q_a/Q_w .
3. Measured at 100 mm liquid siphon height with P_w at 0 MPa.
4. Spray capacity and air consumption shown are when both the spray pattern and capacity adjustment knobs are fully open.

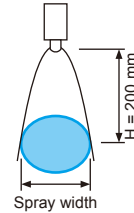
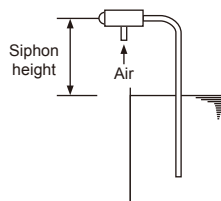
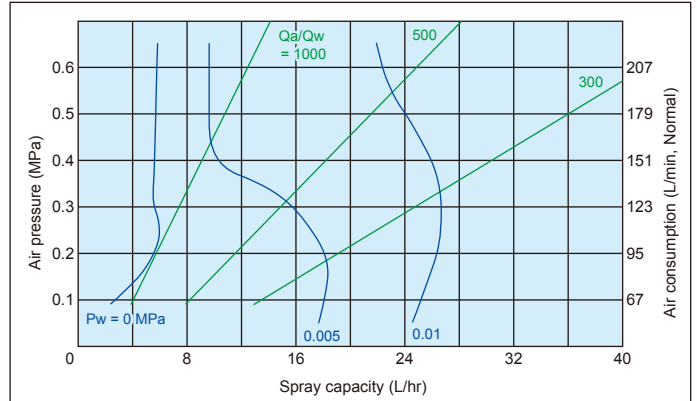
SETOV-C07510



SETOV-C07505



SETOV-C1115



PERFORMANCE DATA

Air consumption code	Spray capacity code	Air pressure (MPa)	Air consumption*1 (L/min, Normal)	Spray capacity*1 (L/hr)		Widest spray width*1 (mm) H = 200 mm		Free passage diameter (mm)	
				Liquid pressure (MPa)		Liquid pressure (MPa)		Liquid	Air
				0 (Siphon)*2	0.01	0 (Siphon)*2	0.01		
075	05	0.1	33	1.2	3.4	180	220	0.5	0.2
		0.2	50	2.2	3.8	250	260		
		0.3	67	3.0	4.3	250	260		
		0.4	84	3.4	4.7	250	260		
075	10	0.1	43	2.7	12.6	200	250	0.6	0.2
		0.2	65	5.3	13.6	250	270		
		0.3	86	7.7	14.9	250	270		
		0.4	107	9.0	15.9	250	270		
11	15	0.1	67	2.7	24.5	200	400	0.6	0.3
		0.2	95	5.5	26.4	250	400		
		0.3	123	5.5	26.6	250	300		
		0.4	151	5.6	25.9	250	280		

*1) Values with both spray pattern and capacity adjustment knobs fully open.

*2) Siphon height: 100 mm.

HOW TO ORDER

To inquire about or order a specific product please refer to this coding system.

<Example> SETOV-C 07510 S303 + SP S303

SETOV-C

075 10

Air consumption code & Spray capacity code

■07505

■07510

■1115

S303

Material of nozzle tip

+

SP

Type of adaptor

S303

Material of adaptor