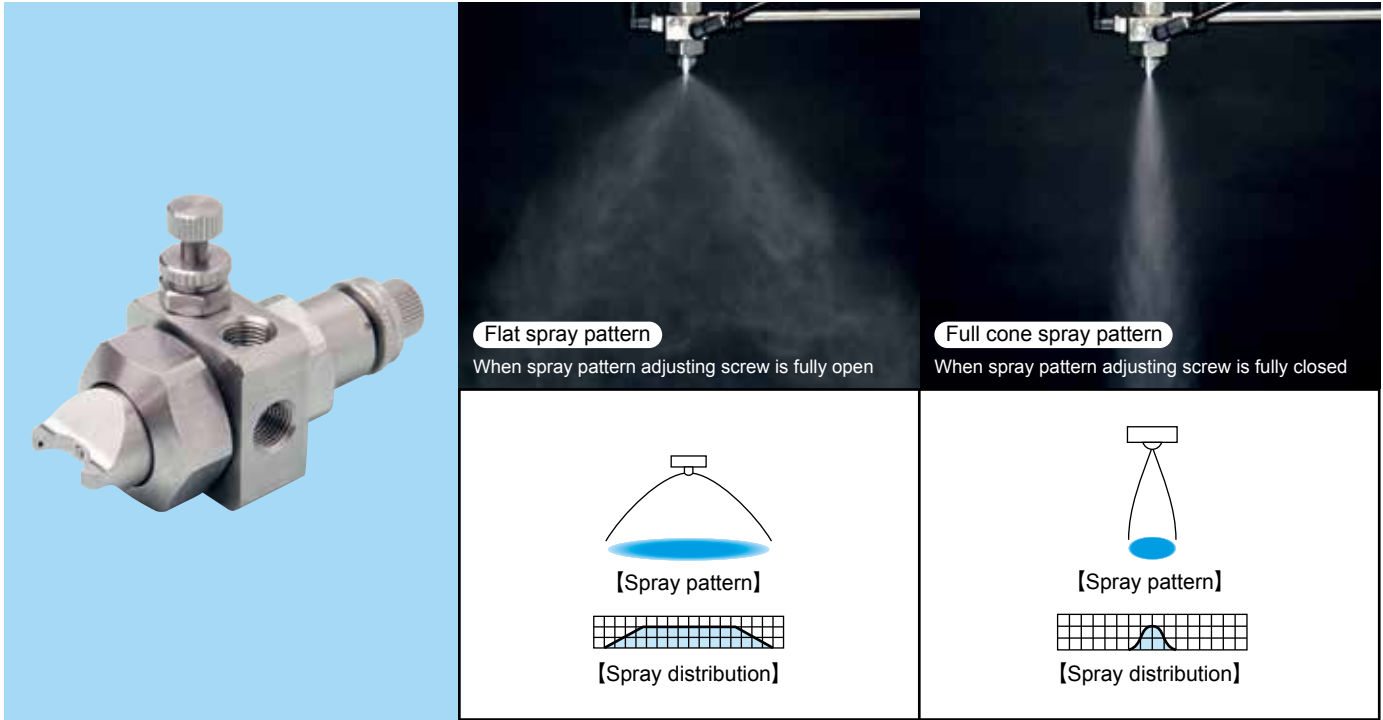


Spray Pattern Adjustable Nozzles for Coating Applications

SETOV-C

SETOV-C



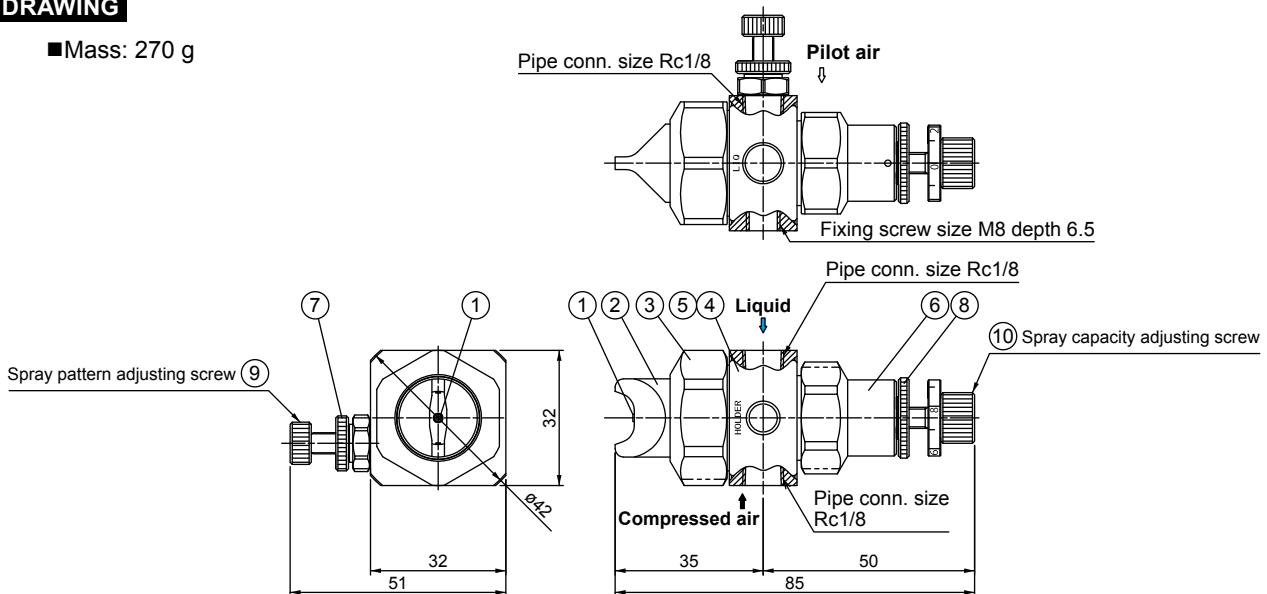
- Pneumatic spray nozzle with adjustable spray width and spray pattern. When the spray pattern adjusting screw is fully open, it provides a flat spray pattern with the widest spray width. When the spray pattern adjusting screw is fully closed, it provides a full cone spray pattern with the narrowest spray width.
- Spray capacity can be fine-tuned without changing the present pressures. Spray ON-OFF is controllable.
- Capable of applying the coating only where needed with minimal splatter.
- External mixing type (designed to mix air and liquid outside the nozzle for atomization).

APPLICATIONS

- Coating (possible to spray high-viscosity liquid of up to 1,000 centipoise, e.g. egg yolk.)

DRAWING

■ Mass: 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	Pattern adjusting screw locknut	S303
3	Cap	S303	8	Capacity adjusting screw locknut	S303
4	Adaptor	S303	9	Pattern adjusting screw	S303
5	Packing	NBR, FKM	10	Capacity adjusting screw	S303

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

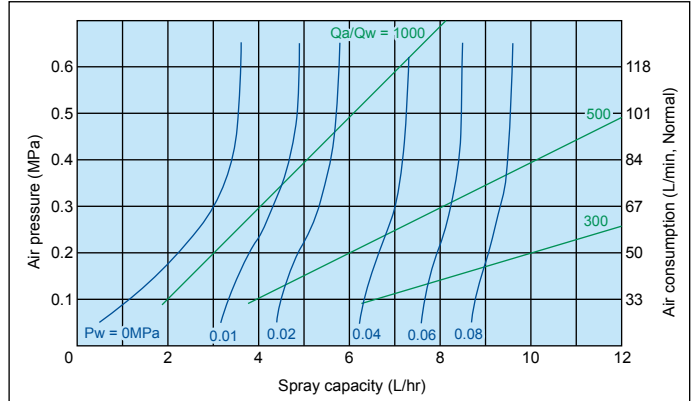
Unit: mm

FLOW-RATE DIAGRAMS

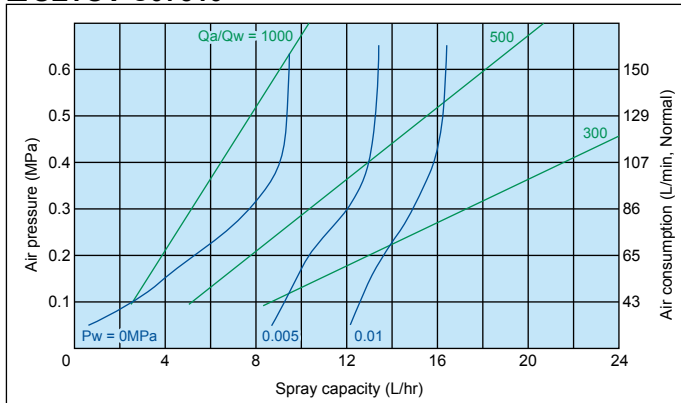
■ How to read the chart

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 liquid siphon height of 100 mm when P_w is 0 MPa.
4. Spray capacity and air consumption shown are values when the pattern adjusting screw and the capacity adjusting screw are fully open.

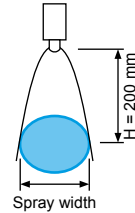
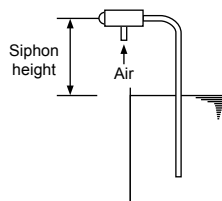
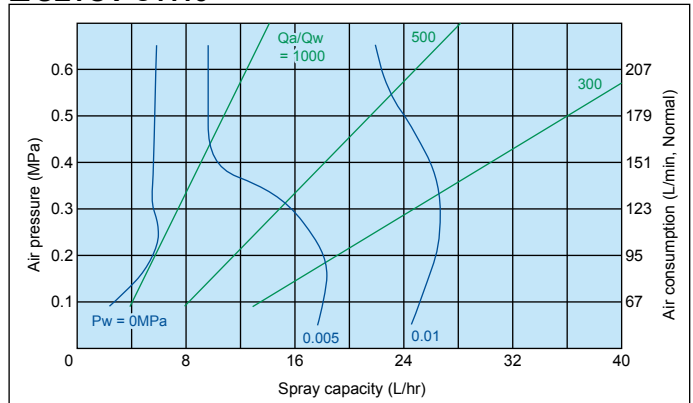
■ **SETOV-C07505**



■ **SETOV-C07510**



■ **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	Air
				0 (Siphon)*2	0.05			
075	05	0.1	33	1.2	3.4	360	0.5	0.2
		0.2	50	2.2	3.8			
		0.3	67	3.0	4.3			
		0.4	84	3.4	4.7			
075	10	0.1	43	2.7	12.6	360	0.6	0.2
		0.2	65	5.3	13.6			
		0.3	86	7.7	14.9			
		0.4	107	9.0	15.9			
11	15	0.1	67	2.7	24.5	360	0.6	0.3
		0.2	95	5.5	26.4			
		0.3	123	5.5	26.6			
		0.4	151	5.6	25.9			

*1) Values when pattern adjusting screw and capacity adjusting screw are fully open.

*2) Spray capacity and compressed air consumption at liquid pressure of 0 MPa are measured at siphon height of 100 mm.

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

<Example> SETOV-C 07510 S303 + SP S303

SETOV-C **075 10** S303 + SP S303
 Air consumption code & Spray capacity code Material of nozzle tip Type of adaptor Material of nozzle tip

- 07505
- 07510
- 1115