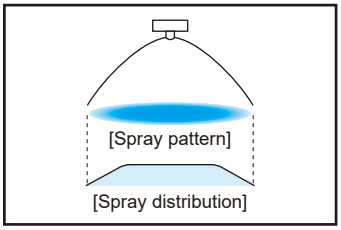
Clog-Resistant Fine Fog Nozzles
Flat Spray

SETOV



- ■Flat spray pneumatic nozzle producing fine atomization. External mixing type.
- ■Liquid siphon feed type (liquid pressure device is not required). Use with a liquid pressure device is also possible.
- ■Spray capacity increases or decreases in proportion to the air pressure.
- ■No dripping from the nozzles when the spray shuts off.
- ■Spray ON/OFF controllable adaptor (type SP or SN) is available.

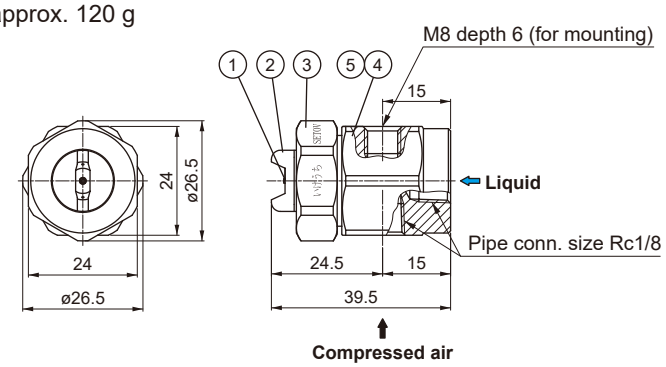
APPLICATIONS

- ■Humidification in small spaces
- ■Disinfection in tight spaces
- ■Coating

DRAWING

Adaptor type T

■Weight: approx. 120 g



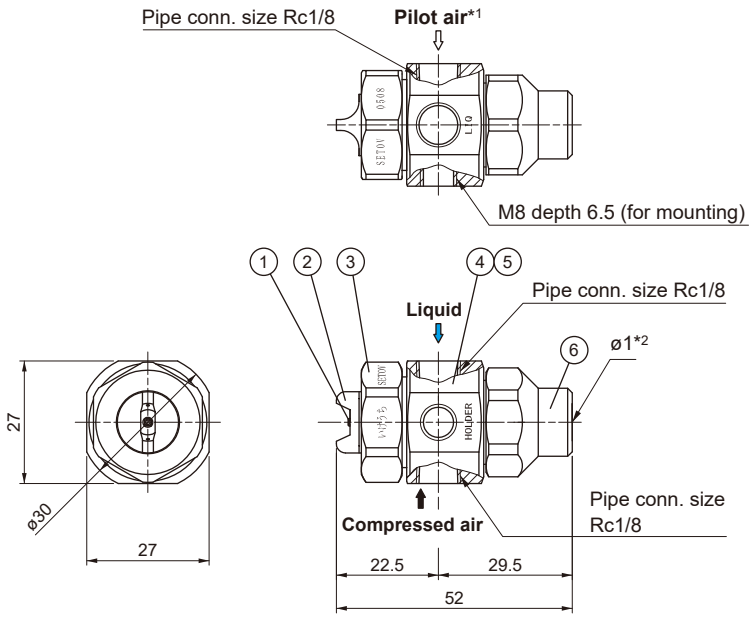
■COMPONENTS AND MATERIALS

No.	Components	Standard materials
1	Nozzle tip	S303
2	Nozzle body	S303
3	Cap	S303
4	Adaptor	S303
5	O-ring	FKM

Download 3D CAD models (SETOV)

Adaptor type SP/SN (Spray control adaptor)

■Weight: approx. 140 g



■COMPONENTS AND MATERIALS

No.	Components	Standard materials
1	Nozzle tip	S303
2	Nozzle body	S303
3	Cap	S303
4	Adaptor	S303
5	Packing	NBR, FKM, PTFE
6	Spring cap	S303

*1) No pilot air for SN-type adaptor.
*2) Hole ø1 is for air relief.

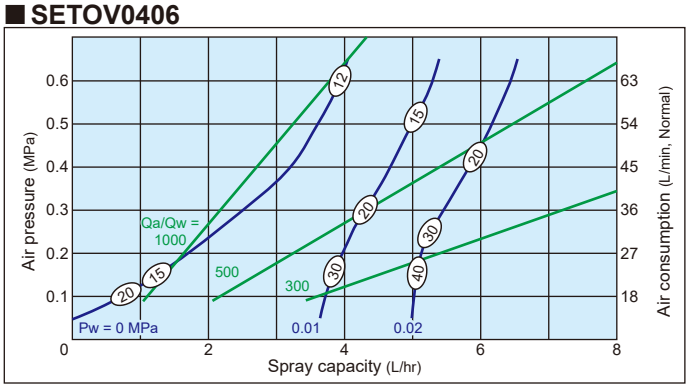
Unit: mm

FLOW-RATE DIAGRAMS

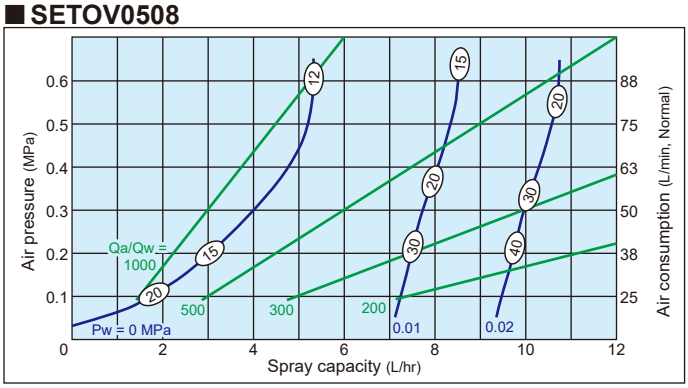
■How to read the chart

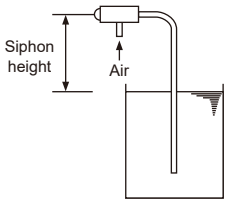
1. The spray capacity shown is for one nozzle.
2. Blue lines (—) represent liquid pressures Pw in MPa.
   Green lines (—) represent air-water ratio Qa/Qw.
3. Measured at 100 mm liquid siphon height with Pw at 0 MPa.
4. Numbers in ovals ⬭ indicate Sauter mean diameters (μm) measured by laser Doppler method (measured at 300 mm from the nozzle).
5. These flow-rate diagrams are only applicable when using T-type adaptor.

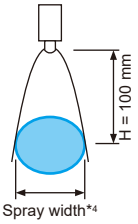
■ SETOV0406



■ SETOV0508







PERFORMANCE DATA

Spray angle *4	Air consumption code	Spray capacity code	Pipe conn. size		Air pressure (MPa)	Air consumption (L/min, Normal)	Spray capacity (L/hr) Liquid pressure (MPa)		Spray width*4 (mm)	Mean droplet diameter*4 (μm)	Free passage diameter (mm)	
			Air	Liquid			0 (Siphon)*3	0.02	H = 100 mm	Laser Doppler method	Liquid	Air
65	04	06	Rc1/8		0.2	27	1.7	5.1	130	15–40	0.6	0.1
					0.3	36	2.5	5.5	130			
					0.4	45	3.2	5.8	120			
					0.5	54	3.6	6.2	115			
55	05	08			0.2	38	3.1	9.7	110		0.8	0.2
					0.3	50	4.0	10.0	100			
					0.4	63	4.8	10.3	95			
					0.5	75	5.2	10.6	95			

*3) Siphon height: 100 mm.
*4) Spray angle, spray width, and mean droplet diameter measured at liquid pressure of 0 MPa (siphon height of 100 mm).

HOW TO ORDER

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

<Example> SETOV 0406 S303 + TS303

SETOV [04 06] S303 + [T] S303

- [04 06]: Air consumption code & Spray capacity code — ■0406, ■0508
- S303: Material of nozzle tip
- [T]: Type of adaptor — ■T, ■SP, ■SN
- S303: Material of adaptor

Adaptor type SP is used in the same way as SPB. Adaptor type SN is used in the same way as SNB.
See page 29 for details.