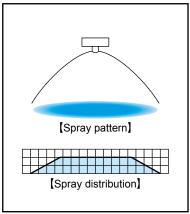
# **Clog-resistant Fine Fog Nozzles** Flat Spray







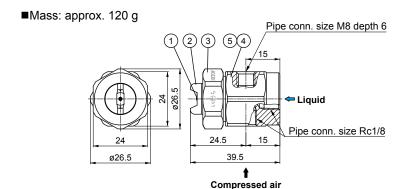
- ■Flat spray pneumatic nozzle producing fine atomization. External mixing type.
- ■Liquid siphon feed type (liquid pressure device is not required). Use with a liquid pressure device is also possible.
- ■Spray capacity increases or decreases in proportion to the air pressure.
- ■No dripping from the 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: flavoring

# DRAWING

# Adaptor type T

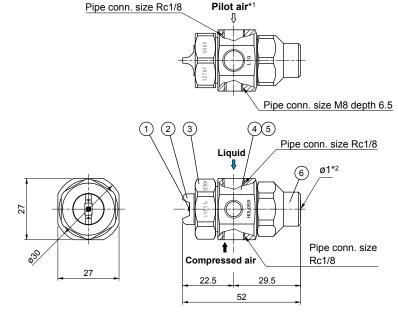


#### **■**COMPONENTS AND MATERIALS

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

#### Adaptor type SP/SN (Spray control adaptor)

■Mass: approx. 140 g



Pilot air\*1

#### ■COMPONENTS AND MATERIALS

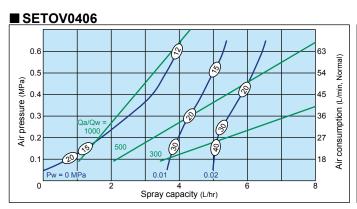
= 001/11 OTTENTO TITO TO THE TOTAL OF					
No.	Components	Standard materials			
1	Nozzle tip	S303			
2	Nozzle body	S303			
3	Сар	S303			
4	Adaptor	S303			
5	Packing	NBR, FKM, PTFE			
6	Spring cap	S303			

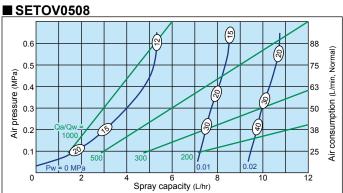
- \*1) No pilot air for SN-type adaptor.
- \*2) Hole ø1 is for air relief.

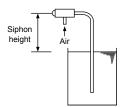
Unit: mm

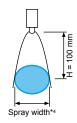
### **FLOW-RATE DIAGRAMS**

- ■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 liquid siphon height of 100 mm when Pw is 0 MPa.
- 4. Figures 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 applicable only when using a T-type adaptor.







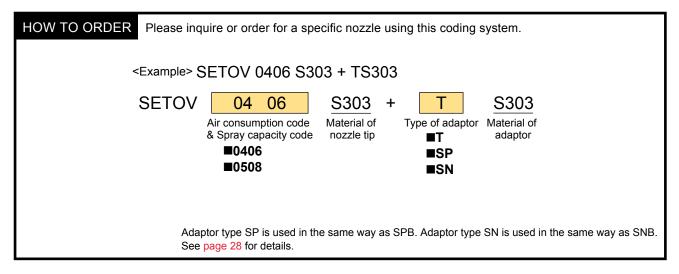


### PERFORMANCE DATA

Spray angle		Spray capacity	Pipe conn. size			Air consumption			Spray width*4	Mean droplet diameter*4 (µm)	Free pa	
*4	code	code	Air	Liquid	(MPa)	(L/min, Normal)	0 (Siphon)*3	0.02	` ′	Laser Doppler method	Liquid	Air
65 04	06			0.2	27	1.7	5.1	130	15–40			
				0.3	36	2.5	5.5	130		0.6 0.1	0.1	
				0.4	45	3.2	5.8	120				
			De1/0	0.5	54	3.6	6.2	115				
			Rc1/8		0.2	38	3.1	9.7		110		
55 05	08		0.3	50	4.0	10.0	100		0.8	0.2		
	05	08			0.4	63	4.8	10.3	95		0.6	0.2
			0.5	75	5.2	10.6	95					

<sup>\*3)</sup> Siphon height: 100 mm.

<sup>\*4)</sup> Spray angle, spray width, and mean droplet diameter measured at liquid pressure of 0 MPa (siphon height of 100 mm).



# **Portable Spray Unit with SETOV Nozzle Assembly**

# **SETOV** Related product



■Spray unit including a SETOV series nozzle and large-capacity 20 liter tank. Spray unit without a tank is also available.

■Immediate use with an air compressor. Recommended air pressure is 0.3 MPa (use pressure range: 0.2-0.5 MPa).

- ■Available in two spray capacity types (nozzle SETOV0406 or SETOV0508).
- ■Nozzle is clog-resistant for easy maintenance.

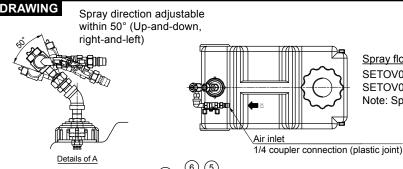
### **APPLICATIONS**

- ■Disinfection at a facility entrance
- ■Disinfecting interior surfaces

(Note: After spraying chemicals, spray water for about 5 minutes to mitigate corrosion and rust of the metal parts.)



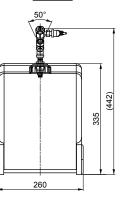
Spray direction is adjustable with a ball-joint adaptor

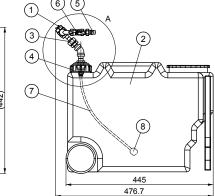


Spray flow rate by nozzle type

SETOV0406: Approx. 1.8–2.2 L/hr (at air pressure of 0.3 MPa) SETOV0508: Approx. 2.8-3.3 L/hr (at air pressure of 0.3 MPa)

Note: Spray flow rate varies depending on the liquid level in a tank.





#### **■**COMPONENTS AND MATERIALS

No.	Components	Standard materials
1	Nozzle body	S303
2	20L plastic tank	PE
3	UT Ball joint	S303, FKM
4	Сар	PE
5	Plastic joint	PA
6	Valve	S316
7	700 mm water hose	PVC
8	Strainer (air stone)	_

This unit does not include a compressor or disinfectant.

Unit: mm

HOW TO ORDER Please inquire or order for a specific product using these product codes.

Spray Unit SETOV0406 S303+TS303+UT (with 20L Tank)

Spray Unit SETOV0508 S303+TS303+UT (with 20L Tank)

# **Optional Product**

### **SETOV Smart Kit**

■An application example combining the spray unit with a 100 VAC timer controller and a mat switch for a short-time auto-spray.

Stepping on a mat switch automatically activates spraying for a preset time.

