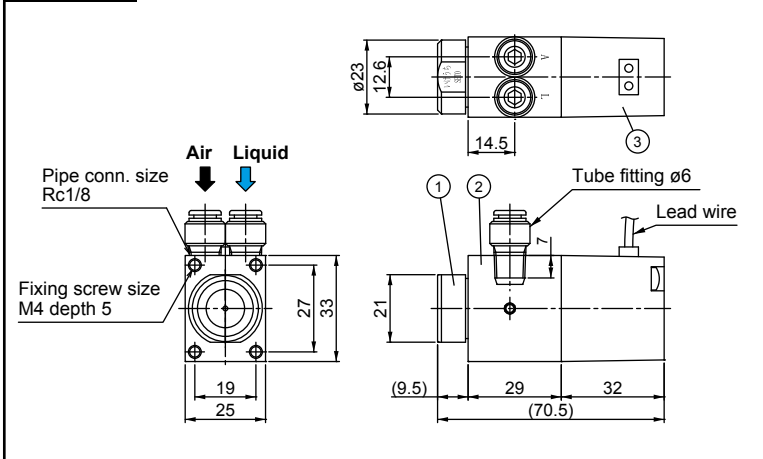


- Fast response performance by solenoid activation: Intermittent pulse spray at 0.02 sec/shot with a minimum of 0.006 cc/shot is possible.
- Ideal for coating in small amounts, i.e. protective agent coating, etc.
- IP65, IP67 (dust-proof and water-proof) structure.
- SETO07503R-I+SD is an internal mixing outer air type (the other SETO models are external mixing type).

### APPLICATIONS

- Spraying release agent for metal molds
- Coating
- Mold cooling
- Uniform coating without dripping

### DRAWING

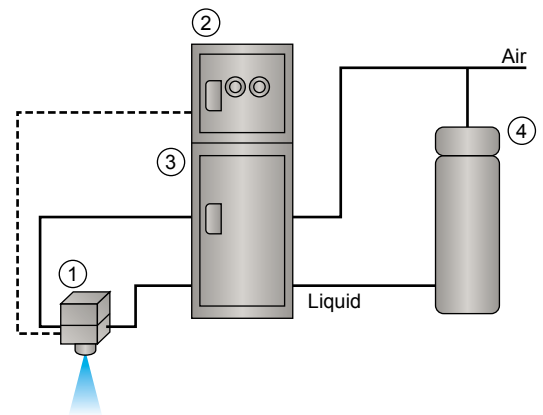


### COMPONENTS AND MATERIALS

No.	Components	Standard materials
1	Nozzle body	Main materials: Aluminum
2	Adaptor	
3	Solenoid	

Unit: mm

### HOW TO USE



No.	Description
1	Solenoid-activated pneumatic spray nozzle
2	Solenoid control panel
3	Pressurized flow control unit
4	Liquid pressurization tank (required only if oil-based release agent is used)

### PERFORMANCE DATA

Nozzle code	Air pressure (MPa)	Spray capacity (L/hr) & Air consumption (L/min, Normal)								Spray width*2 (mm)	Mean droplet diameter*3 (µm)	Free passage diameter (mm)	Mass (g)			
		Liquid pressure (MPa)														
		0 *1		0.05		0.13		0.2						0.3		
		Liquid	Air	Liquid	Air	Liquid	Air	Liquid	Air	Liquid	Air	Adaptor	Aluminum			
												Liquid		Air		
07503R-I	0.2	—	—	—	—	1.0	50	3.2	48	—	—	40-50	15-25	0.3	0.4	180
	0.3	—	—	—	—	—	—	0.9	66	4.0	64					
	0.4	—	—	—	—	—	—	—	—	1.9	80					
0405R	0.3	2.0	36	6.5	36	—	—	—	—	—	—	0.5	0.1			
07507R	0.3	5.0	71	13.9	71	—	—	—	—	—	—	0.7	0.2			
2210R	0.3	10.0	200	26.4	200	—	—	—	—	—	—	1.0	0.5			

\*1) Spray capacity and air consumption at liquid pressure of 0 MPa (liquid siphon feed) are measured at 100 mm siphon height.

\*2) Spray width measured at 100 mm from nozzle.

\*3) 07503R-I: Sauter mean diameters measured at compressed air pressure of 0.2 MPa and liquid pressure of 0.13 MPa.

0405R, 07507R, 2210R: Sauter mean diameters measured at compressed air pressure of 0.3 MPa and liquid pressure of 0 MPa (siphon height of 100 mm).

Valve function	Min. operating time (sec)	Max. operating pressure (MPa)	Electric current (A)	Electric voltage (DC-V)	Max. allowable temperature
Single solenoid, normally closed	ON: 0.02 OFF: 0.02	0.5 for both air/liquid	0.26	24	50°C (120°F)

