

SV91

Low volume low pressure air provides consistent, precise spray coating

The SV91 spray valve is designed to provide consistent coating of low to medium viscosity fluids with low volume low pressure air. With the combination of adjustable fluid flow, adjustable nozzle air and post-air cutoff, SV91 ensures excellent spray control.

Features

- Consistent area of coverage by low volume low pressure
- Nozzle air and fluid flow rate are adjustable
- No overspray, no mist

Product specification

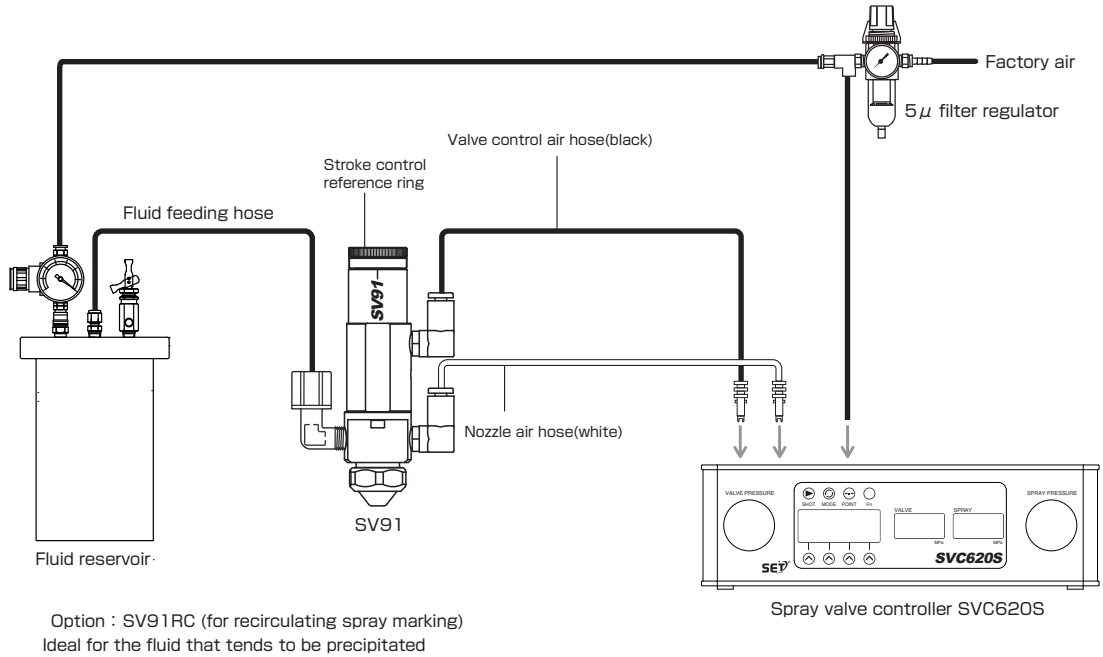
Size	φ26.9mm (Fluid body) x 105mm length
Weight	294g
Air cylinder body	SUS303
Fluid body	SUS303
Air cap	SUS303
Needle, nozzle	SUS303
Needle packing	Teflon®
Fluid inlet thread	1/8NPT female
Valve operating air inlet thread	M5×0.8 female
Mounting	M6 x 1 tap hole
Valve operating air pressure	0.4~0.62MPa
Maximum nozzle air pressure	0.2MPa (regulated)
Maximum fluid pressure	0.7MPa

Spray Area Coverage

Nozzle dia	pattern	Nozzle distance from surface			
		25.4mm	50.8mm	76.2mm	152.4mm
1.17mm	round A	6.3mm	12.7mm	19.0mm	38.1mm
0.70mm	round A	5.0mm	10.1mm	15.2mm	30.4mm
0.40mm	round A	4.3mm	8.6mm	12.7mm	25.4mm



SV91 precision spray valve system



Dispensing controller SVC620S

Consistent, precise spray control



- Stackable squared design
- Nozzle air delay function makes positive shut off
- Spray volume can be adjusted by TEACH function

Dimension:W250xD139(177)×H76(78)
()including protruding portion
Weight:1.5kg
Air Input Requirement:0.4 - 0.7MPa
Time setting range:0.005~999.9sec
Power:VDC24 (VAC100-240 adapter)

How the Valve Operates

Input air pressure retracts the needle from the nozzle seat, allowing fluid to flow from the dispensing tip. At the same time, nozzle air is turned on and flows from an annulus around the dispensing tip. This adjustable nozzle air creates a pressure drop around the nozzle causing the fluid to atomize into fine droplets.

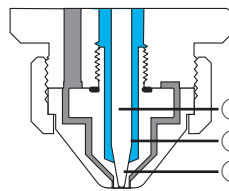


Figure 1

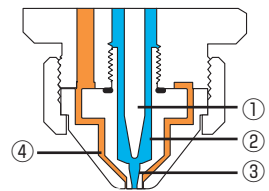


Figure 2



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