

SV59MS

Ensuring thin-film spraying as small as 2 μm

SV59MS, precision micro spray valve, using a small gauge needle tip, enables fine spraying of low to medium viscosity fluid over a narrow area without scattering.

Features

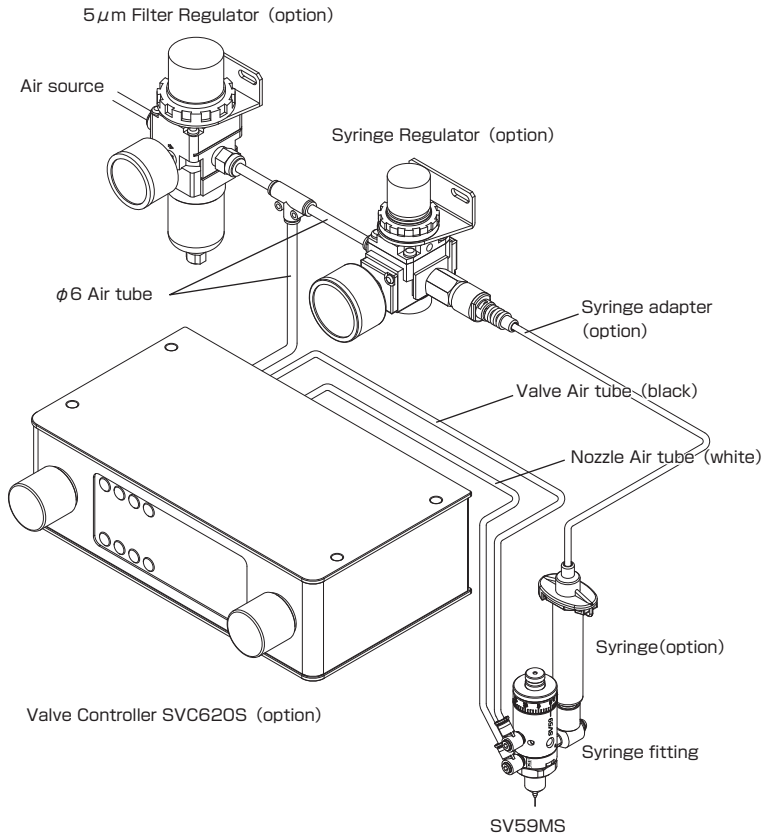
- Consistent microdots
- Compatible with a small needle tip
- Drip-free shut off
- No overspray, no mist

Product specification

Size	H91mm \times ϕ 27mm
Weight	280g (362g)※ () with solenoid valve
Air cylinder	SUS303
Needle	SUS303
Needle packing	PTFE, FKM
Fluid chamber	SUS303, PTFE
Syringe fitting	SUS303, FKM, PP
Fluid inlet thread	M5
Valve operating air inlet thread	M6
Valve operating air pressure	0.4 ~ 0.62Mpa
Maximum fluid pressure	0.7Mpa
Dispensing tip	GP Needle tip 23G (ID: ϕ 0.33mm)~33G (ID: ϕ 0.11mm)



SV59MS precision micro 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: W250×D139(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 piston needle from the hub of the dispensing tip, permitting fluid to flow. (Figure 1)
 Once the cycle is completed, the spring returns the piston needle back to its position in the dispensing tip to shut off the fluid. (Figure 2).

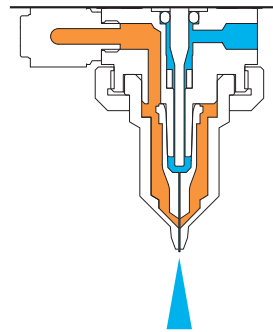


Figure 1

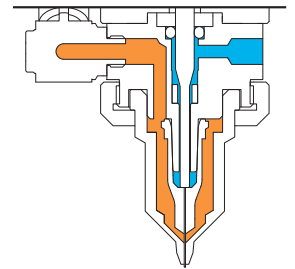


Figure 2



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