

SV59MD

Consistent minimum volume dispensing for microdot application

SV59MD microdot dispense valve, with excellent high-speed driven, can apply small to extremely minute dots combined with an optional high-speed solenoid valve, which ensures precise and drip-free operation.

Features

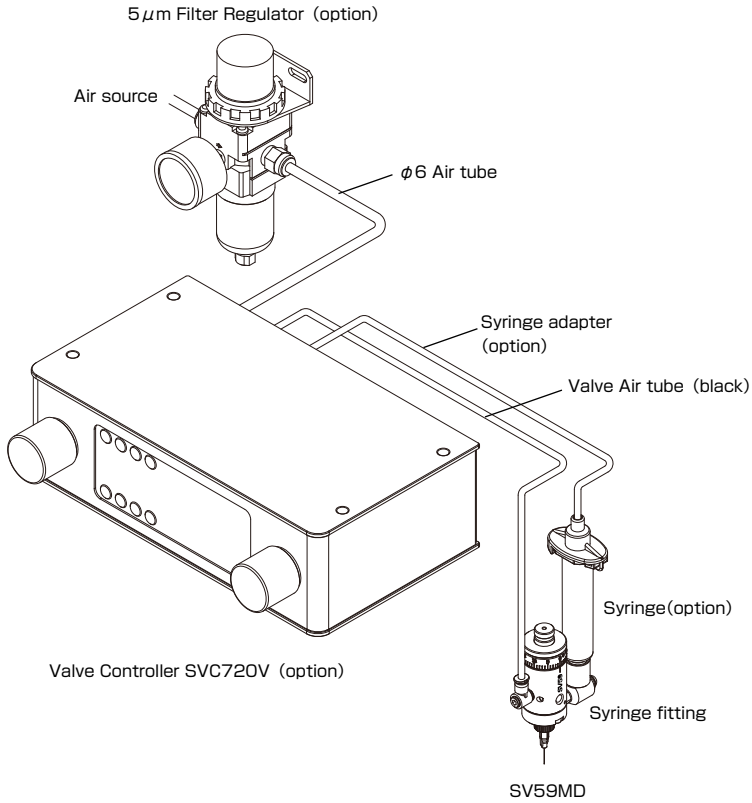
- Consistent microdots
- Drip-free shut off
- Applicable to low to medium viscosity fluids
- Fluid volume is adjustable

Product specification

Size	H79mm×φ27mm
Weight	213g (except fluid inlet fitting part)
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:φ0.33mm) ~ 33G (ID:φ0.11mm)



SV59MD microdot valve system



Dispensing controller SVC720V



Consistent, precise volume control for high precision dispensing valves

- Parameters can be fine-tuned by digital display
- Faster response time
- Stabilized by internal precision regulator

Dimension: W250xD139(177) \times H76(78)

() including protruding portion

Weight: 1.5kg

Air Input Requirement: 0.4 - 0.7MPa

Pressure setting range: 0~0.50MPa (Valve operational air is more than 0.40MPa)

Power: DC24V (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 piston spring returns the piston needle back to its position in the dispensing tip to shut off the fluid. (Figure 2).

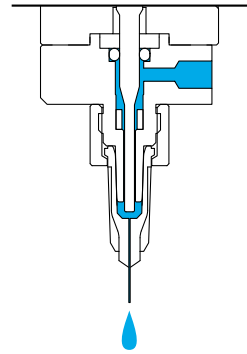


Figure 1

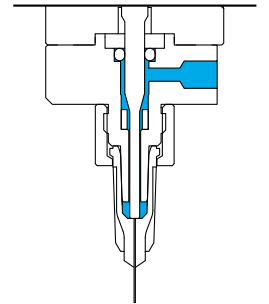


Figure 2



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