

# SV12

## Mini-diaphragm valve for controlled, consistent coatings where space is limited

The SV12 mini-diaphragm dispense valve is designed for drip-free coating and consistent shot-to-shot bonding of UV-cure adhesives and other low-to-medium viscosity fluids especially for applications where space is tight or limited.

### Features

- Compact and lightweight (length: 63.2mm, weight: 85g)
- No dripping at both start and stop
- Low maintenance for millions of cycles

### Product specification

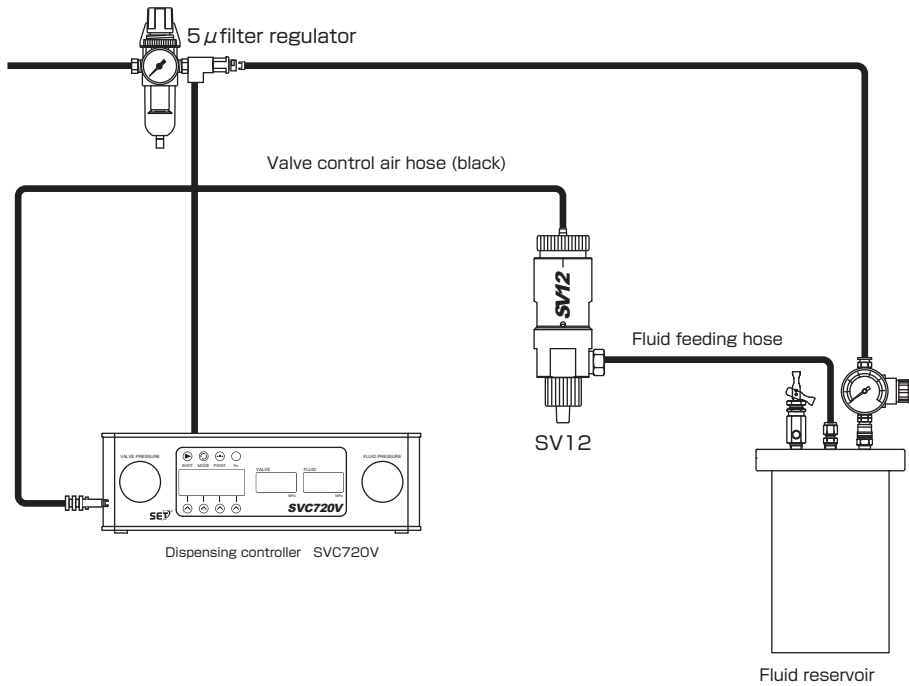
Size	φ18.9mm (fluid body) x 63.2mm length
Weight	85g
Fluid body	SUS303
Air cylinder body	SUS303
Mounting	M4 X 0.7 female
Diaphragm	UHMW※
Valve operating air pressure	0.4~0.62MPa
Maximum fluid pressure	0.48MPa

※Ultra High Molecular Weight



Smallest  
in class  
Length: 63.2mm  
Weight: 85g

# SV12 mini-diaphragm 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: W250×D139(177)×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 diaphragm seal, permitting fluid to flow. (Figure 1)

Once the cycle is completed, the spring retracts the piston and the diaphragm closes to shut off the fluid. (Figure 2)

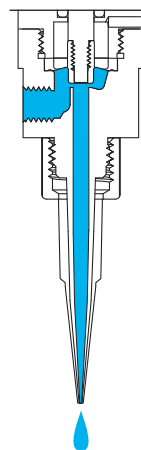


Figure1

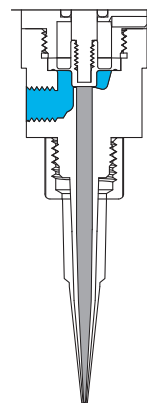


Figure2



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