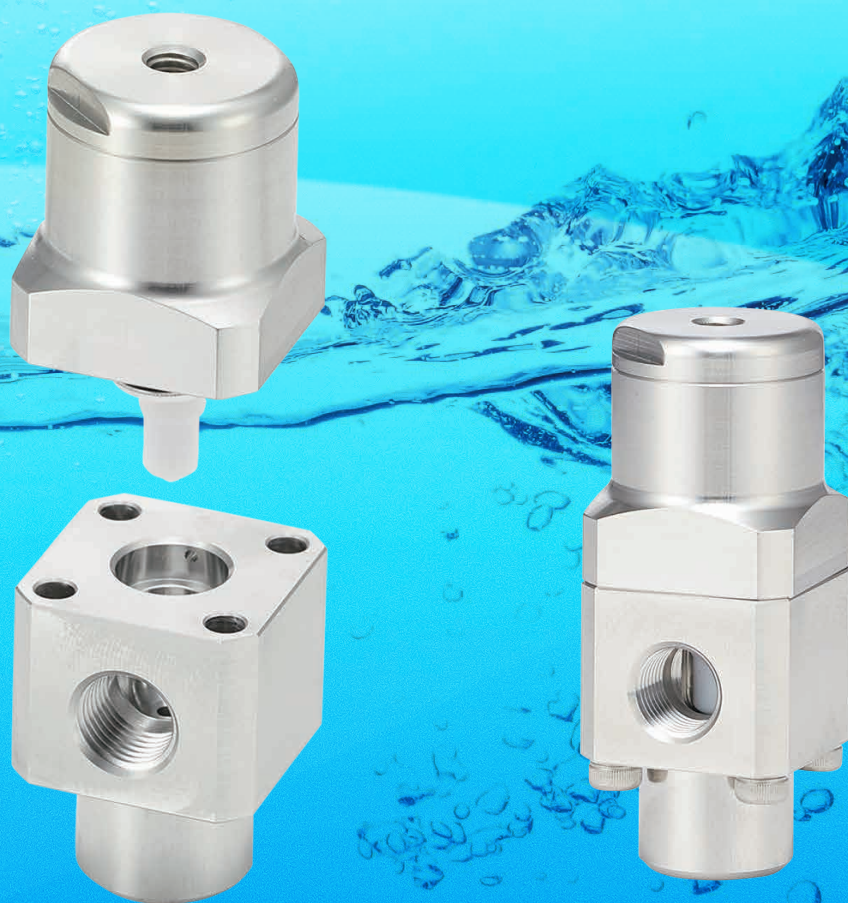


# ***SVLCD VALVES***

*Small volume filling valve*



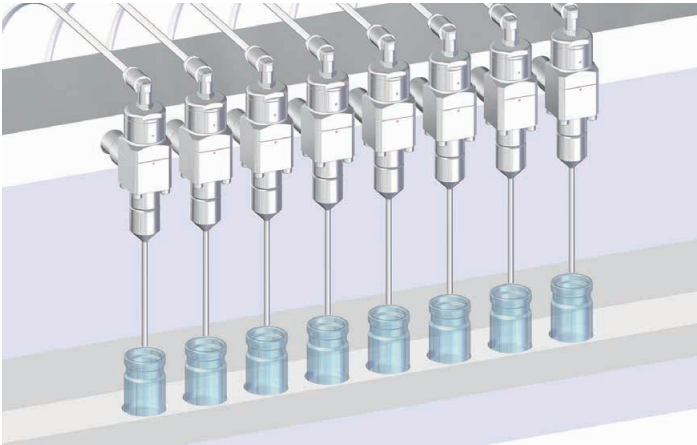
*Small change in internal volume and  
stable discharge flow rate*

# ■ Features

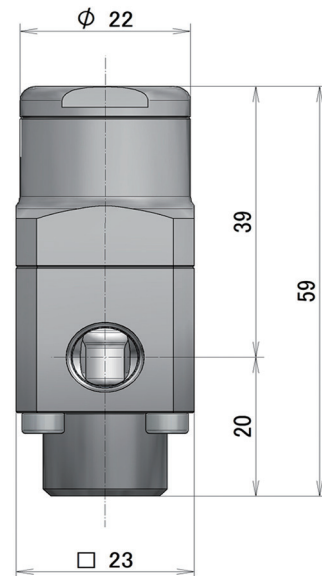
## ✓ Compact and space-saving installation

The compact design allows for installation in large quantities within small spaces.

□ 23mm



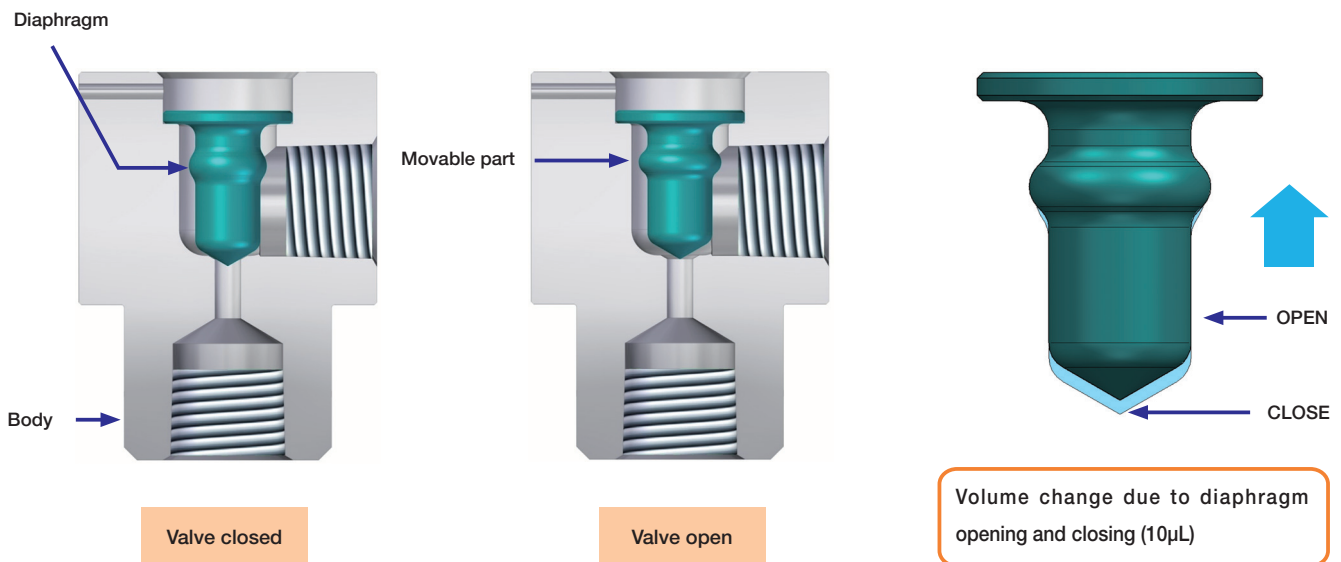
Installation Image



External Dimensions

## ✓ Small volume change in fluid passages

When the valve is opened or closed, the movement of the diaphragm is minimal, resulting in a small change in the volume of the fluid passage. Optimal for applications involving small-volume filling.



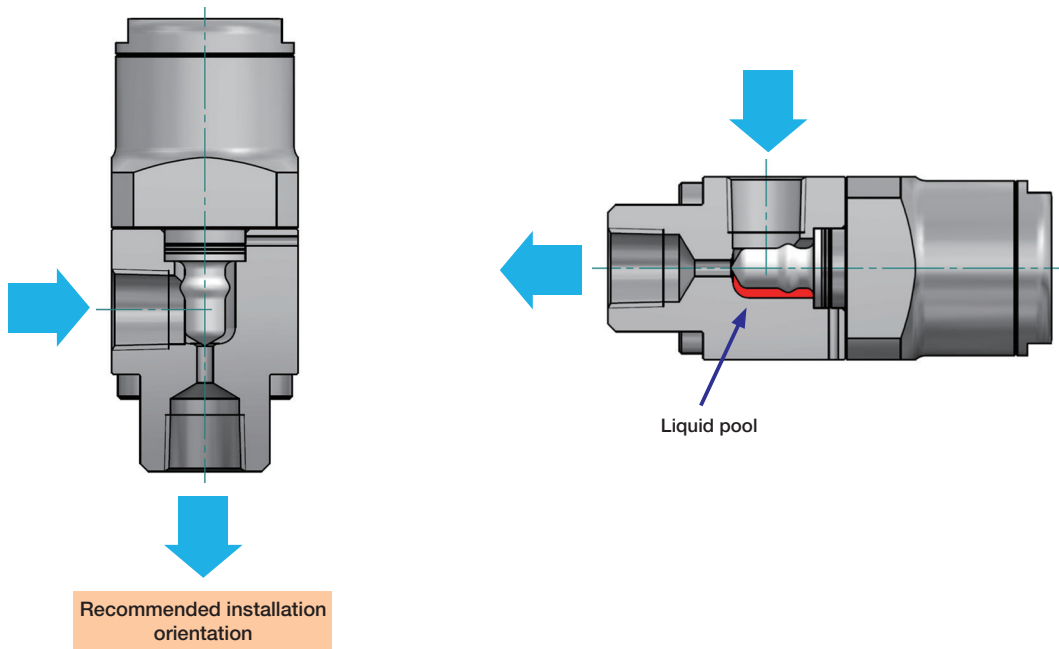
※Wetted part: The diaphragm is white PTFE.

※Volume change is a calculated value

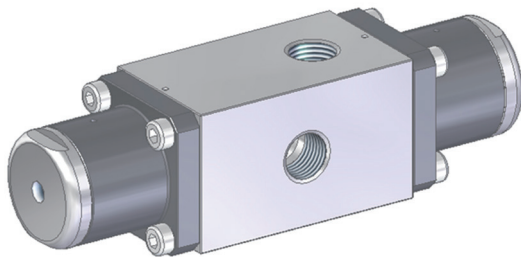


## ✓ Valve piping orientation

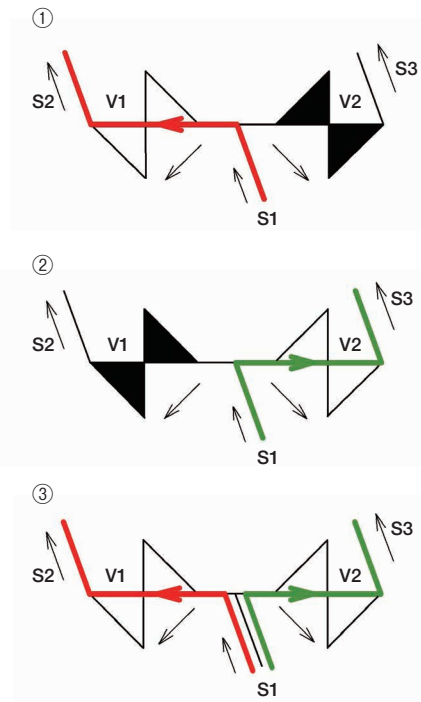
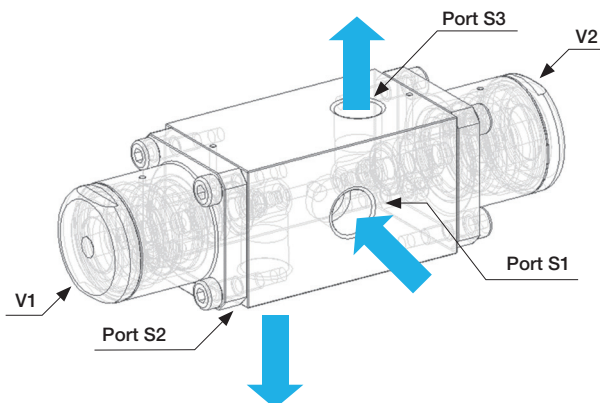
The valve can be installed in any orientation, but to minimize liquid accumulation inside the valve, install the actuator vertically as shown in the diagram below.



## ■ Opposed diaphragm valve



When blocked, the short pipe section is eliminated and the dead leg is reduced.



Operation pattern

pattern No.	Valve operation	
	V1	V2
①	O	C
②	C	O
③	O	O

O: Open, Valve open  
C: Close, Valve closed

※ Feel free to discuss other blocking options with us.

## ✓ Product number format

**SV LCD C - 2 P - 1A #ATEX**



①	Valve Series Name
SV	Sanitary Valves

②	Series
LCD	L-shaped angled Compact Diaphragm

③	Actuator operation type
C	Spring back type (normally closed type) [NC]

④	Diaphragm Size
2	Sheet diameter $\phi 2$

⑤	Diaphragm Material
P	PTFE

⑥	Connection method
1A	Primary side, secondary side: Rc1/8 female thread
M5-HOSE	Primary side: M5 size female thread, Secondary side: 3/8-24UNF-2A male thread

⑦	others
#ATEX	II 2G Ex c IIB T5

## ✓ Product Specifications

Product Name		Stainless Steel Threaded Air Operated Diaphragm Valve
Nominal Diameter		1/8"
Orifice Diameter		$\phi 2.0$
Connection		Rc1/8、M5・3/8-24UNF-2A
Wetted Parts Material	Body	SUS316
	Diaphragm	PTFE
Surface Roughness		Inner surface Ra 0.8 $\mu$ m or less (excluding threaded portion)
Fluid Used		Fluids that do not corrode valve wetted parts such as water, and inert gases such as air and nitrogen
Maximum Operating Temperature		0.6 MPa ( $\Delta P = 100\%$ )
Fluid Temperature		0 ~ 80 °C
Operating Environment		Indoor
Operating Environment Temperature		0~60 °C
Cv Value		0.08
Actuator	Model	Single action (Normal Close)
	Connection	M5x0.8
	Operating Pressure	0.45 ~ 0.7 MPa
	Stroke	0.5 mm
Weight		Stainless steel, fluoro rubber
Weight		Approx. 150g
Standard	Explosion-Proof Standard	ATEX : II 2G Ex c IIB T5