



Body Ported/Base Mounted Specification Specific Product Precautions 8

Be sure to read this before handling the products.

Refer to back page 50 for Safety Instructions and pages 3 to 9 for 3/4/5 Port Solenoid Valve Precautions.

Light/Surge Voltage Suppressor

⚠ Caution

Residual voltage of the surge voltage suppressor

Note) If a varistor or diode surge voltage suppressor is used, there is some residual voltage to the protection element and rated voltage. Therefore, refer to the table below and pay attention to the surge voltage protection on the controller side. Also, since the response time does change, refer to the specifications on pages 1265 and 1272.

Residual Voltage

Surge voltage suppressor	DC		AC
	24	12	
S, Z	Approx. 1 V		Approx. 1 V
R, U	Approx. 47 V	Approx. 32 V	—

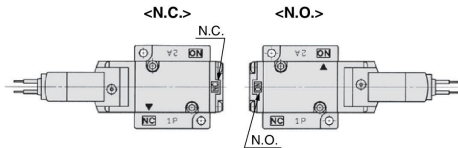
Type of Actuation Changing

⚠ Warning

When changing the actuation or restarting the valve after the change, make sure that safety is fully assured and pay great attention.

Example: Changing from N.C. to N.O.

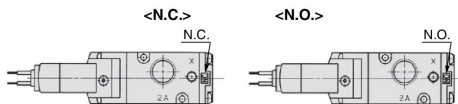
1) Base mounted



1. Remove the body from the sub-plate and reset the "▼" mark on the body corresponding to the "N.O." mark on the sub-plate as shown in the figure above.
2. Remove the end plate from the body and rotate the end plate by 180° so that the "N.O." mark on the end plate is at the top of the valve.

* It is not necessary to change the piping when this is done.

2) Body ported



- Remove the end plate from the body and rotate the end plate by 180° to correspond the "N.O." mark on the end plate to the top of the valve.

* Piping should be arranged as follows.

Type of actuation \ Port	1P	2A	3R
N.C.	Inlet side	Outlet side	Exhaust side
N.O.	Exhaust side	Outlet side	Inlet side

Precautions when replacing the old VP series with new VP series

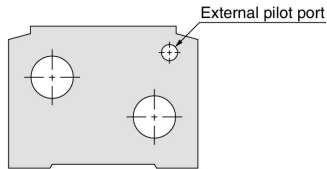
⚠ Caution

When replacing the built-in valve with the new VP series if the old VP series uses the external pilot manifold, be aware that the valve selection becomes different.

Manifold model no.	Mounting valve	
	New VP	Old VP
VV3P□ ⁴¹ □□-□□ (Internal pilot)	Internal pilot	Internal pilot
VV3P□ ⁴² R□□-□□ (External pilot)	External pilot	Internal pilot

<How to distinguish the external pilot manifold>

When the piping is connected to the external pilot port, this manifold is the external pilot manifold.



One-touch Fittings

⚠ Caution

When fittings are used, they may interfere with one another depending on their types and sizes. Therefore, the dimensions of the fittings to be used should first be confirmed in their respective catalogs.

Fittings whose compliance with the VP series is already confirmed are stated below. If the fitting within the applicable range is selected, there will not be any interference.

Applicable Fittings: KQ2H, KQ2S series

Series	Piping port	Port size	Applicable tubing O.D.					
			ø3.2	ø4	ø6	ø8	ø10	ø12
VP(A)300	1P, 2A, 3R	1/8, 1/4	[Shaded bar]					
	X	M5	[Shaded bar]					
VP(A)500	1P, 2A, 3R	1/4, 3/8	[Shaded bar]					
	X	1/8	[Shaded bar]					
VP(A)700	1P, 2A, 3R	3/8, 1/2	[Shaded bar]					
	X	1/8	[Shaded bar]					
VV3P(A)3 Manifold base	1P, 2A, 3R	1/4	[Shaded bar]					
	X	M5	[Shaded bar]					
VV3P(A)5 Manifold base	1P, 2A, 3R	3/8	[Shaded bar]					
	X	M5	[Shaded bar]					
VV3P(A)7 Manifold base	1P, 2A, 3R	1/2	[Shaded bar]					
	X	1/8	[Shaded bar]					