3 Port Solenoid Valve Series SYJ300/500/700





Improved pilot valve

Pilot valve cover is stronger using stainless steel. Mounting thread is also reinforced from size M1.7 to M2.

Flow Characteristics

Carias	Flow characteristics				
Series	C [dm³/(s⋅bar)]	b	Cv		
SYJ300	0.36	0.31	0.089		
SYJ500	1.2	0.41	0.32		
SYJ700	2.7	0.38	0.72		

V100 SY

SYJ

VK

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VT

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VG

VP

S070

VKF

VQZ VZ

VS

VFN

3 Port Pilot Operated Solenoid Valve Rubber Seal Series SYJ500

Flow Characteristics/Weight

Valve model		Type of Port actuation size	Flow characteristics				Weight (g) Note)						
				1	\rightarrow 2 (P \rightarrow A)	$2 (P \rightarrow A) \qquad \qquad 2 \rightarrow 3 (A \rightarrow R)$		Grommet	L/M plug	DIN	M8		
	actuation		3126	C [dm ³ /(s bar)]	b	Cv	C [dm ³ /(s bar)]	b	Cv	Cionine	connector	terminal	connector
Body	SYJ512	N.C.	M5 x 0.8	0.53	0.45	0.14	0.47	0.39	0.12	46	47	68	51
ported	SYJ522	N.O.	IVIO X U.O	0.66	0.45	0.18	0.66	0.45	0.18	40	47	00	31
Base mounted	SYJ514	N.C.	1/8	1.2	0.41	0.32	1.1	0.46	0.32	CO (4C)	01 (47)	00 (00)	CE (E1)
(with sub-plate)	SYJ524	N.O.	1/0	1.3	0.37	0.33	1.2	0.48	0.34	60 (46)	61 (47)	82 (68)	65 (51)



Note) Value for DC. Add 1 g for AC. (): Without sub-plate.

V100

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S070 VQ

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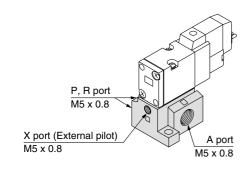
External Pilot

SYJ500R

Pilot valve pressure is supplied separately from the main valve pressure through the use of a separate supply port. It can be used in the vacuum (up to -100 kPa) or low pressure line with 0.15 MPa or less.

Specifications

Applicable model	Base mounted (SYJ514R, SYJ524R)			
Operating pressure range	Main pressure	-100 kPa to 0.7		
MPa	External pilot pressure	0.15 to 0.7		



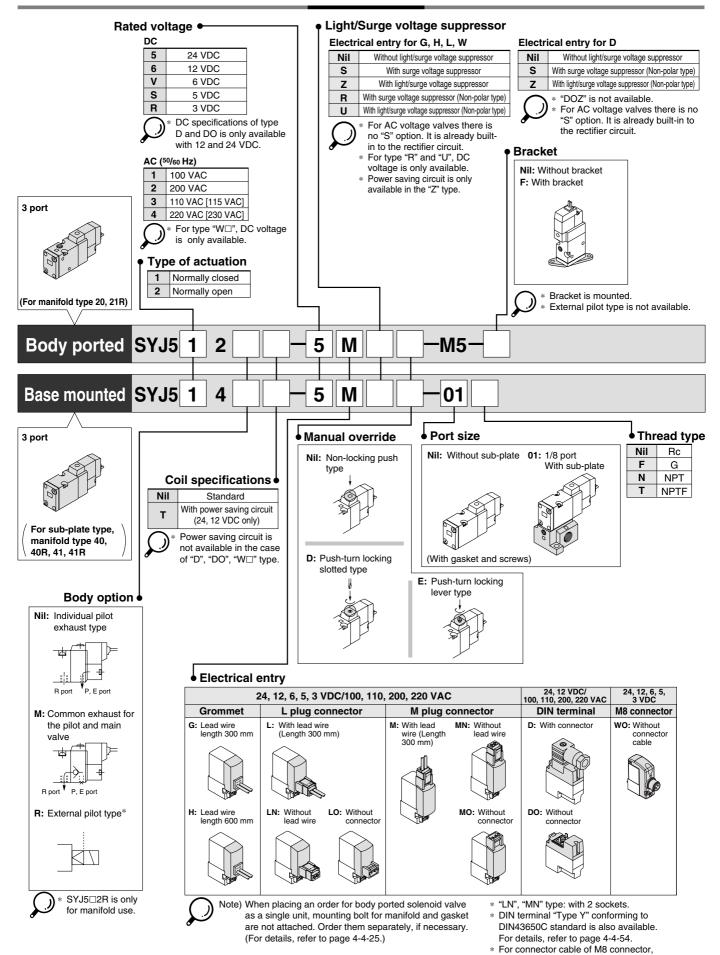


Note 1) For manifold base, refer to page 4-4-24.

Note 2) External pilot type body ported valves (SYJ5□2R) can only be used on the manifold.

For body ported models with the external pilot option, please refer to page 4-4-55.

How to Order



refer to page 4-4-60.