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

Corios	Flow char	acteristics		
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 Solenoid Valve Rubber Seal

Series SYJ300/500/700

Series Variations

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	Series	Port size	Sonic conductance C [dm³/(s·bar)]	Type of actuation	Voltage	Electrical entry	Option With light/surge voltage suppressor	- Manual override
	SYJ300 P. 4-4-4	M3 x 0.5	Effective area 0.9 mm ² $\begin{bmatrix} 2 \rightarrow 3 \\ (A \rightarrow R) \end{bmatrix}$			Grommet		
Body Ported	SYJ500 P. 4-4-18	M5 x 0.8	0.66 [2 → 3] ((A → R))			L plug connector		
	SYJ700 P. 4-4-37	1/8	$\begin{array}{c} 2.5 \\ \text{[} 2 \rightarrow 3 \text{]} \\ \text{(A} \rightarrow \text{R)} \end{array}$	• N.C.	For DC 24 VDC 12 VDC 6 VDC 5 VDC 3 VDC	M plug connector	For DC ■ With surge voltage suppressor ■ With light/surge voltage suppressor	■ Non- locking push type
	SYJ300 P. 4-4-4	M5 x 0.8	0.36 $\begin{bmatrix} 2 \rightarrow 3 \\ (A \rightarrow R) \end{bmatrix}$	• N.O.	For AC ■100 VAC % Hz 110 VAC % Hz 200 VAC % Hz 220 VAC % Hz		For AC Note) ■ With light/surge voltage suppressor	■ Push-turn locking slotted type
Base Mounted	SYJ500 P. 4-4-18	1/8	$ \begin{array}{c} 1.2 \\ 2 \rightarrow 3 \\ (A \rightarrow R) \end{array} $			DIN terminal (SYJ500, 700 only)		■ Push-turn locking lever type
	SYJ700 P. 4-4-37	1/8, 1/4	$\begin{array}{c} 2.7 \\ \left[\begin{array}{c} 2 \rightarrow 3 \\ \left(A \rightarrow R\right) \end{array}\right] \end{array}$			M8 connector		



Note) All AC voltage models have built-in surge voltage suppresso

3 Port Pilot Operated Solenoid Valve Rubber Seal Series SYJ300

Flow Characteristics/Weight

	Flow characteristics							Effective	Weight (g) Note)				
Valve model Type of actuation		Port size	$1 \rightarrow 2 (P \rightarrow A)$		$2 \rightarrow 3 (A \rightarrow R)$			area	0	L/M plug	M8		
	actuation size		Size	C [dm3/(s bar)]	b	Cv	C [dm3/(s bar)]	b	Cv	(mm²)	Grommet	connector	connector
Body	SYJ312	N.C.	M3 x 0.5	_	_	_	_		_	0.0	32	22	37
ported	SYJ322	N.O.	IVIS X U.S	_	_	_	_	_	_	0.9	32	33	37
Base mounted	SYJ314	N.C.	M5 x 0.8	0.41	0.18	0.086	0.35	0.33	0.086		53 (32)	E4 (00)	FO (07)
(with sub-plate)	SYJ324	N.O.	IVIO X U.O	0.36	0.31	0.089	0.36	0.31	0.089		55 (SZ)	54 (33)	58 (37)



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

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S070 VQ

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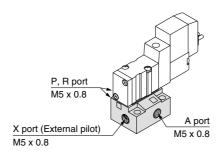
External Pilot

SYJ300R

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 (SYJ314R, SYJ324R)				
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 4-4-10.

Note 2) External pilot type body ported valves (SYJ3 = 2R) can only be used on the manifold.

How to Order

