

Specifications

Model		XSA1-12	XSA1-22	XSA2-22	XSA2-32	XSA3-32	XSA3-43
Action		Normally closed direct acting 2 port solenoid valve					
Fluid		Non corrosive gas for stainless steel (SUS405 equivalent)					
Orifice diameter mmø		2	3		4.5		6
Cv factor		0.17	0.33		0.6		1.05
Actuation pressure difference MPa ^{Note 1)}		0.8	0.3	1.0	0.3	0.8	0.3
Reverse pressure potential MPa ^{Note 2)}		0.5	0.25	0.4	0.2	0.2	0.15
Port A pressure Pa		1 x 10 ⁻⁶					
Leakage Pa m ³ /s {Torr l/s}	Internal		1.3 x 10 ⁻⁹ {1 x 10 ⁻⁸ } at ordinary temperatures, excluding gas permeation				
	External		1.3 x 10 ⁻¹¹ {1 x 10 ⁻¹⁰ } at ordinary temperatures, excluding gas permeation				
	Fitting	VCR [®]	1.3 x 10 ⁻¹¹ {1 x 10 ⁻¹⁰ }				
		Swagelok [®]	1.3 x 10 ⁻¹⁰ {1 x 10 ⁻⁹ }				
Piping connection system		VCR [®] /SWJ (Swagelok) [®]					
Connection size		1/4B					3/8B
Operating temperature °C		5 to 40					
Rated voltage		100VAC (with full wave rectifier)			6/12/24/48/100VDC		
Power consumption W		5	8		11		
Allowable voltage fluctuation %		±10					
Weight kg		0.3	0.5		0.6		
Service life (Million cycles)		2					

Note 1) The actuation pressure difference indicates the difference between Port P (high pressure side) and Port A (low pressure side).

Example) In the case of 0.3MPa, Port A is a vacuum (1Torr or less), while Port P can be pressurized to 0.2MPa {2kgf/cm²}.

Note 2) Reverse pressure potential indicates the pressure which can be applied from Port A when Port P is at atmospheric pressure.

Note 3) Indicates case of grommet type electrical entry.