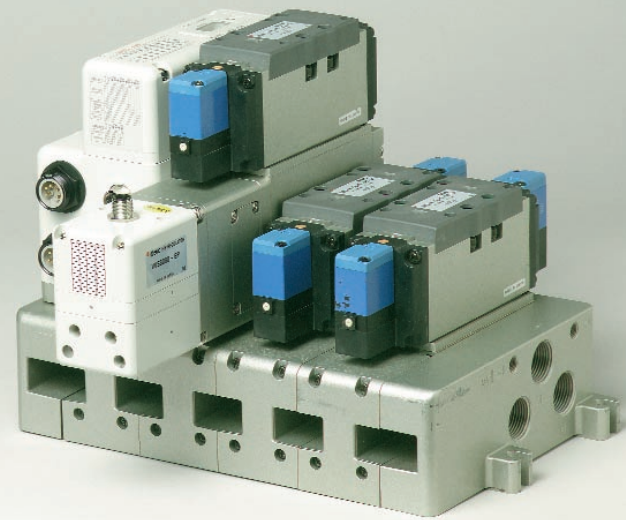




# ISO Interface Solenoid Valve



## SERIES VSR/S 8

Complies with ISO Standard 5599/2  
CSA approved  
Lateral plug-in type manifold option  
Low power Solenoids (1.8W)

# ISO 5599/2 Plug-In Base

ISO standard interface and electrical plug connection for sizes 1,2 & 3

## Specifications

		Rubber Seal	Metal Seal
Valve Operation		Pilot operated, 5 post	
Fluid		Air, Inert gas	
Operating pressure range MPa (psi)		0.1~1.0 (14.5~145)	0.1~1.6 (14~230) <sup>note 1)</sup>
Proof pressure MPa (psi)		1.5 (217)	2.4 (348)
Ambient and fluid temp. C° (F°) <sup>note 2</sup>		-5~+50 (+23~+122)	-20~+60 (-4~+140)
Max. Operating frequency cycle/sec.	2-position	8-6:5, 8-8:6, 8-10:5	8-6:20, 8-8:15, 8-10:10
	3-position	8-6:3, 8-8:3, 8-10:2	8-6:10, 8-8:10, 8-10:20
Lubrication		Not Required	
Manual override		Non-locking push type	
Protection structure		Dust Proof	
Coil rated voltage		100VAC, 110VAC, 200VAC, 220VAC, 24VDC	
Allowable voltage range %		-15~ +10% of rated voltage	
Coil insulation		Class B or equivalent	
Apparent power VA	Inrush	50Hz	5.6
		60Hz	5.0
	Holding	50Hz	3.4
		60Hz	2.3
Power consumption W		1.8	
Surge voltage suppressor and indicator light		Available as an Option	
<small>Note1) Pilot pressure range should be 0.1~1.0MPa (14.5~145psi)                  2) Use dry air to prevent dew condensation when operating at low temperature</small>			

### Choice of seals for maximum flexibility

Available in either high flow rubber seal (model VSR) or matched ground spool and sleeve (model VSS).

### Low power consumption: 1.8w DC

Available in 2 or 3 position, single or double solenoid pilot configuration.

### Long operating life

- Rubber Seal: 30 million cycles or more
- Metal Seal: 50 million cycles or more

\*Subject to SMC's own test data using clean and dry air

Meet the following specifications:

SAE SPEC: SAE J2051

GM SPEC: CL-00-3

### A variety of manifold & wiring options

- Individual SUP spacer (For size 1, 2 & 3)
- Individual EXH spacer (For size 1 & 2)
- Interface speed controls (For size 1 & 2)
- Interface regulator (For size 1, 2 & 3)
- Terminal box with conduit port
- Serial transmission unit (for PLC's of Allen Bradley, OMRON, Mitsubishi, SHARP, etc.)

### Splash proof option available

- Splash proof manifold conforms to IP65 and NEMA4.

## Higher range of flow rates within each valve size

Size	Model	Seal	Dimensions (mm (in))*	Port Size	Flow rate (Cv)
1	VSR8-6	Rubber	62x111x188.5 (2.4x4.4x7.4)	1/4, 3/8, 1/2	2.0
2	VSR8-8	Rubber	79x125.5x211 (3.1x4.9x8.3)	3/8, 1/2, 3/4	4.0
3	VSR8-10	Rubber	96x137x246 (3.8x5.4x9.7)	1/2, 3/4, 1	5.4
1	VSS8-6	Metal	62x111x188.5 (2.4x4.4x7.4)	1/4, 3/8, 1/2	1.8
2	VSS8-8	Metal	79x125.5x211 (3.1x4.9x8.3)	3/8, 1/2, 3/4	3.6
3	VSS8-10	Metal	96x137x246 (3.8x5.4x9.7)	1/2, 3/4, 1	5.0

# Mounted Interface Valve

## How to order Valve

**VS R 8- 6 - FG - S - 1 A03T -V1 -X1**

Type of seal

R	Rubber
S	Metal

Size

6	Size 1
8	Size 2
10	Size 3

Configuration

FG	2-position
FHG	3-position, Closed center
FJG	3-position, Exhaust center
FIG	3-position, Pressure center
YHZ	3-position, Dual Closed center
YIZ	3-position, Dual Pressure center
YJZ	3-position, Dual Exhaust center
YZ	2-position, Dual Pressure

Number of Solenoid

S	Single
D	Double

Special Options

-	Standard
X1	External Pilot Supply

Pilot Exhaust Options

-	Pilot Exh. through footprint
V1	External Individual Pilot Exhaust

Subplate (NPTF)

-	Without Subplate
A02T	Side 1/4 For VSR/S8-6
A03T	Side 3/8 For VSR/S8-6, 8-8
A04T	Side 1/2 For VSR/S8-68-8, 8-10
A06T	Side 3/4 For VSR/S8-8, 8-10
A10T	Side 1 For VSR/S8-10
B02T	Bottom 1/4 For VSR/S8-6
B03T	Bottom 3/8 For VSR/S8-8
B04T	Bottom 1/2 For VSR/S8-10

Rated voltage

1Z	100VAC/50Hz, 115VAC/60Hz
2Z	200VAC/50Hz, 230VAC/60Hz
3EZ	24VDC
4EZ	12VDC

\* Consult an SMC representative for other voltage options



Popular SMC models have been certified by the Canadian Standards Association and bear the CSA trademark. This designation is a registered mark which signifies that the product has been certified to the applicable CSA and UL standard for use in Canada and the United States. NRTL, i.e. Nationally Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards. Please consult the factory for specific details.

## How to order ISO 5599/2 Plug-in Manifold

**VV8 1 5 - 02 - 03 D T**

Size

1	Size 1
2	Size 2
3	Size 3

Number of Stations

1	1 Station
10	10 Station

Note) "SU" and "TBU" require one station.

Location and size A, B port

02	Side 1/4
03	Side 3/8
04	Side 1/2
06	Side 3/4
10	Side 1
02B	Bottom 1/4
03B	Bottom 3/8
04B	Bottom 1/2

Option

-	No option
TBU	With terminal box
SU	With SI unit
W	Splash proof

Port Thread

-	Rc(Pt)
T	NPTF
F	G(PF)

Location of P, EA, EB port

D	Bottom
U	Top

Size of P, EA, EB port

02	1/4
03	3/8
04	1/2
06	3/4
10	1

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