



**5 Port Solenoid Valve**



**Cable Appendix**

- Cable appendix section.

16

Series	Type	Flow (Cv) 1 → 2 (P → A)	Port size	Manifold station *	Page No.
	<b>SV1000/2000/3000/4000</b> 5 port solenoid valve - Rubber seal				
	<ul style="list-style-type: none"> <li>• Sub-base</li> <li>• Manifold</li> </ul>	0.24~2.2	1/8, 1/4, 3/8, 1/2, ø3.2, ø4, ø6, ø8, ø10, ø12	2~20	21
	<b>SY3000/5000/7000/9000</b> 5 port solenoid valve - Rubber seal				
	<ul style="list-style-type: none"> <li>• Body ported</li> <li>• Sub-base</li> <li>• Manifold</li> </ul>	0.13~2.5	M5, 1/8, 1/4, 3/8, 1/2, ø4, ø6, ø8, ø10, ø12	2~20	39
	<b>SY3000/5000/7000</b> 5 port solenoid valve - Rubber seal- Cassette type				
	<ul style="list-style-type: none"> <li>• Manifold Cassette type</li> </ul>	0.14~0.98	M5, 1/8, 1/4, ø4, ø6, ø8, ø10	2~20	97
	<b>SYJ3000/5000/7000</b> 4/5 port solenoid valve - Rubber seal				
	<ul style="list-style-type: none"> <li>• Body ported</li> <li>• Sub-base</li> <li>• Manifold</li> </ul>	0.10~0.74	M3, M5, 1/8, 1/4, ø4, ø6, ø8	2~20	103
	<b>SX3000/5000/7000</b> 5 port solenoid valve - Rubber seal				
	<ul style="list-style-type: none"> <li>• Body ported</li> <li>• Sub-base</li> <li>• Manifold</li> </ul>	0.13~1.3	M5, 1/8, 1/4, 3/8, ø4, ø6, ø8, ø10	2~20	134

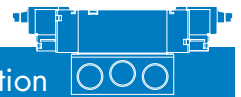
\* It is possible to make longer manifolds but the wiring for each station must be specified on a configuration table. Please contact SMC for clarification.



**SI (Serial Interface) Systems Overview**

- SMC can offer many interfaces to connect to different systems.

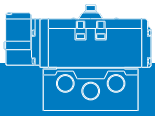
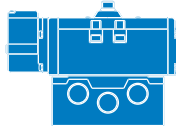
151


**5 Port Solenoid Valve**


Series	Type	Flow (Cv) 1 → 2 (P → A)	Port size	Manifold station *	Page No.
	<b>VQC1000/2000/4000</b> 5 port solenoid valve - Rubber seal/Metal seal				
	<ul style="list-style-type: none"> <li>• Manifold</li> </ul>	0.16~2.1	M5, ø4, ø6, ø8	1~12	154
	<b>SQ1000/2000</b> 5 port solenoid valve - Rubber seal				
	<ul style="list-style-type: none"> <li>• Body ported</li> <li>• Manifold</li> </ul>	0.14~0.56	M5, ø4 ø6, ø8	1~12	161
	<b>VQ0000/1000/2000</b> 5 port solenoid valve - Rubber seal/Metal seal				
	<ul style="list-style-type: none"> <li>• Body ported</li> <li>• Manifold</li> </ul>	0.07~0.80	M5, ø4 ø6, ø8	1~12	167
	<b>VQ4000/5000</b> 5 port solenoid valve - Rubber seal/Metal seal				
	<ul style="list-style-type: none"> <li>• Sub-base</li> <li>• Manifold</li> </ul>	1.5~4.4	1/4, 3/8, 1/2 ø8, ø10, ø12	1~12	185
	<b>VQD1000</b> 4 port direct operated poppet solenoid valve - Rubber seal				
	<ul style="list-style-type: none"> <li>• Body ported</li> <li>• Sub-base</li> <li>• Manifold</li> </ul>	0.05~0.07	M5	1~20	202

\* It is possible to make longer manifolds but the wiring for each station must be specified on a configuration table. Please contact SMC for clarification.



**5 Port ISO Solenoid Valve**

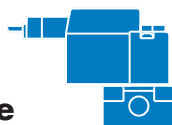
Series	Type	Flow (Cv) 1 → 2 (P → A)	Port size	Manifold station *	Page No.
	<b>VQ7-6/7-8</b>				
	ISO solenoid valve - Rubber seal/Metal seal				
	<b>EVS7-6/7-8/7-10</b>				
	ISO solenoid valve with M12 connector - Rubber seal/Metal seal				
	<b>EVS1-01/1-02</b>				
	ISO solenoid valve with M8, M12 connector - Rubber seal/Metal seal				
	<b>VP7-6/7-8</b>				
	ISO solenoid valve - Rubber seal				

\* It is possible to make longer manifolds but the wiring for each station must be specified on a configuration table. Please contact SMC for clarification.

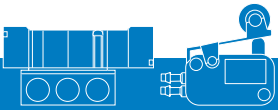
\*\* SMC do not currently offer manifolds for series EVS1 valves, as they are a commodity item on the open market.



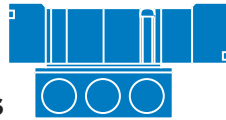
### 3 Port Solenoid Valve







Series	Type	Flow (Cv) 1 → 2 (P → A)	Port size	Applicable in vacuum use	Page No.
	<b>V100</b> 3 port direct operated solenoid valve - Rubber seal				
	<ul style="list-style-type: none"> <li>• Sub-plate</li> <li>• Manifold</li> </ul>	0.008~0.024	M5	-101.2 kPa	233
	<b>S070</b> 3 port compact direct operated solenoid valve				
	<ul style="list-style-type: none"> <li>• Body ported</li> <li>• Sub-plate</li> <li>• Manifold</li> </ul>	0.011~0.021	M3, M5 ø2, ø4	-101.2 kPa	238
	<b>SYJ300/500/700</b> 3 port pilot operated solenoid valve - Rubber seal				
	<ul style="list-style-type: none"> <li>• Body ported</li> <li>• Sub-plate</li> <li>• Manifold</li> </ul>	0.086~0.77	M3, M5 1/8, ø4 ø6, ø8	-101.2 kPa	249
	<b>SY300/500</b> 3 port solenoid valve - Rubber seal				
	<ul style="list-style-type: none"> <li>• Body ported</li> <li>• Manifold</li> </ul>	0.13~0.61	M5, 1/8 ø4, ø6, ø8	-101.2 kPa	95
	<b>EVT307/317</b> 3 port direct operated solenoid valve - Rubber seal				
	<ul style="list-style-type: none"> <li>• Body ported</li> <li>• Manifold</li> </ul>	0.12~0.62	1/8, 1/4	-101.2 kPa	272
	<b>VT325</b> 3 port direct operated solenoid valve - Rubber seal				
	<ul style="list-style-type: none"> <li>• Body ported</li> <li>• Manifold</li> </ul>	1.4	1/4, 3/8	-101.2 kPa	281
	<b>EVP300/500/700</b> 3 port pilot operated poppet solenoid valve - Rubber seal				
	<ul style="list-style-type: none"> <li>• Body ported</li> <li>• Sub-plate</li> <li>• Manifold</li> </ul>	0.26~3.5	1/8, 1/4, 3/8, 1/2	-101.2 kPa	284
	<b>VKF300</b> 3 port direct operated poppet solenoid valve				
	<ul style="list-style-type: none"> <li>• Body ported</li> <li>• Sub-plate</li> <li>• Manifold</li> </ul>	0.13~0.15	M5, 1/8 ø4, ø6	-101.2 kPa	294





## Air Operated Valves



Series	Type	Flow (Cv) 1 → 2 (P → A)	Port size	Page No.
 <p><b>SYA3000/5000/7000</b> 5 port air operated valve</p>				
	5 port valve <ul style="list-style-type: none"> <li>• Body ported</li> <li>• Sub-plate</li> <li>• Manifold</li> </ul>	0.15~1.3	M5, 1/8, 1/4 ø4, ø6, ø8, ø10	299
 <p><b>EVFA3000/5000</b> 5 port air operated valve</p>				
	5 port valve <ul style="list-style-type: none"> <li>• Body ported</li> <li>• Sub-plate</li> <li>• Manifold</li> </ul>	0.64~2.7	1/8, 1/4, 3/8, 1/2	313
 <p><b>SYJA300/500/700</b> 3 port air operated valve</p>				
	3 port valve <ul style="list-style-type: none"> <li>• Body ported</li> <li>• Sub-plate</li> <li>• Manifold</li> </ul>	0.086~0.77	M3, M5 1/8, 1/4	321
 <p><b>EVPA300/500/700</b> 3 port air operated valve</p>				
	3 port valve <ul style="list-style-type: none"> <li>• Body ported</li> <li>• Sub-plate</li> <li>• Manifold</li> </ul>	0.74~3.8	1/8, 1/4, 3/8, 1/2	324

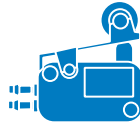
## Mechanical Valves





Series	Type	Effective area (mm <sup>2</sup> )	Port size	Page No.
 <p><b>VM1000</b> 2, 3 port micro mechanical valve</p>				
	2, 3 port, N.C.	1	Barbed connection to suit ø4mm tube	331
 <p><b>EVM100/200/400</b> 2, 3 port mechanical valve</p>				
	EVM100: 2, 3 port, N.C. EVM200: 2, 3 port, N.C. EVM400: 3 port, N.C.	EVM100: 2.5 EVM200: 19 EVM400: 7	VM100: 1/8 VM200: 1/4 VM400: 1/8	333



## Mechanical Valves






Series	Type	Effective area (mm <sup>2</sup> )	Port size	Page No.
	<b>EVM800</b> Heavy duty 3 port mechanical valve			
	3 port, universal porting	6	1/8	350
	<b>EVZM550/450, VFM350/250</b> 5 port mechanical valve			
	EVZM550: 5 port, rubber spool EVZM450: 5 port, metal spool EVFM350: 5 port, rubber spool EVFM250: 5 port, metal spool	EVZM550: 10.8 EVZM450: 9.9 EVFM350: 5 EVFM250: 5	EVZM550: 1/8 EVZM450: 1/8 EVFM350: 1/8 EVFM250: 1/4	353

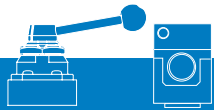
Valves

## Logic Valves

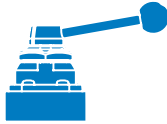


Series	Type	Effective area (mm <sup>2</sup> )	Port size	Page No.
	<b>VR1210/1220</b> Shuttle valve			
	In-line/Thread type	7/15	1/8	370
	<b>VR1210F/1220F</b> Shuttle valve with one-touch fittings			
	In-line/One-touch fittings	7.3/15.2	ø3.2, ø4, ø6, ø8, ø10	371
	<b>VR1211F</b> AND valve with one-touch fittings			
	In-line/One-touch fittings	2.6	ø3.2, ø4, ø6	373





**Hand Valves**



**VHK**

2, 3 port finger valve

2, 3 port, In-line	2.0~17.5	M5, 1/8, 1/4, 3/8, 1/2, ø4, ø6, ø8, ø10, ø12	375
--------------------	----------	--	-----



**VH**

4 port hand valve

4 port, robust construction	7.5~194	1/4, 3/8, 1/2, 3/4, 1	378
-----------------------------	---------	-----------------------	-----



**VHS**

3 port hand valve, residual pressure relief

3 port air isolating valve	21~93	1/4, 3/8, 1/2, 3/4	383
----------------------------	-------	--------------------	-----

Valves

**Multi Regulator Valves**



**EVEX1**

Regulator Valve

Pilot operated regulator	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	385
--------------------------	---	-----



**VEX3**





3 position power valve

Universal porting, suitable for air or low vacuum	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 2	391
---	--------------------------------------	-----



## Silencers/Exhaust Cleaners



Series	Type	Effective area (mm <sup>2</sup> )	Port size	Page No.
	<b>AN/25</b> Silencer standard type	35~960	M3, M5, 1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 Stem for ø6, 8, 10, 12	398
	noise reductions up to 30dB			
	<b>AN□1</b> Silencer high noise reduction type	10~610	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	400
	High noise attenuation (40dB)			
	<b>AMC</b> Exhaust cleaner (reclassifier)	16~550	Male thread: 3/8, 3/4, 1, 1 1/2, 2 Female thread: 1/4, 3/8, 1/2, 3/4	401
	Removes oil for exhaust air 99.9% of mist removed			
	<b>AMP</b> Exhaust cleaner for clean rooms	15~55	1/4, 3/8, 1/2, 3/4	402
	An exhaust cleaner that can be used inside a clean room. Equivalent to Class 10.			