

Solenoids Valves

5 - Port Solenoid Valves and Manifolds

Valve SY **5** **1** **20** **5** **L** **Z** **01T**

3	SY3000
5	SY5000
7	SY7000

1	2-Position single
2	2-Position double
3	3-Position closed center
4	3-Position open center
5	3-Position press. center

20	Body-Ported
40	Base mounting

1	100 VAC
2	200 VAC
5	24 VDC
6	12 VDC
3	110 VAC/115 VAC
4	220 VAC/230 VAC

Electrical entry

D	DIN Connector (5000, 7000 only)
G	Grommet (300 mm lead)
H	Grommet (600 mm lead)
L	L Type plug connector (300mm lead)
LN	L Type without lead wire
LO	L Type without connector
LP	L Type plug connector (300 mm lead wire with cover)
M	M Type plug connector (300 mm lead)
MN	M Type without lead wire
MO	M Type without connector
MP	M Type plug connector (300 mm lead wire with cover)
F	Plug in

Option

	None
S	Surge suppressor (DC only)
Z	Indicator light with surge suppressor for non-polar type (12, 24 VDC) (U not available with DIN entry)
U	Indicator light with surge suppressor for non-polar type (12, 24 VDC) (U not available with DIN entry)

Manual override

	Standard non locking push type
D	Slotted locking type (Tool required)
E	Locking lever type

Port size (A&B)

Symbol	Port size
M5	10-32 Nom.
N3	Fittings ϕ 3/32"
N7	Fittings ϕ 1/4"
O1T	1/8 NPTF
N7T	Fittings ϕ 1/4"
N9T	Fittings ϕ 5/16"
O2T	1/4 NPTF
N9T	Fittings ϕ 5/16"
N11T	Fittings ϕ 3/8"



Series	Manifold Pitch (mm)	Flow Cv	Applicable Cylinder Size
SY3000	10.5	0.3	Up to ϕ 63
SY5000	16.0	0.9	Up to ϕ 80
SY7000	19.0	1.4	Up to ϕ 100

Manifold Base

SS5Y **5** **20** **05** **00T**

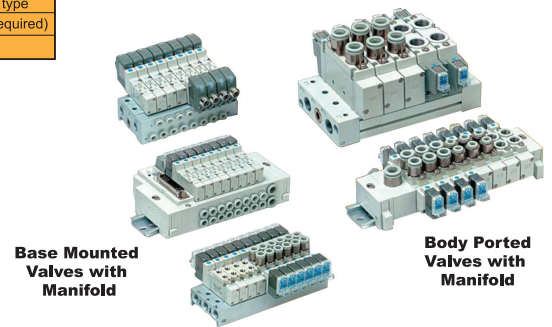
3	SY3000
5	SY5000
7	SY7000

20	Body-Ported
41	Base mount

Nil	Individual electrical wiring
P	Flat ribbon cable connector

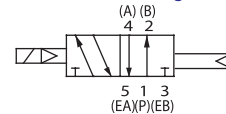
P, R, Ports		
Type 20	Nil	PT
	00T	NPT
Type 41	MST	
	N3T	
	N7T	
	O1T	
	N7T	
	O1T	

Number of stations	
02	2 Stations
20	20 Stations

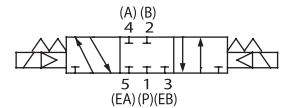


JIS Symbol

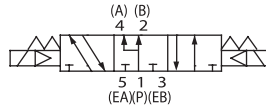
2 Position Single



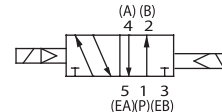
3 Position Closed Center



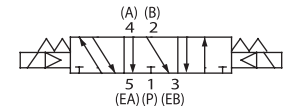
3 Position Pressure Center



2 Position Double



3 Position Exhaust Center



Series SY offers major advances in valve performance for cost-effective solutions to your requirements. The SY is available in body ported of base mounted styles and can be used individually or manifold mounted. Offers high flow with low power consumption in a compact design power consumption with power saving circuit : 0.1 W, Response time 10 m Sec.

Base Mounted Valves

Electrical entry and fittings are specified on the valves.

Number	Price \$	Mfr's	Description	Voltage
5R00 1430	---	SY3140-5LOZ-01T	2-Position single	24 VDC
5R00 0941	---	SY5140-3LOZ	2-Position single	110 VAC
5R00 1599	---	SY5140-5LOZ	2-Position single	24 VDC
5R00 1846	---	SY3140-5FU	2-Position single	24 VDC
5R00 1847	---	SY3140-5LOU	2-Position single	24 VDC
5R00 1857	---	SY3140-6LZ-01T	2-Position single	12 VDC
5R00 1853	---	SY5140-3GZ	2-Position single	110 VAC
5R00 1854	---	SY5140-5GZ	2-Position single	24 VDC
5R00 1855	---	SY5140-6LOZ	2-Position single	12 VDC
5R00 1856	---	SY5140-5LOZD	2-Position single	24 VDC
5R00 1862	---	SY7140-5LOZ	2-Position single	24 VDC
5R00 1858	---	SY7140-3LOZ	2-Position single	110 VAC
5R00 2062	---	SY3140-3LOZ	2-Position single	110 VAC
5R00 2063	---	SY3140-3LZ	2-Position single	110 VAC
5R00 2064	---	SY3140-5LU	2-Position single	24 VDC

Body - Ported Valves

Number	Price \$	Mfr's	Description	Voltage
8T01 1118	---	SY5120-5D-N7T	2-Position single	24 VDC
8T01 1500	---	SY5120-5DZ-01T	2-Position single	24 VDC
8T01 1501	---	SY5120-3DZ-01T	2-Position single	110 VAC
8T01 1502	---	SY5220-5DZ-01T	2-Position double	24 VDC
8T01 1503	---	SY5220-3DZ-01T	2-Position double	110 VAC
8T01 1504	---	SY5320-5DZ-01T	3-Position closed center	24 VDC
8T01 1513	---	SY7120-5DZ-02T	2-Position single	24 VDC
8T01 1514	---	SY7120-3DZ-02T	2-Position single	110 VAC
8T01 1515	---	SY7220-5DZ-02T	2-Position double	24 VDC
8T01 2070	---	SY7120-6G-02	2-Position single	12 VDC

Body - Ported Manifolds

Number	Price \$	Mfr's	Description	Series
6R55 1506	---	SS5Y5-20-02-00T	2-Station manifold	5000
6R55 1507	---	SS5Y5-20-04-00T	4-Station manifold	5000
6R55 1508	---	SS5Y5-20-06-00T	6-Station manifold	5000
6R55 1510	---	SS5Y5-20-10-00T	10-Station manifold	5000
6R55 1519	---	SS5Y7-20-02-00T	2-Station manifold	7000
6R55 1521	---	SS5Y7-20-06-00T	6-Station manifold	7000

Base Mounted Manifolds

Number	Price \$	Mfr's	Description	Series
7F81 2071	---	SS5Y3-41-04-M5T	4-Station manifold	3000
7F81 2072	---	SS5Y3-41P-12-N7T	12-Station manifold	3000
7F81 2073	---	SS5Y5-41-04-N7T	4-Station manifold	5000

Accessories

Number	Price \$	Mfr's	Description	Series
5L25 1429	---	SY3000-26-9A	Blank plate	3000
5L25 1512	---	SY5000-26-20A	Blank plate	5000
5L25 0927	---	SY7000-26-22A	Blank plate	7000
5L25 1860	---	SY3000-37-3A **	Connector assy.	3000
5L25 2396	---	M4X31(SY) *	Bolt	---
5L25 2397	---	SY7000-11-9 *	Gasket	---

* For body-ported valves. ** For -20P, -41P and -42P units only.