



IP69K Hygienic Design Valve Manifold

Developed for the **Food & Beverage Industries**

Full Product Release in 2013



- IP69K rated to withstand high pressure and steam cleaning
- Ability to install valves outside of protective panel and close to actuators for better control
- No gap between stations
- Small, lightweight package
- Easy to clean and easy to maintain
- Corrosion resistant

IP69K Hygienic Design Valve Manifold

Easy-to-Clean, Wash Down Resistant Exterior Housing



Bottom porting



Side porting or mixed
(side / bottom porting)



Mounting with legs



Mounting with bracket

SY5000 Valve specifications

Valve type		Rubber seal	Metal seal	
Fluid		Air		
Internal pilot operating pressure range psi (MPa)	2 position single	22 to 102 (0.15 to 0.7)	15 to 102 (0.1 to 0.7) (High pressure type: 15 to 145 (0.1 to 1))	
	2 position double	15 to 102 (0.1 to 0.7)		
	3 position	29 to 102 (0.2 to 0.7)	-	
	4 position dual 3 port	22 to 102 (0.15 to 0.7)		
External pilot operating pressure range psi (MPa)	Operating pressure range		-15 to 102 (-100 kPa to 0.7) (4 position: 15 to 87 (100kPa to 0.6))	
	Pilot pressure range	2 position single	36 to 102 (0.25 to 0.7)	-15 to 102 (-100 kPa to 0.7) (High pressure: -15 to 145 (-100 kPa to 1))
		2 position double		
		3 position		15 to 102 (0.1 to 0.7) (High pressure type: 15 to 145 (0.1 to 1))
		4 position dual 3 port		
Operating pressure +15 (+0.1) (Min. 36 (0.25))		-		
Ambient and fluid temperature		14 to 122°F (-10 to 50°C) (No freezing)		
Maximum Operating Frequency (Hz)	2 position single/double, 4 position dual 3 port	5	20	
	3 position	3	10	
	Pilot exhaust type		Main/Pilot valve common exhaust Pilot valve individual exhaust	
Lubrication		Not required		
Mounting orientation		Unrestricted	Single: Unrestricted Double/3 position: Main valve is horizontal	
Impact/Vibration resistance / m ²		150/30		
Flow rate characteristics (2 position single and double) Cv		0.9	0.7	

Solenoid specifications

Coil rated voltage (VDC)	24, 12	
Allowable voltage fluctuation	±10% of rated voltage	
Power consumption (W)	Standard	0.35 (With indicator light: 0.4)
	High pressure type, Quick response type	0.9 (With indicator light: 0.95)
	With power saving circuit	Standard: 0.1 (With indicator light only), High pressure type: 0.4 (With indicator light only)
Surge voltage suppressor	Diode (Varistor for non-polar type)	
Indicator light	LED	

Manifold specifications

Enclosure	IP69K rated
Number of stations	Max. 16 stations (32 solenoids)
Manifold option	Blanking plate SUP. / EXH. block disk
Manifold internal connection	Connector type
Electrical entry	Parallel wiring for bottom entry
Manual override	Non-locking push type
Manifold block width (mm)	23.9

One-touch fitting size of each port

Port size 4(A), 2(B)	6, 8, 10 mm
	1/4, 5/16, 3/8 inch
Port size 1(P), 3/5(R) SUP. / EXH. block	8, 10, 12 mm
	5/16, 3/8, 1/2 inch
Port size X, PE	4 mm
	5/32 inch



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