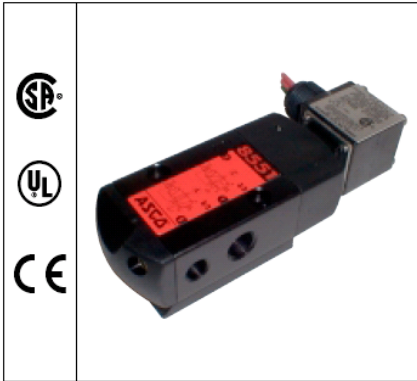




Solenoid Valve



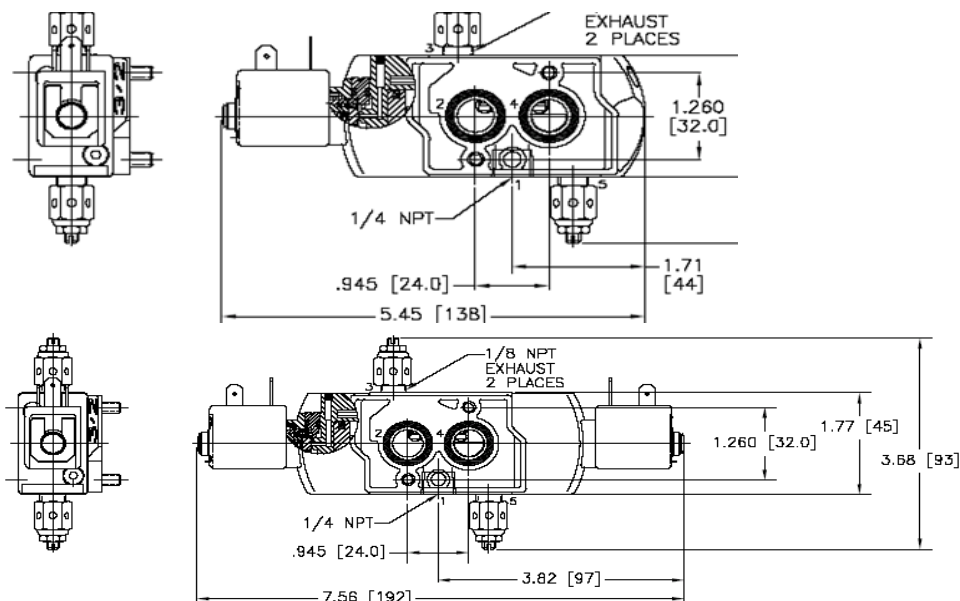
FLEXIBLE

NAMUR Mount construction. These valves have four or five pipe connections, commonly called ports. One pressure inlet, two cylinder ports providing pressure to double acting cylinder or actuator, and one or two outlets to exhaust pressure from the cylinders. Internally piloted solenoid valve with spool construction. Single or double solenoid, AC or DC with aluminum or 316 stainless steel bodies. Compact spool valve with threaded port connections. All exhaust ports are pipe able, providing better protection against harsh environments. Standard manual operator. DIN, Watertight and Explosion proof solenoids available. Single and dual coil constructions.

Mountable in any position. Pressure ratings of 35-150 psi. Nema 4, Nema 7 and intrinsically safe. Nema 4 din plug-in coil permits instant valve replacement variety of electrical connectors. Nema 4 solenoids class F insulation, continuous duty. Includes non-locking manual override. Three-way pilot uses full airline pressure to shift the valve spool. Pilot is internally supplied. Coil is hermetically sealed as an integral watertight molded unit.

Construction

Valve Parts in Contact with Fluid	
Body	Black Anodized Aluminum
Spring	Phosphate treated black steel
Shading Coil	Copper
Seals	NBR + PUR
Core and Core tube	Stainless Steel / Brass
End Covers and Plate	6/6 glass filled PA/PV
Spool	Aluminum
Internal Parts	Zamak, Steel, CA



PMP Precision Valve Company Ltd. is a progressive supplier of current products. The features, materials of construction and dimensional data as detailed in this bulletin are intended for your reference only, and should not be relied upon unless confirmed in writing by PMP Precision Valve Co. Ltd.. Certified dimensional drawings are available upon order receipt.



Solenoid Valve

TECHNICAL SPECIFICATIONS

Electrical

Standard Coil and Class of Insulation	Enclosure Type	Watt Rating and Power Consumption				Spare Coil Part Number	
		DC Watts	AC Watts	VA Holding	VA Inrush	AC	DC
F	SC	3	2.5	3.5	6	400125	400125
F	EF	6.9	6.3	7	10.1	266762	270007
F	WT	6.9	6.3	7	10.1	266763	270008

Standard Voltages: SC: 24, 120, 240 volts AC, 50-60 Hz; 12, 24, 120 volts DC.
 WT and EF: 24/50-60Hz, (120/60, 110-120/50)①, (240/60, 220-240/50)②
 volts AC; 6, 12, 24, 120 volts DC.
Notes: ① Order as 120/60, 110/50
 ② Order as 240/60, 220/50

Specifications (English units)

Pipe Size (ins.)	Orifice Size (ins.)	Cv Flow Factor	Pilot Pressure		Fluid Temperature °F (for single and dual solenoid)			Single Solenoid		Dual Solenoid		Watt Rating/ Class of Coil Insulation	
			Minimum	Maximum	Minimum	Maximum AC	Maximum DC	Catalog Number	Constr. Ref. No.	Catalog Number	Constr. Ref. No.	AC	DC
OPEN FRAME DIN COIL													
1/4 ①	1/4	.7	30	150	5	140	140	SC8551A1MS	1	SC8551A2MS	3	2.5	3
WATERTIGHT ENCLOSURE													
1/4 ①	1/4	.7	30	150	5	104	77	WT8551A1MS	2	WT8551A2MS	4	6.3	6.9
EXPLOSIONPROOF ENCLOSURE													
1/4 ①	1/4	.7	30	150	5	104	77	EF8551A1MS	2	EF8551A2MS	4	6.3	6.9

Note: ① 1/8 inch NPT exhausts.

Specifications (Metric units)

Pipe Size (ins.)	Orifice Size (mm)	Kv Flow Factor (m3/h)	Pilot Pressure (bars)		Fluid Temperature °C (for single and dual solenoid)			Single Solenoid		Dual Solenoid		Watt Rating/ Class of Coil Insulation	
			Minimum	Maximum	Minimum	Maximum AC	Maximum DC	Catalog Number	Constr. Ref. No.	Catalog Number	Constr. Ref. No.	AC	DC
OPEN FRAME DIN COIL													
1/4 ①	6.4	.6	2	10	-15	60	60	SC8551A1MS	1	SC8551A2MS	3	2.5	3
WATERTIGHT ENCLOSURE													
1/4 ①	6.4	.6	2	10	-15	40	25	WT8551A1MS	2	WT8551A2MS	4	6.3	6.9
EXPLOSIONPROOF ENCLOSURE													
1/4 ①	6.4	.6	2	10	-15	40	25	EF8551A1MS	2	EF8551A2MS	4	6.3	6.9

Note: ① 1/8 inch NPT exhausts.