

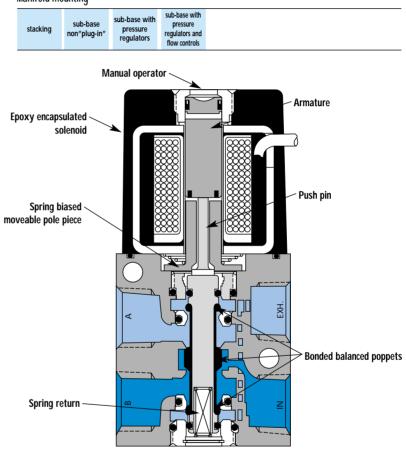
Mac_SolenoidValve_45_spec_D603

Direct solenoid and solenoid pilot operated valves

Individual mounting



Manifold mounting



SERIES FEATURES

- · Single and double solenoid or remote air.
- The patented MACSOLENOID $^{\mbox{\tiny \ensuremath{\$}}}$ for fastest possible response times.
- Bonded balanced poppets for high flow, precise repeatability, and consistent operation.
- Balanced poppet design permits versatility in pipping. Valves can be piped as 4-way, 3-way or 2-way, normally closed or normally open or can be used for vacuum, diverter or selector applications.
- Use on lube or non-lube service.
- Extremely high cycle rates.
- Extremely long service life due to unique poppet cushions.
- · Manual overrides as standard.
- Various solenoid enclosures and plug-in connectors
- Optional surge suppression available.
- Low wattage DC solenoids down to 1.8 watts.
- Patented MACSOLENOID® virtually burn-out proof on AC service.



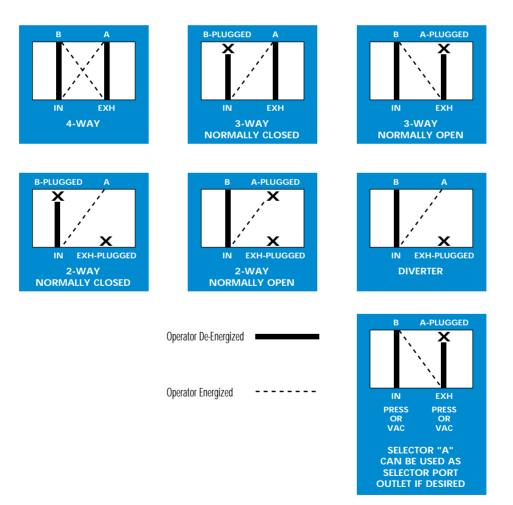


VALVE CONFIGURATIONS AVAILABLE

- 2-position single and double solenoid or remote air.
- Single pressure (4 or 5 ports)
- Individual, stacking and manifold base mounted models.
- Integral individual exhaust flow controls with common exhaust port.
- Integral regulators and flow controls on manifolds.

SPECIAL APPLICATIONS :

The balanced poppet design facilities using the same valve for many functions and can be used for pressure, vacuum or plugged without the necessity of changing any parts. Pipping suggestions are shown in the chart below.



Incline Port size Flow (Nax) Individual mounting M2 #10-32 - 1/8" 0.15 Cy Inter DECENTION Beakerd Second Solution of popel, immune to variations of pressare. Solution of pressare. <th>ERATIONAL BENEFITS Balanced poppet, immune to varia pressure. Short stroke with high flow. The patented solenoid develops high forces. Powerful return spring. Manual operator standard on all v Burn-out proof solenoid on AC server</th> <th>#10-32 - 1/8"</th> <th></th> <th></th>	ERATIONAL BENEFITS Balanced poppet, immune to varia pressure. Short stroke with high flow. The patented solenoid develops high forces. Powerful return spring. Manual operator standard on all v Burn-out proof solenoid on AC server	#10-32 - 1/8 "		
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	45A-XXX-D xxx-xxx			

- D-Sgl. oper. All ports
- F-Sgl. oper. "A" & "B" ports
- H-Dbl. oper. All ports
- J-Dbl. oper. "A" & "B" ports





Fluid :	Compressed air, vacuum, inert gases					
Pressure range :	Vacuum to 120 PSI					
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)					
Filtration :	40 µ					
Temperature range :	0°F to 120°F (-18°C to	o 50°C)				
Flow (at 6 bar, $\Delta P=1bar$) :	1.8 W : (0.1 C _ν), 5.4 W : (0.15 C _ν)					
Leak rate :	50 cm ³ /min					
Coil :	General purpose class A, continuous duty, encapsulated					
Voltage range :	-15% to +10% of nominal voltage					
Protection :	Consult factory					
Power :	~ Inrush : 10.9 VA	Holding : 7.7 VA				
	= 1.8 to 12.7 W					
Response times :	24 VDC (5.4 W)	Energize : 6 ms	De-energize : 2 ms			
	120/60	Energize : 3-8 ms	De-energize : 2-7 ms			

Spare parts :

• Solenoid operator (power ≥ 5.4 W) : DXXX-XXX, including mounting screws 35013.

Options :

- Seal (between solenoid and valve body) : 16402. - Valve cover plate with flow controls : N-45002.

• BSPP threads. • High flow up to 0.23 C_V, according to wattage and high flow Mod. • NAMUR interface - 45A-FA1DXXX-XXX and required NAMUR adapter kit: N-45028-03 (for 3-way operation) - N-45028-04 (for 4-way operation).

