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ASCO® Red-Hat®
BULLETIN
8349

INTEGRAL ADJUSTABLE FLOW CONTROLS
4 Way Solenoid Valves
Zinc Body • ¼" N.P.T.

General Description

These 4 way valves are actually two 3 way valves in a common body, able to operate simultaneously or independently of each other.

The flow through the pressure and exhaust connections can be independently controlled to regulate the speed of the piston in either direction. The adjustable flow controls also permit pressure and exhaust connections to be shut off while servicing the valve in line, if necessary.

Important: No minimum operating pressure required.

Specifications

Operation: Three types available:

(a) Three Position, 4 Ported Dual Solenoid 4 Way Valve with open (float) center position. Cylinder being controlled can be positioned manually because no pressure is applied to either side of the cylinder when coils are de-energized.

(b) Three Position, 4 Ported Dual Solenoid 4 Way Valve with pressure center position. Cylinder can shift quickly because energizing a coil will exhaust one side of the cylinder while the other side is still pressurized.

(c) Two Position, 4 Ported Dual Solenoid 4 Way Valve.

Valve Parts in Contact with Fluid:

Body — Die-Cast Zinc.

Seals and Discs — Buna "N."

Core Tube — 305 s.s.

Core and Plugnut — 430F s.s.

Springs — 17-7PH s.s. and 302 s.s.

Shading Coil — Copper.

Seat Insert and Disc Holder — Acetal.

Solenoid Enclosure: Type 1 — General Purpose.

Electrical: Standard Voltages:

24, 120, 240, 480 volts, AC, 60 Hz (or 110, 220 volts, AC, 50 Hz).

6, 12, 24, 120, 240 volts, DC.

Other voltages available when required.

Coil: Continuous Duty Molded Class A.

Temperature:

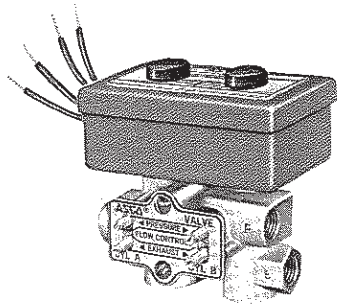
Fluid: 104°F.

Ambient: Nominal Range, 32°F. to 104°F. Refer to Engineering Section.

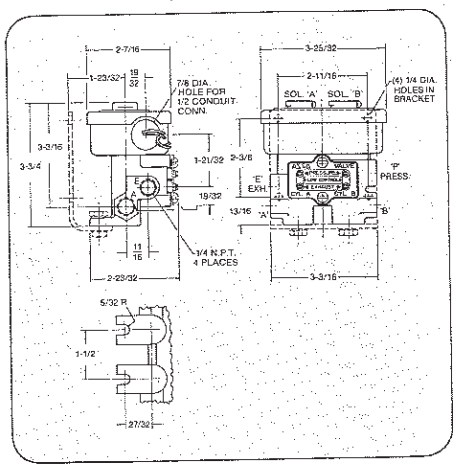
Installation:

Attitude: Mountable in any position without affecting operation.

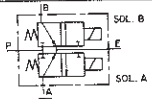
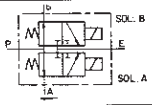
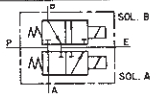
Approvals: UL listed and CSA certified. Refer to Engineering Section for details.



DIMENSIONS (in inches)



SPECIFICATIONS

	Pipe Size (ins.)	Orifice Size (ins.)	Cv Flow Factor	Maximum Operating Pressure Differential (psi) Air-Inert Gas AC	Maximum Operating Pressure Differential (psi) Air-Inert Gas DC	Maximum Fluid Temp. °F. AC	Maximum Fluid Temp. °F. DC	Type 1 General Purpose Solenoid Enclosure Catalog Number	Watt Rating/ Class of Coil Insulation AC	Watt Rating/ Class of Coil Insulation DC
THREE POSITION, 4 PORTED DUAL SOLENOIDS • Open (Float) Center										
	¼	3/64	.042	200	200	104	104	83491	6/A	9.7/A
		1/16	.073	125	125	104	104	83492	6/A	9.7/A
		3/32	.118	100	100	104	104	83493	6/A	9.7/A
		1/8	.160	40	40	104	104	83494	6/A	9.7/A
THREE POSITION, 4 PORTED DUAL SOLENOIDS • Pressure Center										
	¼	3/64	.042	200	200	104	104	83495	6/A	9.7/A
		1/16	.073	125	125	104	104	83496	6/A	9.7/A
		3/32	.118	100	100	104	104	83497	6/A	9.7/A
		1/8	.160	40	40	104	104	83498	6/A	9.7/A
TWO POSITION, 4 PORTED DUAL SOLENOIDS										
	¼	3/64	.042	200	200	104	104	83499	6/A	9.7/A
		1/16	.073	125	125	104	104	834910	6/A	9.7/A
		3/32	.118	100	100	104	104	834911	6/A	9.7/A
		1/8	.160	40	40	104	104	834912	6/A	9.7/A

ELECTRICAL INFORMATION

Standard Coil and Class of Insulation	Watt Rating and Power Consumption DC Watts	AC Watts	AC VA Holding	AC VA Inrush	Spare Coil Part No. AC	Spare Coil Part No. DC
A	9.7	6	15.6	24.6	96-619	103-832

OPTIONAL FEATURES

Many optional electrical and construction features are available, refer to Optional Feature Section.

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