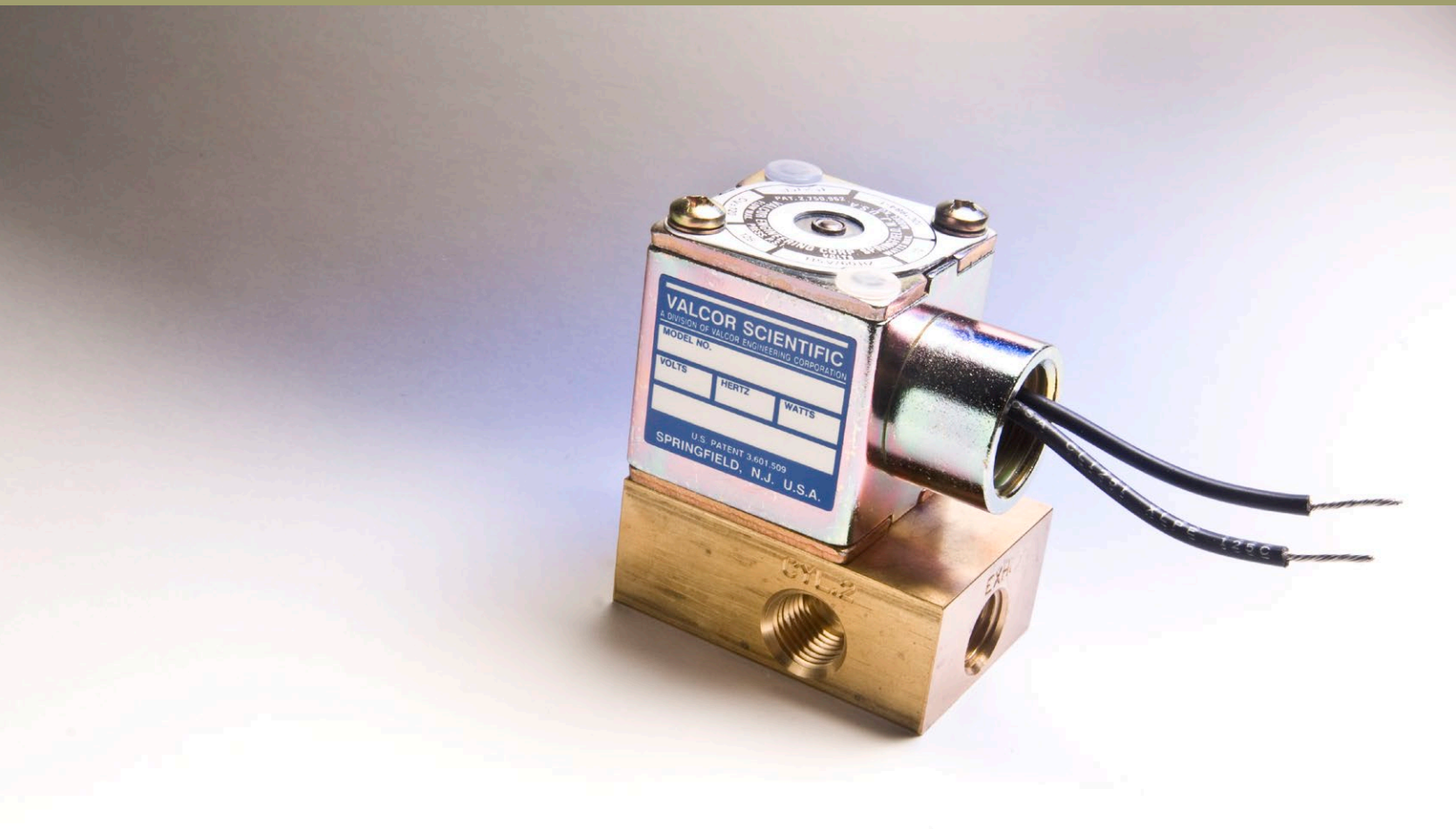
SV10

4-Way, 4 Ports, 2 Position
Direct Acting

Valcor General Purpose Series



DESCRIPTION

The SV10 series is a 4-way, direct acting, 4 port, 2-position solenoid valve. This valve design is primarily used for controlling double-acting air or hydraulic cylinders. No minimum pressure is required for operation, and less than 1 PSI pressure differential in the direction of flow is needed for bubble-tight sealing.

APPLICATIONS

The SV10 series is suitable for a broad range of light industrial applications including:

- Control of cylinders in packaging equipment
- Control of quarter-turn pneumatic actuator use in process control
- Control of air vanes or dampers

FEATURES

- Direct acting design is less prone to hanging up
- Floating seal wiping action is “self cleaning”
- Straight thru flow provides high Cv in small package
- Compact construction is ideal for tight installations

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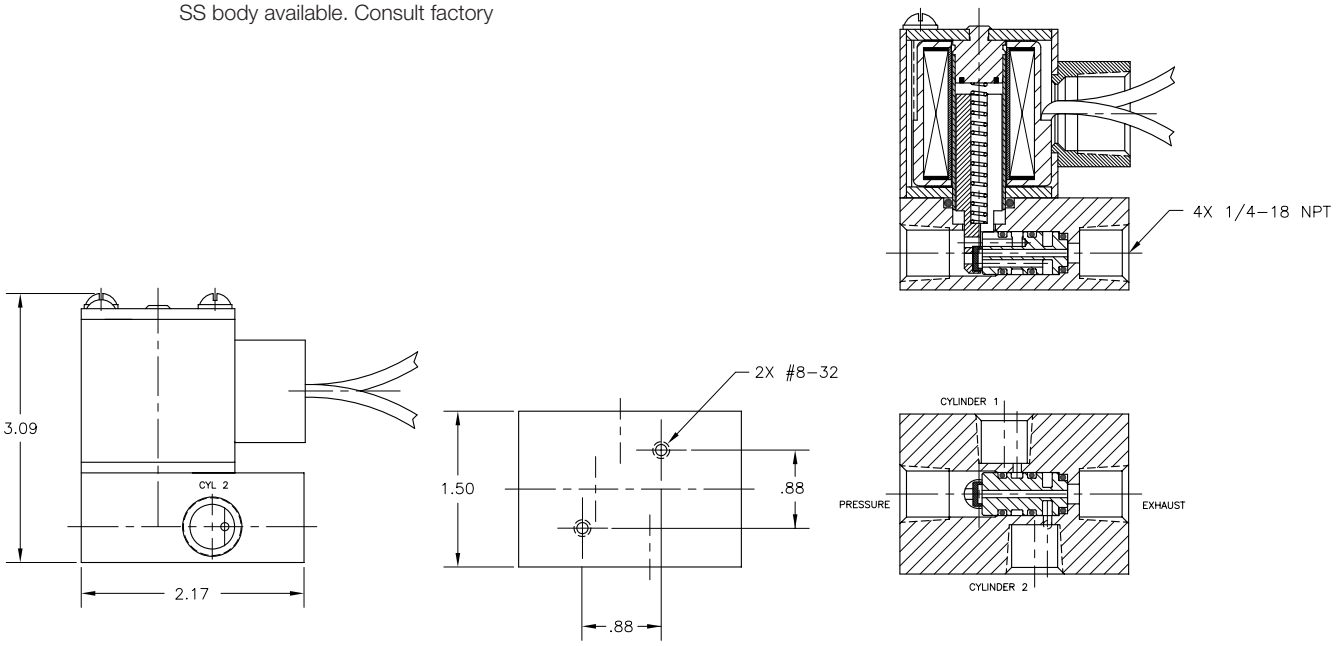
VALCOR SV10 SPECIFICATIONS

Construction

Valve Parts in Contact with Fluid	
Body	Brass
Shear Seal Disc	Delrin
O-ring	Neoprene
Plunger Tube	303 SS
Plunger	430F SS
Shading Coil	Silver
Plunger Stop	430F SS
Spring	303 SS
4-way seat	303 SS

Options: EPDM, Buna N or Viton O-ring available.
SS body available. Consult factory



Electrical

Standard voltages	115/60 AC & 24/VDC. Consult factory for other voltages
Standard coil housing	General purpose with 1/2" NPT conduit. Explosion proof and grommeted pigtails housing are also available. Consult factory. Replace 1st "C" in part number with "E" for explosion proof. Replace 1st "C" in part number with "G" for grommeted pigtails. Example: SV10E19B4-1 for explosion proof solenoid.

Specifications- 4 Ports, 2 Position, 4-Way valve

Port Size (NPT)	Orifice Size (ins.)	C_v Pressure Port to Cylinder	C_v Cylinder Port to Exhaust	Min. Pressure Differential (PSI)	Max. Operating Pressure (PSIG)		Model Number	Wattage	
					Gas	Liquid	Brass Body	115/ 60Hz	24/ DC
1/4	1/16	0.1	0.07	1	125	100	SV10C19B4-1	10	
1/4	1/16	0.1	0.07	1	125	100	SV10C56HB4-1		15

Optional o-rings are available by replacing the last digit of part number with "2" for Viton, "6" for Buna N, and "7" for EPDM

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