Series SV Solenoid Valve will electrically operate pneumatic actuators for on-off applications. When the solenoid valve receives the electrical input signal it switches the pneumatic supply pressure to the actuator, which moves the valve from the closed to open position. The next impulse to the solenoid valve will make the valve move back to the closed position. The low cost solenoid valve directly mounts onto pneumatic actuators with standard NAMUR mounting configuration eliminating external tubing and fittings. Buna-N O-rings are included to seal the valve ports to the side of the actuator. Standard features include a manual override, safety position by mechanical spring, and a NEMA 4X enclosure. Direct mounts onto NAMUR actuators.

**SPECIFICATIONS**

**Power Requirements:**
- 120 VAC, 240 VAC, 24 VAC, 24 VDC, or 12 VDC.

**Supply Pressure:**
- 20 psi (1.4 bar) to 120 psi (8.3 bar).

**Air Connections:**
- 1/4˝ female NPT.

**Temperature Limits:**
- -40 to 140°F (-40 to 60°C).

**Electrical Connections:**
- Screw terminal.

**Conduit Connection:**
- 1/2˝ female NPT.

**Enclosure Rating:**
- NEMA 4X (IP66).

**Mounting:**
- NAMUR VDI/VDE 3845.

**Standard Features:** Manual override, mechanical spring safety position.

**Optional Features:** Other power voltages.

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**Series PV Solenoid Pilot Valve**

Low Cost, Compact Design, For Use with SAV Angle Seat Valves

The Series PV three-way normally closed electro-pneumatic solenoid pilot valve can be direct mounted to operate the Series SAV Angle Seat Valves actuators. When the solenoid valve receives the electric input signal, it switches the pneumatic supply pressure to the actuator, which moves the valve from the closed to open position, or reversely for normally open valves. When the input to the solenoid valve stops, the pneumatic supply pressure is again blocked, and the valve returns to the normal position. Suitable for use with air or other inert gases, the valve is supplied with a DIN connector, and is fitted with a manual override. Water can also be used as a pilot media provided that a suitable drain line is attached to the exhaust outlet. Select the proper model according to the SAV valve actuator diameter and power requirements.

**SPECIFICATIONS**

**Pilot Media:**
- Air, water, or inert gases.

**Power Requirements:** See model chart.

**Wetted Materials:**
- Body: Niploy coated brass; Seal: FKM.

**Maximum Supply Pressure:**
- 150 psig (10.3 bar).

**Temperature Limits:**
- 14 to 140°F (-10 to 60°C).

**Actuator Connection:**
- PV1_: 1/8˝ BSP; PV2_, PV3_: 1/4˝ BSP.

**Pilot Media Connection:**
- 1/8˝ NPT.

** Coil Consumption:**
- PV1_: AC: 9A (res.), 14A (ind.); DC: 6A; PV3_: AC: 15A (res.), 30A (ind.); DC: 10A.

**Mounting:** Banjo connection.

**Enclosure Rating:** IP65 (with DIN connector).

**Standard Features:** Manual override, DIN connector.

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<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>SAV Actuator Diameter</th>
<th>A in (mm)</th>
<th>B in (mm)</th>
<th>C in (mm)</th>
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<tbody>
<tr>
<td>PV11</td>
<td>240 VAC</td>
<td>3-3/4˝</td>
<td>1-3/4 (31.8)</td>
<td>3-1/2 (77.0)</td>
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<td>PV12</td>
<td>120 VAC</td>
<td>2-1/2˝</td>
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<tr>
<td>PV13</td>
<td>24 VAC</td>
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<td>PV14</td>
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