**SV200 series**
5-port Pilot Type/Elastic Seal

**5-PORT /2-POSITION**

SV210

**5-PORT /3-POSITION**

SV230

SV240

SV250

- **Width 26 mm**
- **Large flow capacity - (Cv1.0)**
  
  Effective area 18 mm²
- **Low power consumption - 1.8W (DC)**
- **Various electrical entries**

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### SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SV210</th>
<th>SV220</th>
<th>SV230</th>
<th>SV240</th>
<th>SV250</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluid</td>
<td>Air or Inert Gases</td>
<td>Air or Inert Gases</td>
<td>Air or Inert Gases</td>
<td>Air or Inert Gases</td>
<td>Air or Inert Gases</td>
</tr>
<tr>
<td>Pressure range (kgf/cm²)</td>
<td>0.15–0.9 (1.5–9)</td>
<td>0.1–0.9 (1–9)</td>
<td>0.15–0.9 (1.5–9)</td>
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</tr>
<tr>
<td>Effective area (mm² (Cv))</td>
<td>18 (1.0)</td>
<td>18 (1.0)</td>
<td>14.4 (0.8)</td>
<td>14.4 (0.8)</td>
<td>14.4 (0.8)</td>
</tr>
<tr>
<td>Ambient and media temp.</td>
<td>Max. 50°C</td>
<td>Max. 50°C</td>
<td>Max. 50°C</td>
<td>Max. 50°C</td>
<td>Max. 50°C</td>
</tr>
<tr>
<td>Response time (s)</td>
<td>30 ms or less</td>
<td>50 ms or less</td>
<td>50 ms or less</td>
<td>50 ms or less</td>
<td>50 ms or less</td>
</tr>
<tr>
<td>Max. Cycles/Second</td>
<td>5 C/S</td>
<td>3 C/S</td>
<td>3 C/S</td>
<td>3 C/S</td>
<td>3 C/S</td>
</tr>
<tr>
<td>Lubrication</td>
<td>Not required</td>
<td>Not required</td>
<td>Not required</td>
<td>Not required</td>
<td>Not required</td>
</tr>
<tr>
<td>Manual override operation</td>
<td>Non-locking push type</td>
<td>Non-locking push type</td>
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<td>Non-locking push type</td>
<td>Non-locking push type</td>
</tr>
<tr>
<td>Shock/Vibration resistance</td>
<td>390 / 56 (8.3–2,000 Hz)</td>
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</tr>
<tr>
<td>Protective structure</td>
<td>Dust-proof</td>
<td>Dust-proof</td>
<td>Dust-proof</td>
<td>Dust-proof</td>
<td>Dust-proof</td>
</tr>
<tr>
<td>Coil rated voltage</td>
<td>AC 50 / 60 Hz 110V, 220V DC 12V, 24V</td>
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</tr>
<tr>
<td>Allowable voltage tolerance</td>
<td>-15%—+15% of rated voltage</td>
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<td>-15%—+15% of rated voltage</td>
<td>-15%—+15% of rated voltage</td>
</tr>
<tr>
<td>Coil insulation</td>
<td>Class B or equivalent (130°C)</td>
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</tr>
<tr>
<td>Value of temp. elevated</td>
<td>45°C or less (at rated voltage)</td>
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</tr>
<tr>
<td>Apparent power</td>
<td>AC 5.6 VA (50 Hz), 5.0 VA (60 Hz)</td>
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</tr>
<tr>
<td>Power consumption</td>
<td>DC 1.8W</td>
<td>DC 1.8W</td>
<td>DC 1.8W</td>
<td>DC 1.8W</td>
<td>DC 1.8W</td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>0.07</td>
<td>0.11</td>
<td>0.12</td>
<td>0.12</td>
<td>0.12</td>
</tr>
<tr>
<td>Indicator lamp</td>
<td>LED</td>
<td>LED</td>
<td>LED</td>
<td>LED</td>
<td>LED</td>
</tr>
</tbody>
</table>

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### HOW TO ORDER

SV 210 - 1 L

- **PORT SIZE RC(PT) 1/4**

- **CONFIGURATION**
  1. Single solenoid
  2. Double solenoid
  3. Closed center
  4. Exhust center
  5. Pressure center

- **COIL RATED VOLTAGE**
  1. AC 110V
  2. AC 220V
  3. DC 12V
  4. DC 24V

- **ELECTRICAL ENTRY**
  L Load wire
  D DIN terminal
  DL DIN terminal with lamp
  DS DIN terminal with lamp & surge suppressor
CONSTRUCTION / PARTS

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BODY</td>
<td>ADC-12</td>
</tr>
<tr>
<td>2</td>
<td>ADAPTER</td>
<td>ADC-12</td>
</tr>
<tr>
<td>3</td>
<td>END COVER</td>
<td>ADC-12</td>
</tr>
<tr>
<td>4</td>
<td>PILOT BODY</td>
<td>POLYACETAL</td>
</tr>
<tr>
<td>5</td>
<td>PILOT COVER</td>
<td>POLYACETAL</td>
</tr>
<tr>
<td>6</td>
<td>PISTON</td>
<td>POLYACETAL</td>
</tr>
<tr>
<td>7</td>
<td>SPPOOL</td>
<td>NBR</td>
</tr>
<tr>
<td>8</td>
<td>COIL ASS'Y</td>
<td></td>
</tr>
</tbody>
</table>

DIMENSIONS / 2-POSITION SINGLE

SV210-□ L
Lead Wire (L)

SV210-□ D/DL/DS
DIN Terminal (D, DL, DS)