The 10mm SRS Series Plastic Solenoid Valve converts a digital electrical signal into a digital pneumatic output. The SRS Valve is constructed of engineering thermoplastics and non-corrosive metals to exceed the specifications demanded by critical applications in the life sciences.

**Features**

- Design incorporates thermoplastics and non-corrosive metals.
- Offers high-density manifold mounting with convenient manifold to PC board interface.
- Weighs only 0.23 ounces; perfect where low weight is critical to overall system.

**Physical Properties**

- **Valve Type:** 3-Way, 2 Position (NO, NC, & Distributor)
- **Media:** Gases and select liquids
- **Operating Environment:** 0 to 55°C
- **Storage Temperature:** -40 to 70°C
- **Length:** 1.5 in [38.1 mm]
- **Width:** 0.394 in [10 mm]
- **Height:** 0.61 in [15.49 mm]
- **Porting:** Manifold mount; Gasket and screws supplied
- **Weight:** 0.23 oz [6.57 grams]
- **Internal Volume:** 0.0267 cm$^3$
- **Filtration:** 40 micron [recommended]
- **Lubrication:** None required

**Electrical**

- **Power:** 0.5, 1.0, or 2.0 Watts
- **Voltage:** 5, 12, 24 VDC + 10%

**Wetted Materials**

**Crystalline Plastics:**
- PBT; LNP Thermocomp®

**Elastomers:**
- FKM

**Non-Corrosive Metals:**
- 302 Series Stainless Steel; 430 FR Series Stainless Steel; CMI-B Core Iron; Electroless Nickel Plating

**Performance Characteristics**

- **Leak Rate:** <0.016 sccm (bubble tight)
- **Response:** <30 msec cycling (2 Watts)
- **Pressure:**
  - 0 to 85 psig [0.020” orifice]
  - 0 to 50 psig [0.030” orifice]
  - 0 to 20 psig [0.045” orifice]
- **Vacuum:** 0-27 in Hg
- **Orifice Sizes/Equivalent Cv:**
  - 0.020” / 0.0075 Cv
  - 0.030” / 0.017 Cv
  - 0.045” / 0.027 Cv

**Flow**

**SRS Typical Air Flow**

<table>
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- **0.045” Orifice**
- **0.030” Orifice**
- **0.020” Orifice**

Thermocomp® is a registered trademark of General Electric Company.
Universal Style Solenoid Valve

Order on-line at www.parkerfluidics.com

Miniature Solenoid Valves

Parker Hannifin Corporation
Pneutronics Division
www.parker.com/pneutronics
Rev. 06/2007

Sample Part ID

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<th>Material</th>
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<th>Voltage</th>
<th>Electrical Connection</th>
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NOTE: Not all versions available for on-line purchase. Please consult Parker Life Sciences for other considerations. For more detailed information, visit us on the Web, or call and refer to Performance Spec. #790-002090-001 and Drawing #890-003661-001.