BS Series – Higher Flow

- MOPD: 150 PSI (10 Bar)
- $C_v$ Range: 0.035 to 0.300 ($K_v$ Range: 0.030 to 0.256)
- 4.5 Watts (Plastic Body) or 7 Watts (Metal Body)

The BS Series is a 2-way, high flow, isolation valve that is designed to be virtually impervious to chemical attack and to protect high purity media. When your media cannot come in contact with any metallic materials, this highly versatile, modular valve delivers the protection you need for accurate and reliable flow control for millions of cycles. With a variety of body, and diaphragm materials, plus numerous port configurations, voltage options, and coil constructions, the BS Series is truly a miniature inert isolation valve that can be built to your exact applications requirements.

Typical Applications
- Remediation Equipment
- Clinical Chemistry Equipment
- Analytical Instrumentation

Dimensions

Threaded Port Body

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Body Port Configuration</th>
<th>Body Material*</th>
<th>Diaphragm Seal Material</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø0.99 (25.1)</td>
<td>1/8-27 NPT</td>
<td>Polypropylene</td>
<td>EPDM</td>
<td>28 VDC</td>
</tr>
</tbody>
</table>

Manifold Mount Body

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<tr>
<th>Dimensions</th>
<th>Body Port Configuration</th>
<th>Body Material*</th>
<th>Diaphragm Seal Material</th>
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</tr>
</tbody>
</table>

How To Order

Use the **Bold** characters from the choices listed on the following page to construct a product code.

**BS2035** - **W25** - **E** - **28VDC**

1. Primary Prefix
2. Coil Construction
3. Diaphragm Seal Material
4. Body Material*
5. Body Port Configuration*
6. Voltage
7. Additional Options*

* Blank entry indicates a "Standard" selection (1/8-27NPT female thread, in this case).

Example:

BS2035-W25-E-28VDC

2-Way N.C. Polypropylene (grommet housing, 1/8-27 NPT female thread only) solenoid valve, with 25° (63.5cm) tape-wrapped coil, lead-wires, non-standard length, EPR diaphragm seal, 1/8-27 NPT female thread, operating at 28 VDC.

SOLENOID VALVES

* Standard selection; will be used unless otherwise specified. Standard selections are not referenced in final part number.

BS Series / p2of2 / 19-SEP-17


Gems specializes in the design and manufacturing of custom solenoid valves and fluidic systems. If you don’t see what you’re looking for, or have a question, contact us at 800-378-1600 or info@gemssensors.com.