KS Series – 3/8˝ (9.53 mm) Solenoids

- 2-Way, Normally Closed
- MOPD: 20 PSIG (1.38 bar)
- Cₚ Range: 0.008 to 0.015
- 1.8 Watts

KS Series isolation valves are 2-way, Normally Closed (NC) valves featuring 0.38˝ (10 mm) solenoid shell diameters. The isolation valve design ensures that the only wetted parts are the valve diaphragm and the valve body. For exceptional chemical compatibility the KS Series utilizes PEEK or PPS bodies, with a choice of diaphragm materials to meet your specific needs.

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

KS201 - P - 4 - S1 - C203

<table>
<thead>
<tr>
<th>Primary Prefix</th>
<th>Diaphragm Material</th>
<th>Body Material</th>
<th>P</th>
<th>C</th>
<th>Coil</th>
<th>Internal Volume (µl)</th>
<th>MOPD*</th>
<th>Orifice (inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Side Ports</td>
<td>Bottom Ports</td>
<td>Manifold Mount</td>
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<tr>
<td>2</td>
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</tbody>
</table>

* Combination of Body Port Configuration and Port Thread; Manifold Mount (BM) does not use the Thread Size designator

**Example:**

KS201-P-4 S1-C203

Small 2-Way N.C. Perfluoroelastomer solenoid valve, with a Polyaryletheretherketone body and 1/4˝-28 UNF flat bottom threaded side ports, operating at 12 VDC.

Part Prefix Table

<table>
<thead>
<tr>
<th>Orifice (inch)</th>
<th>MOPD*</th>
<th>Cₚ</th>
<th>Internal Volume (µl)</th>
<th>Primary Prefix</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-WAY N.C.</td>
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<td>0.032</td>
<td>20</td>
<td>1.38</td>
<td>0.008</td>
<td>20</td>
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<tr>
<td>0.054</td>
<td>20</td>
<td>1.38</td>
<td>0.015</td>
<td>42</td>
</tr>
</tbody>
</table>

* Maximum Operational Pressure Differential

**Diaphragm Material**

T = PTFE Polytetrafluoroethylene
E = EPDM Ethylene Propylene Diene (M)
P = FFKM Perfluoroelastomer

**Body Material**

3 = PPS Polyphenylene Sulfide
4 = PEEK Polyaryletheretherketone

**Body Port Configuration**

BM = Manifold mount
S = Threaded side port
B = Threaded bottom port

Port Thread (Used in conjunction with Threaded Port Configurations)

1 = 1/4˝-28 UNF flat bottom (Standard)
2 = 10-32
3 = 5/16˝-24
4 = 1/8˝ NPT
5 = M6 X 1,0

**Coil**

C203 = 12 VDC
C204 = 24 VDC

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.