- 1" NPT
- Brass Body
- 2-Way Zero Differential Piloted Diaphragm
- Normally Open

<table>
<thead>
<tr>
<th>Materials</th>
<th>Seals:</th>
<th>Nitrile, Viton®, Ethylene Propylene</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orifice:</td>
<td>Pilot</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td></td>
<td>Main</td>
<td>Brass Ø 1&quot;</td>
</tr>
<tr>
<td>Electrical</td>
<td>Standard Housing:</td>
<td>Conduit (NEMA 1)</td>
</tr>
<tr>
<td>Optional Housings:</td>
<td>Watertight (NEMA 4), Junction Box. Contact GC Valves Customer Service for others.</td>
<td></td>
</tr>
<tr>
<td>Standard Voltages:</td>
<td>24, 120, 240 AC 60 Hz; 50 Hz available 12, 24 DC; Contact GC Valves Customer Service for Additional Voltages.</td>
<td></td>
</tr>
<tr>
<td>Voltage Tolerance:</td>
<td>±10% of applicable voltage</td>
<td></td>
</tr>
<tr>
<td>Coil Classes:</td>
<td>F, H</td>
<td></td>
</tr>
<tr>
<td>Standard Lead Length:</td>
<td>18 inch</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>Ambient (Nominal): 32°F to 125°F</td>
<td></td>
</tr>
<tr>
<td>Mounting Position:</td>
<td>Vertical and Upright</td>
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</tr>
<tr>
<td>Approvals* Agency:</td>
<td>UL Listed, UL Recognized, CSA Approved</td>
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</tr>
</tbody>
</table>

* Not available for all variations

**Dimensions/Weight**

| Weight (lbs.) | 5.1 |

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**S272 – 1" NPT, Brass Body, Normally Open**

### Valve Selection List

#### Normally Open

![Valve Diagram]

**Minimum Operating Pressure Differential (psi):**
- **Air/Gas:** AC, DC
- **Water:** AC, DC
- **Light Oil:** AC, DC
- **Steam:** AC, DC

**Maximum Air/Gas:** 125
**Water:** 125
**Light Oil:** 125
**Steam:** —

**Max Fluid Temp. °F:**
- EPR: 18.5
- Nitrile: 22.5
- Viton: 22.5
- Brass: 22.5

**Power Consumption (Watts):**
- EPR: 18.5
- Nitrile: 22.5
- Viton: 22.5
- Brass: 22.5

#### Energized
- Model Code: 120V/60HZ — 110V/50HZ

#### De-Energized
- Model Code: 120V/60HZ — 110V/50HZ

*Class H Coil Recommended for Steam and Other High Temperature Applications*

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### Part Numbering

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
</tr>
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<tbody>
<tr>
<td>S</td>
<td>2</td>
<td>7</td>
<td>2</td>
<td>A</td>
<td>F</td>
<td>0</td>
<td>2</td>
<td>C</td>
<td>5</td>
<td>F</td>
<td>G</td>
<td>9</td>
</tr>
</tbody>
</table>

**Series:** S27
**Operating Mode:** 2: Normally Open
**Housing:** A: Conduit
**Coil Class:** F: Class F
**Voltage:** 02: 120/60 110/50
**Seal Material:** C: EPR
**Body Material:** N: Nitrile
**Pipe Connection:** V: Viton
**Orifice Size:** 5: Brass

* See the "Engineering Guide" for additional voltages, variations and options.

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### Coil Data

<table>
<thead>
<tr>
<th>Coil Family</th>
<th>Size</th>
<th>Frequency (Hz)</th>
<th>Nominal Power (VA)</th>
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<tbody>
<tr>
<td>Type</td>
<td>All</td>
<td>S5</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>50</td>
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</tbody>
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1-B-272-2