**XVG1.5 / XVG2.0 Gas fuel control valve series**

**5002801, 5003131**

One and a half and two inch gas fuel metering valves. Programable calibration with XView application software

Meggitt’s XVG (next generation gas valve) offers the latest technology in flow control, contamination resistance and precision control over a wide flow range. Using integrated sensors, this flow-through design automatically compensates for variations in pressure and temperature, providing the precise fuel flow needed for varying conditions. Valve feedback is measured in terms of fuel flow, not valve position, and is especially suited for dry low emissions (DLE) applications. The valve is customizable for a variety of applications for flow versus demand, allowing closed-loop fuel control. The XVG1.5 has a 1.5” interface, and the XVG2.0 has a 2.0” interface. Both are available in aluminum and stainless steel.

**Key features**
- 1-10 MW applications.
- Operate engines with optimized performance and efficiency.
- Accurate and reliable fuel flow.
- Programable calibration for a variety of applications.
- Configuration software provided.
- Wide operating temperature range.
- Fail-safe operation.
- Certified for hazardous area environments.
- Increased safety integrity level (SIL).

**Specifications**

<table>
<thead>
<tr>
<th>Function</th>
<th>All electric gas fuel control valve</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application</td>
<td>1 to 10 MW gas turbine</td>
</tr>
<tr>
<td>Physical size</td>
<td>XVG1.5: 5.80” flange-to-flange, 9.08” high</td>
</tr>
<tr>
<td></td>
<td>XVG2.0: 7.70” flange-to-flange, 9.08” high</td>
</tr>
<tr>
<td>Weight</td>
<td>XVG1.5: 36 lbs aluminium, 74 lbs stainless steel</td>
</tr>
<tr>
<td></td>
<td>XVG2.0: 38 lbs aluminium, 82 lbs stainless steel</td>
</tr>
<tr>
<td>Flange type</td>
<td>XVG1.5 SAE J518–24, code 61 / XVG2.0 SAE J518–32, code 61</td>
</tr>
<tr>
<td>Line pressure</td>
<td>XVG1.5: 435 psig max., XVG2.0: 500 psig max</td>
</tr>
<tr>
<td>Fuel temperature</td>
<td>-40°F to 200°F</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>-40°F to 200°F</td>
</tr>
<tr>
<td>Control/feedback interfaces</td>
<td>0 to +5 VDC, 1 to +5 VDC, 4 to 20 ma</td>
</tr>
<tr>
<td>Performance</td>
<td>XVG1.5: 0.49 CdA, XVG2.0: 0.60 CdA</td>
</tr>
<tr>
<td>Operating time</td>
<td>&lt;100 msec (10% to 90% stroke)</td>
</tr>
<tr>
<td>Electrical</td>
<td>Input voltage 24 VDC nominal</td>
</tr>
<tr>
<td></td>
<td>Current &lt;2 A typical, 5 A max</td>
</tr>
<tr>
<td>Certifications</td>
<td>CSA, CE, ATEX</td>
</tr>
</tbody>
</table>

**Meggitt Control Systems**

Our product competencies and services:
- Aerospace valves
- Thermal management solutions
- Electromechanical products
- Ducting
- Ground fuelling products

Aftermarket services | Safety systems

Meggitt's XVG (next generation gas valve) offers the latest technology in flow control, contamination resistance and precision control over a wide flow range. Using integrated sensors, this flow-through design automatically compensates for variations in pressure and temperature, providing the precise fuel flow needed for varying conditions. Valve feedback is measured in terms of fuel flow, not valve position, and is especially suited for dry low emissions (DLE) applications. The valve is customizable for a variety of applications for flow versus demand, allowing closed-loop fuel control. The XVG1.5 has a 1.5” interface, and the XVG2.0 has a 2.0” interface. Both are available in aluminum and stainless steel.
XVG1.5 / XVG2.0 Gas fuel control valve series

5002801, 5003131

Contact

Meggitt Control Systems
12838 Saticoy Street
North Hollywood CA 91605
USA
Tel: +1 818 765 8160
Fax: +1 818 759 2194

Meggitt Control Systems
11661 Sorrento Valley Road
San Diego CA 92121
USA
Tel: +1 858 792 3261
Fax: +1 858 792 3200

www.meggitt.com