

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

5002801, 5003131

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



Key features

- 1-10 MW applications.
- Operate engines with optimized performance and efficiency.
- Accurate and reliable fuel flow.
- Programmable 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).

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.

Specifications

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

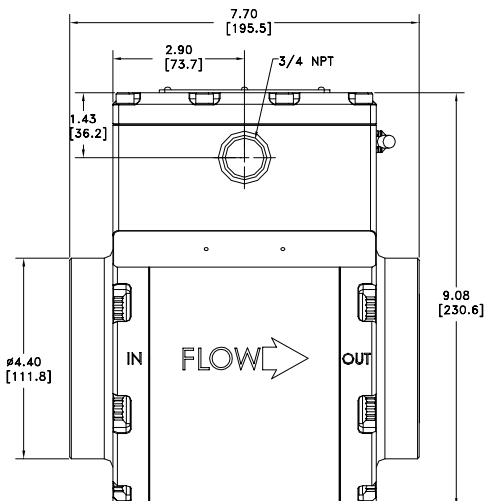
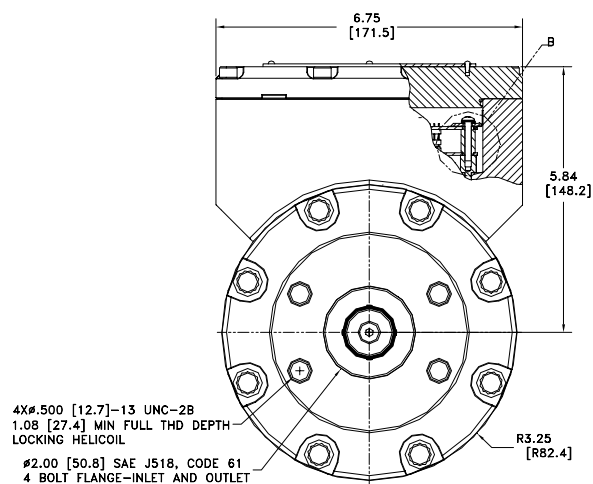
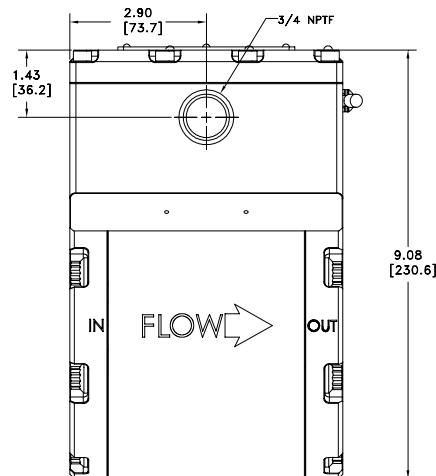
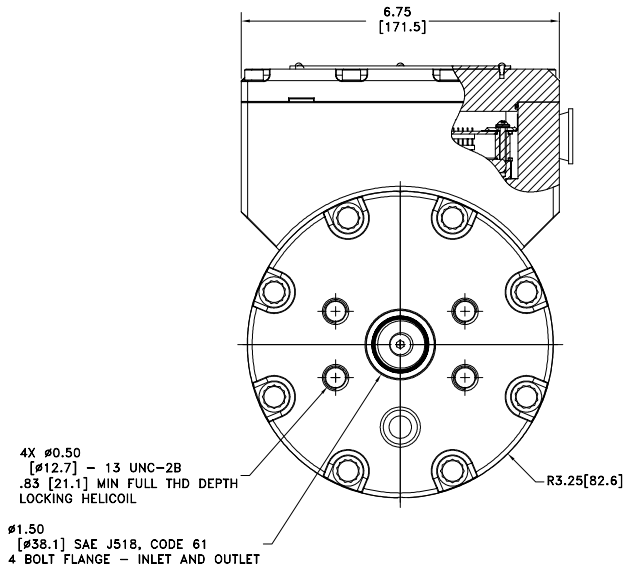
Meggitt Control Systems

Our product competencies and services:
Aerospace valves | Thermal management solutions | Electromechanical products | Ducting | Ground fuelling products | **Industrial controls**
Aftermarket services | Safety systems

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smart engineering for
extreme environments

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