

## RGV1.0 / RGV2.0 Rotary gas valve series

# 5004536, 5004809

One, one and a half and two inch all-electric rotary actuated gas valves. Available in multiple valve sizes and options.



Meggitt's RGV all-electric rotary actuated gas valves offer precision control over a wide flow range. The RGV actuation mechanism utilizes robust, compact planetary gearing to offer highly reliable and smooth operation for the life of the product. The segmented ball valve's rugged metal seal provides high-temperature capability as well as a class IV leakage rating in both the forward and reverse flow directions. The shearing action of the seal affords exceptional contamination resistance for long lasting seal integrity. The valve integrates a fail-safe spring, and is designed to fail closed in a loss of power condition. Available in multiple valve sizes and options.

### Specifications

	RGV1.5	RGV2.0
Function	All electric gas fuel metering valve	
Application	30+ MW gas turbine	30+ MW gas turbine
Physical size	6.6" x 8.5" x 22.8"	7.6" x 9.3" x 29"
Weight	84 lbs	135 lbs
Flange type	flangeless valve that mates with ASME Class 600 RF	
Line pressure	1060 psig max	1060 psig max
Fuel temperature	-40°F to +400°F	-40°F to +400°F
Ambient temperature	-40°F to 200°F	-40°F to 200°F
Control/feedback interfaces	4 to 20 mA	4 to 20 mA
Discrete inputs/outputs	+24 VDC nominal	+24 VDC nominal
<b>Performance</b>		
Flow	71 CV	122
Operating time	<100 msec	<110 msec
<b>Electrical</b>		
Input voltage	120 VDC nominal	120 VDC nominal
Current	<1 A typical, 25 A max	<4 A typical, 45 A max
Certifications	CSA, CE, ATEX, PED, NACE	

### Key features

- 30+ MW gas turbine applications.
- V-ball valve design mitigates issues with fuel contamination.
- Designed for low BTU gaseous fuel applications.
- Precision control over a wide flow range.
- Provides accurate and stable fuel flow control.
- Operates under varying supply pressures, contamination levels, and gas conditions.
- Wide operating temperature range.
- Certified for hazardous area environments.
- Fail-safe operation.

## Meggitt Control Systems

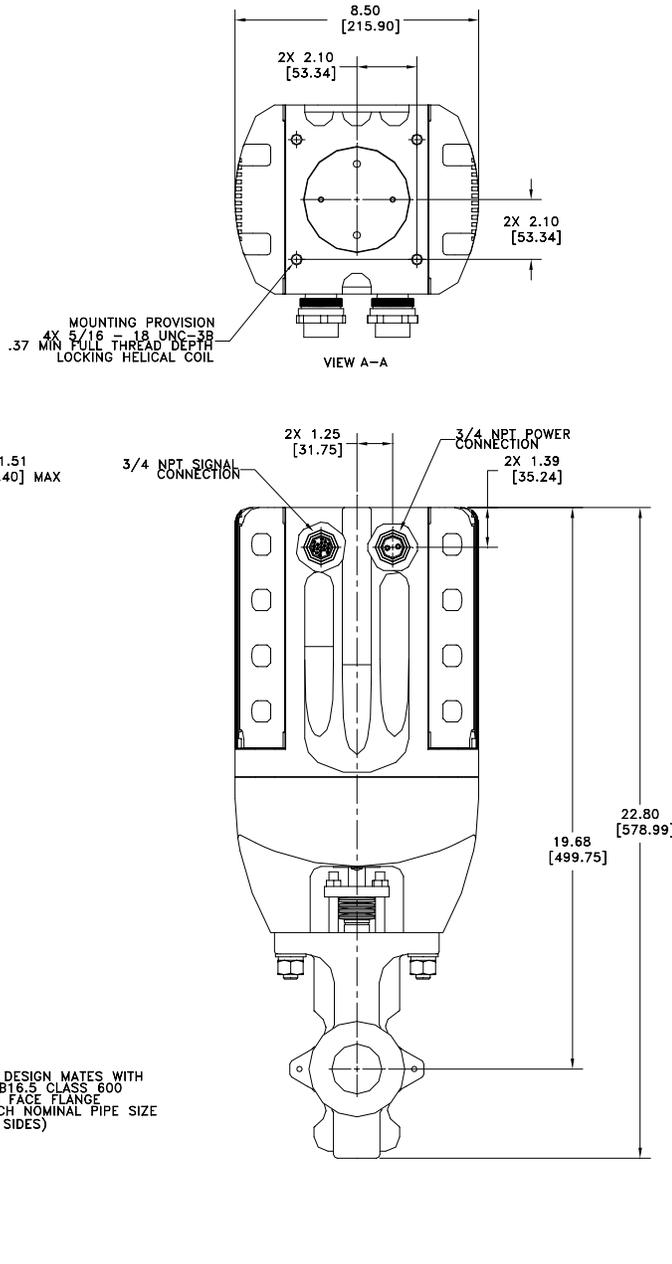
Our product competencies and services:  
Aerospace valves | Thermal management solutions | Electromechanical products | Ducting | Ground fuelling products | **Industrial controls**  
Aftermarket services | Safety systems

**MEGGITT**  
smart engineering for  
extreme environments



## RGV1.0 / RGV2.0 Rotary gas valve series

# 5004536, 5004809



### 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](http://www.meggitt.com)

## 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

**MEGGITT**  
smart engineering for  
extreme environments