

## Energy products

# Gas metering valve C421895

Three-inch flange, 90 to 140 vdc,  
electromechanically actuated (EMA)



Meggitt's three-inch globe style gas metering valve is designed for use on a variety of industrial gas turbines. This product utilizes the same high reliability features as all Meggitt electric gas metering valves.

### Specifications

<b>Function:</b>	Precision fuel gas metering for aero-derivative turbine engine control
<b>Physical size:</b>	12.5" flange to flange, 9.78" wide, 28" high
<b>Weight:</b>	120 pounds
<b>Flange type:</b>	3" ANSI B16.5 CL 600 raised face flanges
<b>Line pressure:</b>	0 to 350 psia
<b>Fluid temperature:</b>	32 to 300°F
<b>Ambient temperature:</b>	-65 to 150°F
<b>Performance:</b>	
<b>Flow:</b>	Linearly proportional to valve stroke
<b>Internal leakage:</b>	ANSI class IV
<b>Operating time:</b>	175 msec full stroke response, 150 msec 50% step response, 300 msec fail-safe closed (power loss)
<b>Electrical:</b>	
<b>Motor:</b>	Steady state, 90 to 140 VDC, 0.50 amperes; 10 amperes maximum transient (100 msec)
<b>Resolver:</b>	4 VAC, 25 to 60 ma maximum
<b>Closed position indicating switch:</b>	SPDT
<b>Thermostat:</b>	Opens at 329 to 347°F; resets at 251 to 270°F

### Key features

- Accuracy,  $\pm 3\%$  of flow point
- High speed brushless DC servo motor performance, 20 Hz frequency response
- 175 msec full stroke response time
- Used on both DLE and SAC turbine engines
- Explosion proof design, CSA/UL certified for NEC class 1, division 1, groups C and D, temp code T4, CE EExd IIB, Zone 1, CE-ATEX certified
- All stainless steel valve and yoke materials for NACE compliance
- No maintenance required under normal conditions

## Meggitt Control Systems

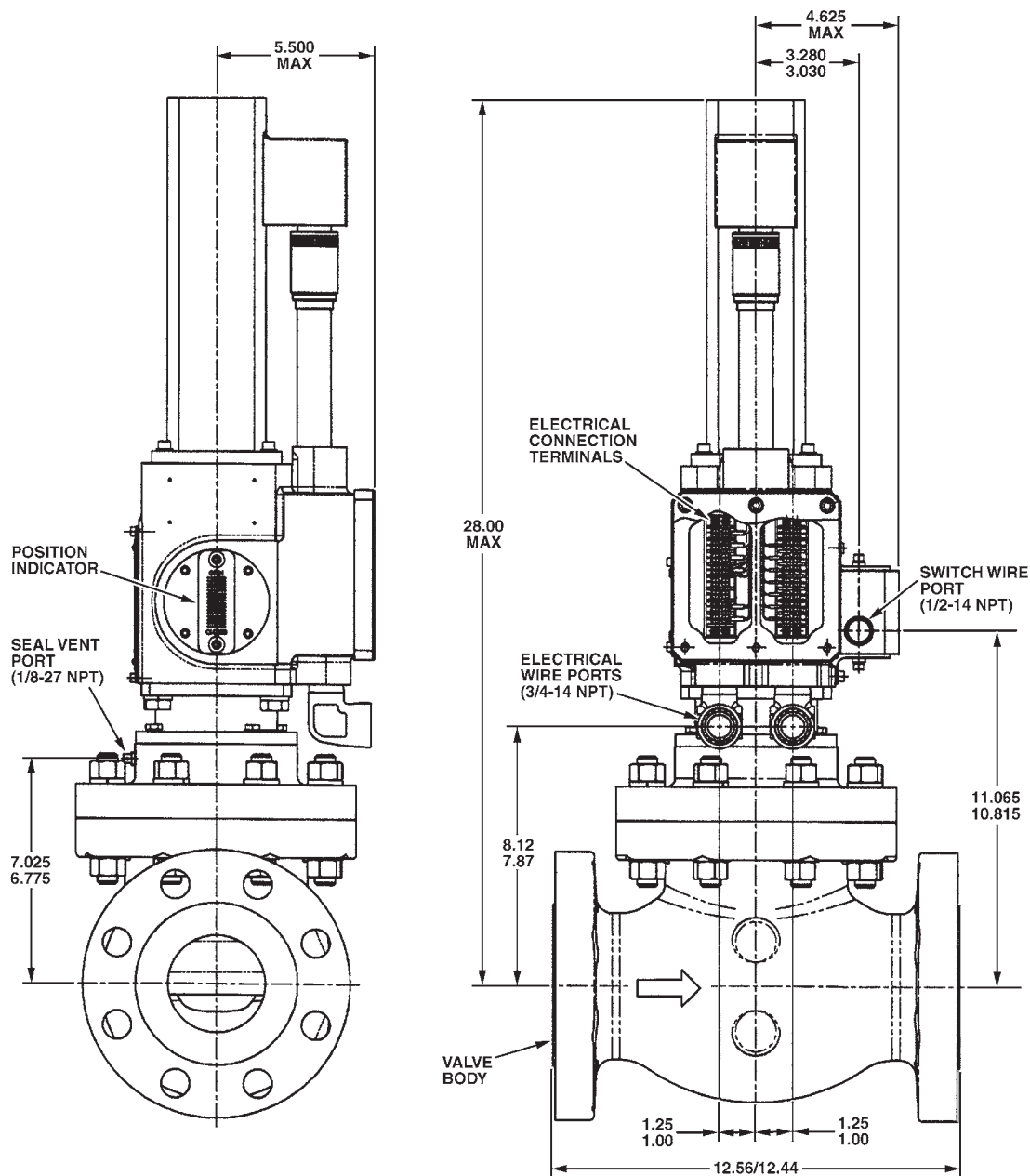
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Aerospace valves | Thermal management solutions | Environmental control systems | Electro-mechanical products  
Ground fueling products | **Energy products** | Aftermarket services

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smart engineering for  
extreme environments

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Key dimensions



NOTE: DIMENSIONS SHOWN ARE IN INCHES

Contact

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