

Energy products

Gas metering valve

C422485

Two-inch flange, 150 to 200 vdc,
electromechanically actuated (EMA)



Meggitt's two-inch globe style gas metering valve is in use on a variety of industrial gas turbine engines. With millions of field operating hours, this design continues to prove the high reliability of Meggitt EMA technology.

Specifications

Function:	Precision fuel gas metering for aero-derivative turbine engine control
Physical size:	11.23" flange to flange, 23" high
Weight:	85 pounds
Flange type:	2" ANSI B16.5 CL 600 raised face flanges
Line pressure:	100 to 1120 psig
Fluid temperature:	32 to 300°F
Ambient temperature:	-65 to 158°F
Performance:	
Flow:	0 to 10.5 pounds/sec natural gas
Pressure drop:	20 psid maximum (10.5 pounds/sec, 500 psig)
Internal leakage:	ANSI class IV
Operating time:	120 msec full stroke response, 300 msec fail-safe closed
Electrical:	
Motor:	Steady state, 75 watts, 150 to 200 VDC, 0.30 amperes; 8 amperes maximum peak (100 msec)
Resolver:	4 VAC, 25 to 60 ma maximum
Closed position indicating switch:	28 VDC, 2 wire SPDT
Thermostat:	Opens at 329 to 347EF; resets at 252 to 269EF Actuator also available in 90 to 130 VDC version

Contact your local Meggitt representative or Meggitt directly for technical information not listed in the technical section of this catalog.

Key features

- Accuracy, $\pm 3\%$ of flow point
- High speed brushless DC servo motor performance, 20 Hz frequency response
- 120 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, ATEX and PED certified
- All stainless steel valve and yoke materials for NACE compliance
- No maintenance required under normal conditions

Meggitt Control Systems

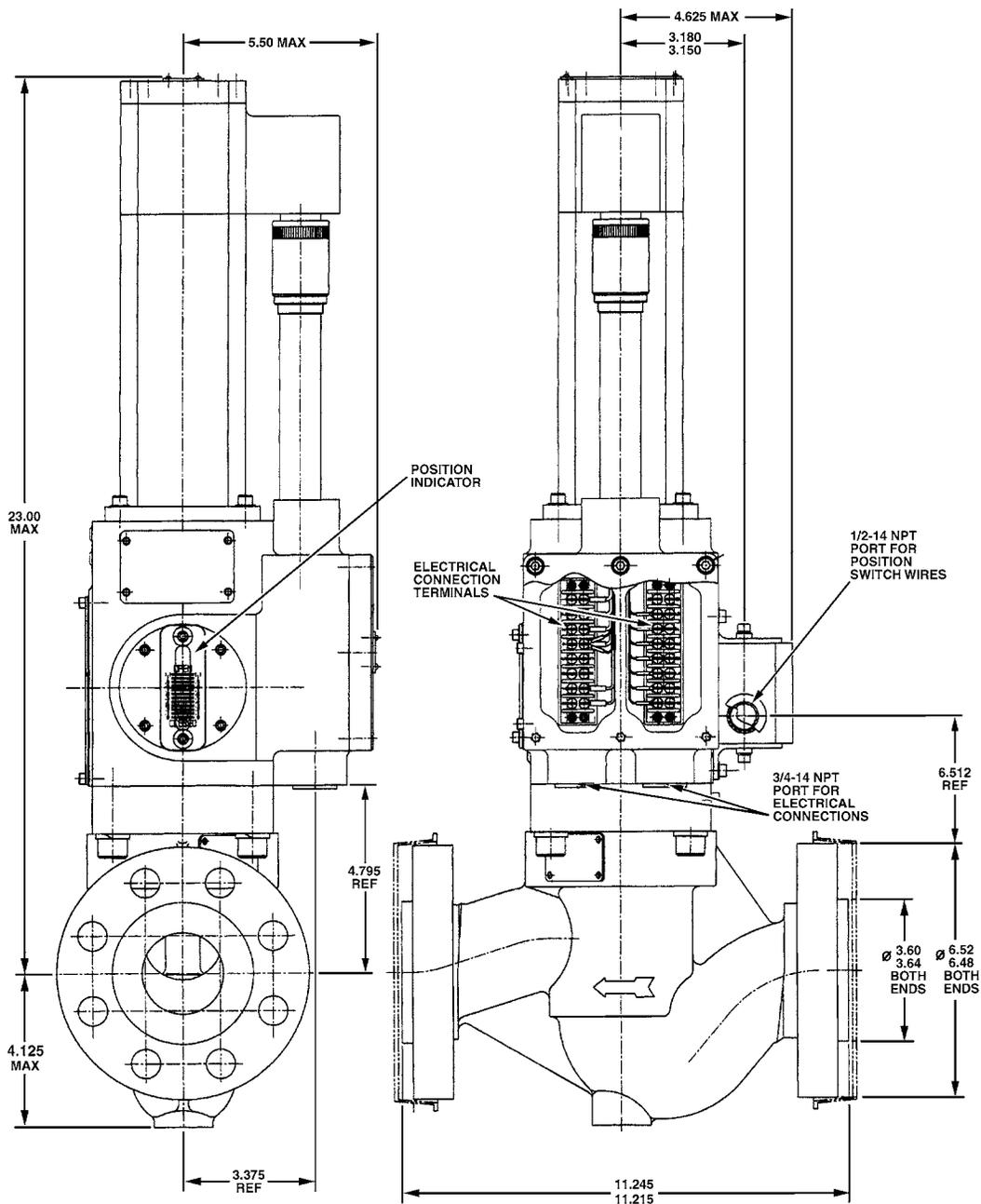
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Aerospace valves | Thermal management solutions | Environmental control systems | Electro-mechanical products
Ground fueling products | **Energy products** | Aftermarket services

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smart engineering for
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Key dimensions



Contact

Meggitt Controls

12838 Saticoy St
North Hollywood
California 91605-3505
USA

Telephone: (818) 765-8160
FAX: (818) 759-2194

www.meggitt.com

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