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 347°F; resets at 252 to 269EF
Actuator also available in 90 to 130 VDC version

Key features

- Accuracy, ±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

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