Meggitt’s 1½-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:** 9.88” flange to flange, 23” high

**Weight:** 75 pounds

**Flange type:** 1.5” ANSI B16.5 CL 600 raised face flanges

**Line pressure:** 100 to 1120 psig

**Fluid temperature:** 0 to 300°F

**Ambient temperature:** -40 to 158°F

**Performance:**

- **Flow:** Linear trim, 0 to 4.0 pounds/sec natural gas, Cv = 40
- **Pressure drop:** 25 psid maximum (3.5 pounds/sec, 500 psig)
- **Leakage:** ANSI class IV
- **Operating time:** 100 msec full stroke response, 300 msec fail-safe closed

**Electrical:**

- **Motor:** Steady state, 75 watts, 150 to 200 VDC, 0.30 amperes; peak (100msec); 1200 watts, 8 amperes maximum
- **Resolver:** 4 VAC, 25 to 60 ma maximum
- **Position switch:** 20 to 32 VDC, SPDT

Actuator also available in 90 to 130 VDC version

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**Key features**

- Exceptional accuracy, ±1% of flow point
- High speed brushless DC servo motor performance, 20 Hz frequency response
- 100 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 zone 1, EExd IIB, CE-ATEX and PED certified
- All stainless steel valve and yoke materials for NACE compliance
- No maintenance required under normal conditions
Energy products

Gas metering valve
C422855

Key dimensions

Contact

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Meggitt Control Systems

Our product competencies & services:
Aerospace valves  |  Thermal management solutions  |  Environmental control systems  |  Electro-mechanical products
Ground fueling products  |  Energy products  |  Aftermarket services