Meggitt’s spool and sleeve style liquid fuel metering valves are in use on a variety of aero-derivative gas turbines. With many years of successful field operation, this design demonstrates the reliability of Meggitt EMA technology.

Specifications

Function: Precision liquid fuel metering for aero-derivative turbine engine control

Physical size: 14.79” x 6.00” x 21.75” high

Weight: 60 pounds

Fluid connection type: 1.5” pipe, code 61, SAE J518

Line pressure: 100 to 1500 psig

Fluid temperature: –4 to 176°F

Ambient temperature: –40 to 158°F

Performance:

Flow: Linear trim, 0 to 85 gpm

Drain bypass flow: 125 gpm maximum

Operating speed: Less than 200 msec full stroke response

Internal leakage: 0.425 gpm or less at 100 psid

Electrical:

Motor: Steady state, 150 to 200 VDC, 0.50 ampere; 10 amperes maximum transient for 100 msec

Resolver: 4 VAC, 25 to 60 ma maximum

Closed position indicating switch: 20 to 32 VDC, SPDT

Key features

- Accuracy, ±5% at 3.0 to 85 gpm
- High speed brushless DC servo motor performance, 20 Hz frequency response
- 200 msec full stroke response time
- Used on SAC and dual fuel turbine engines
- UL certified for NEC class 1, division 1, groups C and D, temp code T4, CE-PED certified; ATEX zone 1, group IIIB, EExd T4; IP54
- All stainless steel valve and yoke materials for NACE compliance
- No maintenance required under normal conditions

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
Energy products

Liquid metering valve
C236765

Key dimensions

Contact

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