Energy products

Liquid metering valve
C236385

One-inch tube size, 150 to 200 vdc, electromechanically actuated (EMA)

Meggitt’s one-inch spool and sleeve style liquid fuel metering valve is in use on several aero-derivative gas turbines. With many years of successful field operation, this design demonstrates the precision of Meggitt EMA technology.

Specifications

Function: Precision liquid fuel metering for aero-derivative turbine engine control
Physical size: 12.1” x 6.00” x 19.33” high
Weight: 60 pounds
Fluid connection type: 1” pipe, code 61, SAE J518
Line pressure: 0 to 1440 psig
Fluid temperature: 32 to 176°F
Ambient temperature: −40 to 180°F

Performance:
Flow: Linear trim, 0 to 57 gpm
Operating speed: Less than 200 msec full stroke response
Internal leakage: 0.75 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 57 gpm
- High speed brushless DC servo motor performance, 20 Hz frequency response
- 200 msec full stroke response time
- Used on SAC turbine engines
- UL certified for NEC class 1, division 1, groups C and D, temp code T4, CE-PED certified
- 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

MEGGITT
smart engineering for extreme environments
Energy products

Liquid metering valve
C236385

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

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