Energy products

Gas metering valve
C422845

Two-inch flange, 90 to 140 vdc, electromechanically actuated (EMA)

Meggitt’s two-inch right angle style gas metering valve is in use on a variety of aero-dirivative gas turbines. With millions of field operating hours, this design continues to prove the high reliability of Meggitt EMA technology.

Specifications

| Function: | Precision fuel gas metering valve for aero-derivative, small and large frame turbine engine contro |
| Weight: | 95 lbs maximum |
| Flange: | 2” ANSI B16.5 CL 600 |
| Line pressure: | 0 to 700 psia |
| Fluid temperature: | -40 to 300°F |
| Ambient temperature: | -65 to 220°F |

Performance:

| Internal leakage: | 15 pph max at 700 psia |
| Operating time: | Less than 400 msec full stroke response, full open of fully closed |

Electrical:

| Motor: | Steady state, 90 to 140 VDC, 0.30 ampere; 70 amperes maximum peak |
| Resolver: | 4 VAC, 25 to 60 ma maximum |
| LVDT: | Excitation, 707 (±0.14) Vrms, 3000 (±300) Hz |
| Thermostat: | Opens at 329 to 347°F, resets at 251 to 270°F |

Key features

- Exceptional accuracy, ±1% of flow point
- Fail-safe closed
- High speed brushless DC servo motor performance
- Less than 400 msec full stroke response time
- All stainless steel valve and yoke materials for NACE compliance
- No maintenance required under normal conditions
- Explosion proof design, CSA/UL certified for NEC class 1, division 1, groups C and D, temp code T4, CE Exd IIB, T4, CE-ATEX and PED certified

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

Gas metering valve
C422845

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