

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-derivative 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 control
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 EExd IIB, T4, CE-ATEX and PED certified

Meggitt Control Systems

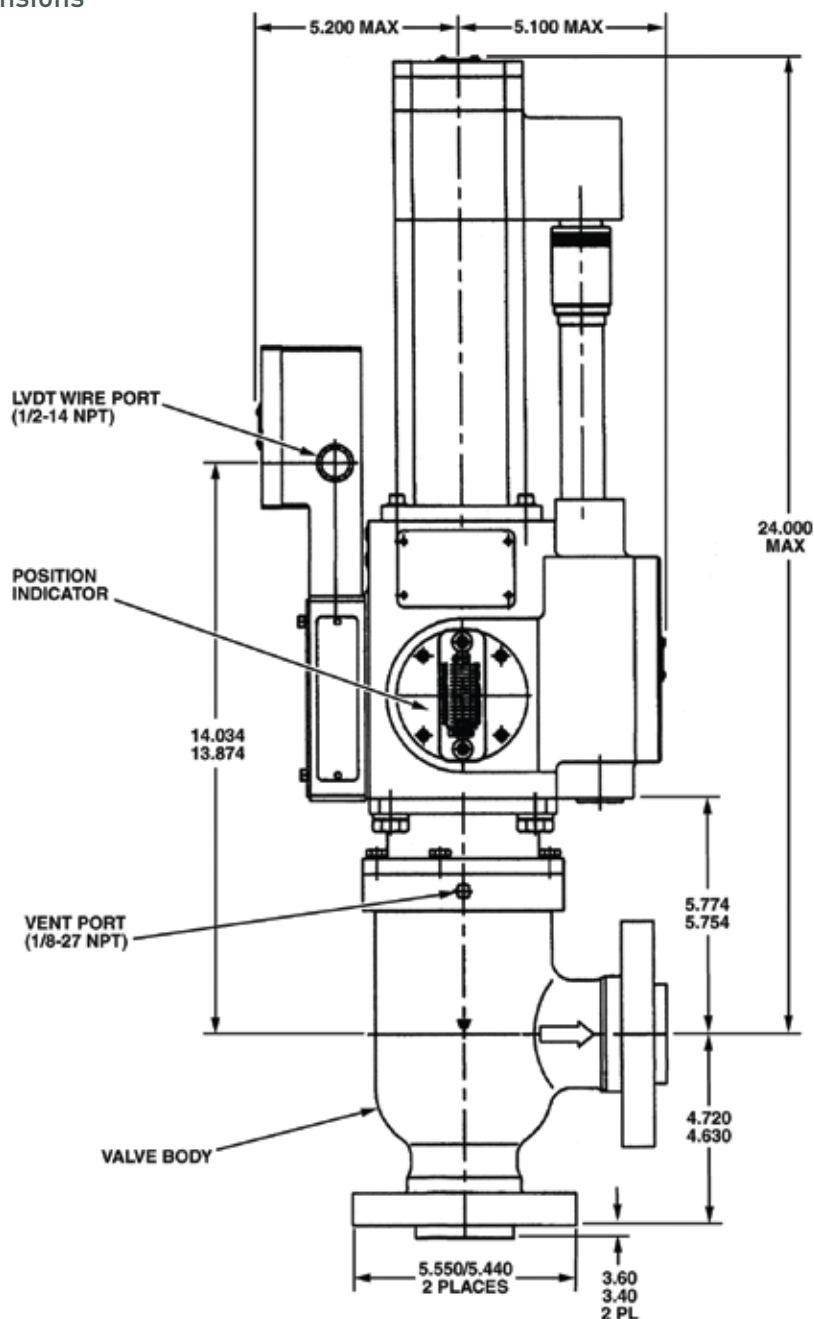
Our product competencies & services:
 Aerospace valves | Thermal management solutions | Environmental control systems | Electro-mechanical products
 Ground fueling products | **Energy products** | Aftermarket services

MEGGITT
 smart engineering for
 extreme environments

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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

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