

Energy products

Gas metering valve (with cables for retrofit applications) C520245

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



Meggitt's two-inch right angle sleeve style gas metering valve is in use on a variety of large frame industrial gas turbine engines. With millions of field operating hours, this design continues to prove the reliability of Meggit EMA technology. Now available with quick change electrical cables and connectors.

Specifications

Function:	Precision fuel gas metering for aero-derivative turbine engine control
Physical size:	10.3" wide, 5.56" deep, 29.0" long
Weight:	95 pounds (estimated, dry)
Flange type:	2" ANSI B16.5 CL 600 raised face flanges
Line pressure:	200 to 700 psia
Fluid temperature:	-40 to 300°F
Ambient temperature:	-65 to 220°F, 350°F maximum transient
Performance:	
Internal leakage:	ANSI class IV
Operating time:	Less than 400 msec full stroke response, 300 msec fail-safe closed
Electrical:	
Motor:	Steady state, 90 to 140 VDC, 0.30 ampere steady state; 7.0 amperes maximum peak
Resolver:	4 VAC, 25 to 60 ma maximum
Thermostat:	Opens at 329 to 347°F; resets at 251 to 270°F
LVDT:	Excitation - 7.07 (±0.14) VRMS, 3000 (±300) Hz
Variations:	Outlet orientation direction optional, flow ranges from 80 to 22,000 pph

Key features

- Foolproof electrical cables and connectors
- Accuracy, ±1% of flow point
- High speed brushless DC servo motor performance, 20 Hz frequency response
- Less than 400 msec full stroke response time
- Used on both DLE and SAC turbine engines
- Explosion proof design, CSA/UL certified for NEC class 1, division 2, groups C and D, temp code T4, CE Eexd 11B, T4, zone 2. CE-ATEX and PED certified. (Cable certification pending.)
- All stainless steel valve and yoke materials for NACE compliance
- No maintenance required under normal conditions

Meggitt Control Systems

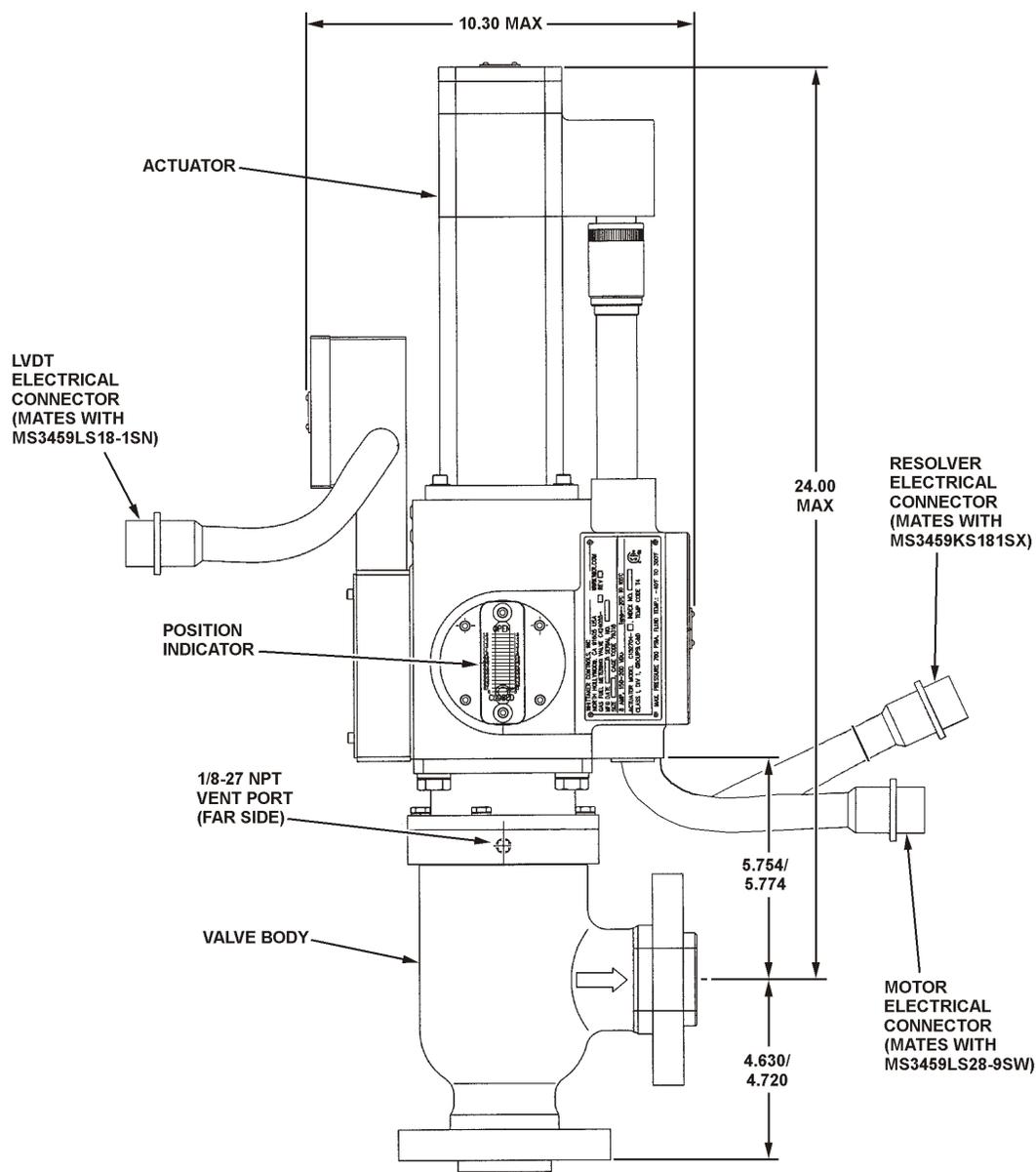
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Aerospace valves | Thermal management solutions | Environmental control systems | Electro-mechanical products
Ground fueling products | **Energy products** | Aftermarket services

MEGGITT
smart engineering for
extreme environments

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Gas metering valve C520245

Key dimensions



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