

Energy products

Gas metering valve C329925

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



Meggitt's three-inch right angle 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 Meggitt EMA technology.

Specifications

Function:	Precision fuel gas metering for aero-derivative turbine engine control
Physical size:	9.8" wide, 7.0" deep, 45.96" long
Weight:	160 pounds (estimated, dry)
Flange type:	3" ANSI B16.5 CL 300 raised face flanges
Line pressure:	0 to 350 psia
Fluid temperature:	32 to 200°F
Ambient temperature:	-65 to 200°F
Performance:	
Flow:	Linearly proportional to valve stroke over sonic range
Internal leakage:	ANSI/FC170-2, class IV
Operating time:	Less than 175 msec full stroke response, 150 msec 50% step response, 350 msec fail-safe closed (power loss)
Electrical:	
Motor:	Steady state, 90 to 140 VDC, 0.50 ampere; 7 amperes maximum transient for 100 msec
Resolver:	4 VAC, 25 to 60 ma maximum
Thermostat:	Opens at 329 to 347EF; resets at 251 to 270EF
Variations:	Outlet orientation direction optional, flow ranges from Cv 72 to Cv 180

Key features

- Accuracy, $\pm 3\%$ of flow point
- High speed brushless DC servo motor performance, 20 Hz frequency response
- 175 msec full stroke response time
- Used on both DLE and SAC turbine engines
- Explosion proof design, CSA/UL certified for NEC class 1, division 1, groups C and D, temp code T4
- All stainless steel valve and yoke materials for NACE compliance
- No maintenance required under normal conditions

Meggitt Control Systems

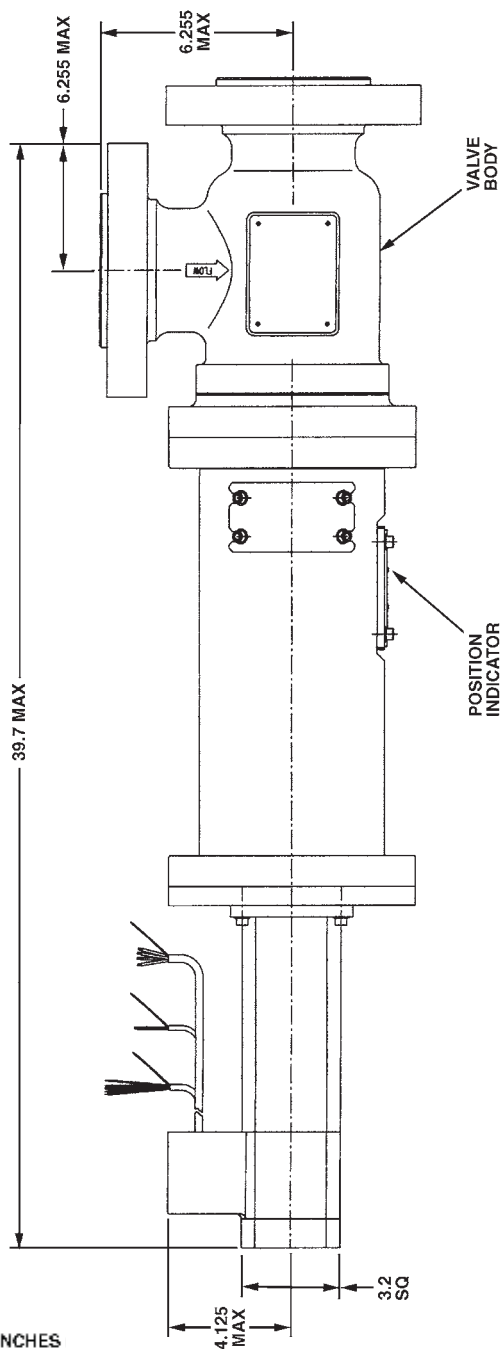
Our product competencies & services:
Aerospace valves | Thermal management solutions | Environmental control systems | Electro-mechanical products
Ground fueling products | Energy products | Aftermarket services

MEGGITT
smart engineering for
extreme environments

Energy products

Gas metering valve C329925

Key dimensions



NOTE: DIMENSIONS SHOWN ARE IN INCHES

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