

Energy products

Gas metering valve C327895

Two-inch flange, 150 to 200 vdc,
electromechanically actuated (EMA)



Meggitt's two-inch globe style gas metering valve is in use on a variety of industrial gas turbine engines. With millions of field operating hours, this design continues to prove the high reliability of Meggitt EMA technology.

Specifications

Function:	Precision fuel gas metering for aero-derivative turbine engine control
Physical size:	11.245" flange to flange, 23" high
Weight:	85 pounds
Flange type:	2" ANSI B16.5 CL 600 raised face flanges
Line pressure:	0 to 600 psig
Fluid temperature:	32 to 400°F
Ambient temperature:	-65 to 350°F
Performance:	
Flow:	0 to 4.0 pounds/sec natural gas
Pressure drop:	25 psid maximum (4 pounds/sec, 500 psig)
Internal leakage:	ANSI class IV
Operating time:	120 msec full stroke response, 300 msec fail-safe closed
Electrical:	
Motor:	Steady state, 75 watts, 150 to 200 VDC, 0.30 amperes; 8 amperes maximum peak (100 msec)
Resolver:	4 VAC, 25 to 60 ma maximum
Closed position indicating switch:	28 VDC, 2 wire SPDT
Thermostat:	Opens at 329 to 347°F; resets at 252 to 269°F
	Actuator also available in 90 to 130 VDC version

Key features

- Accuracy, $\pm 3\%$ of flow point
- High speed brushless DC servo motor performance, 20 Hz frequency response
- 120 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, CE, EExd IIB, Zone 1, ATEX and PED certified
- All stainless steel valve and yoke materials for NACE compliance
- No maintenance required under normal conditions

Meggitt Control Systems

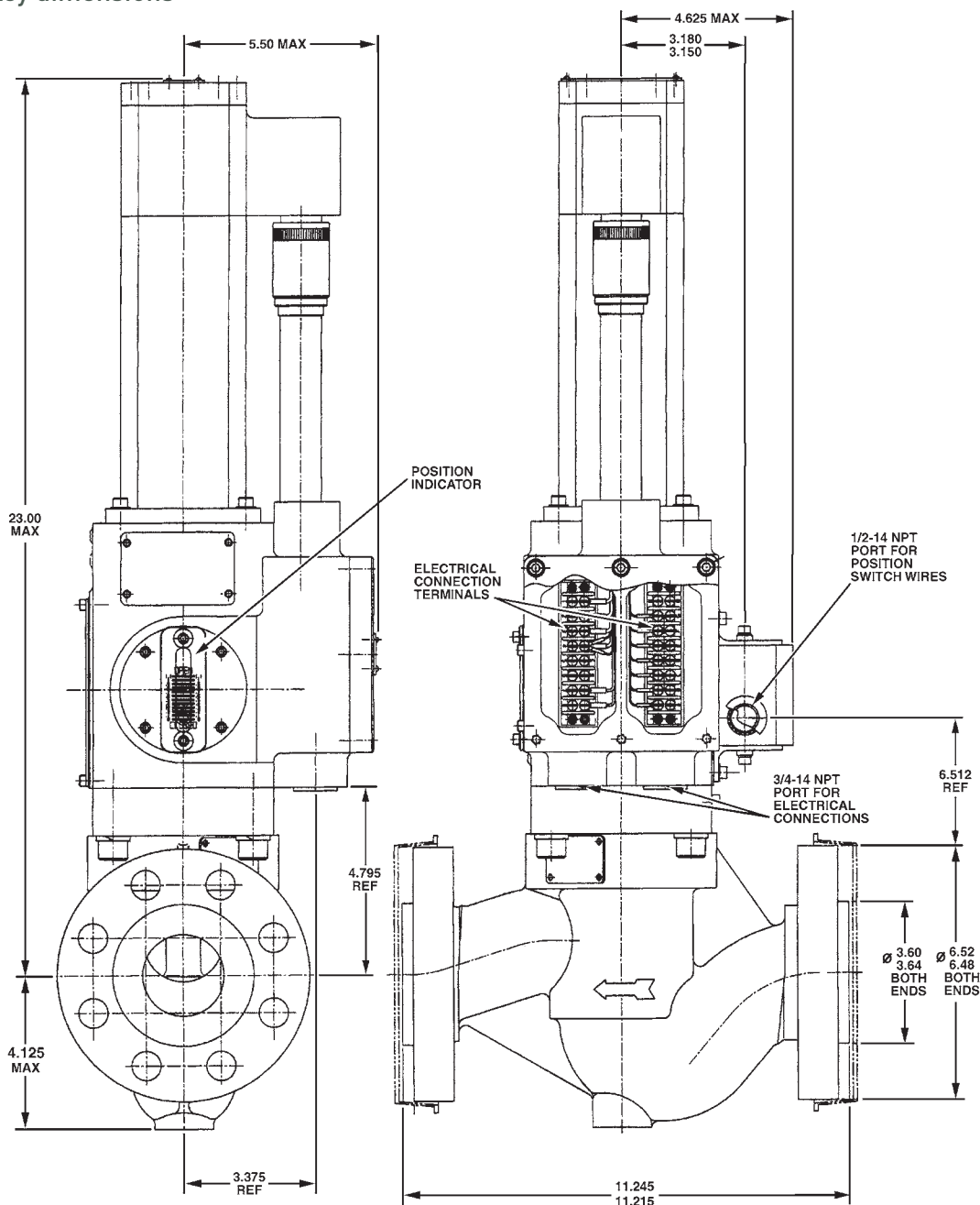
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Aerospace valves | Thermal management solutions | Environmental control systems | Electro-mechanical products
Ground fueling products | Energy products | Aftermarket services

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smart engineering for
extreme environments

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Key dimensions



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