Energy products

Bleed air valve
C421935

Eight-inch flange, 220 vac, electromechanically actuated (EMA)

Meggitt’s eight-inch globe style bleed air valve is designed for use on large frame industrial gas turbine engines. Its exceptional response characteristics outperform hydraulic or pneumatic solutions.

Specifications

Function: Inlet air bleed for large frame turbine engine control
Physical size: 22.5” flange to flange, 16.75” wide, 49.67” high
Weight: 1000 pounds
Flange type: 8” ANSI B16.5 CL 300 raised face flanges
Line pressure: 0 to 350 psig
Fluid temperature: 0 to 850°F
Ambient temperature: -65 to 200°F

Performance:
- Flow: Linear characteristics, Cg = 22,000, quiet trim
- Internal leakage: ANSI class IV
- Operating time: Fully open or fully closed within 1.5 seconds, fail-safe open (power loss)

Electrical:
- Motor: 120-230 VAC, 5 amperes steady state maximum; 20 amperes maximum peak
- Resolver: 4 VAC, 25 to 60 ma maximum
- Control interfaces: 4 to 20 ma commands; RS-422/RS-485 serial communications

Key features

- Accuracy, ±3% of flow point
- High speed brushless DC servo motor performance, 20 Hz frequency response
- Fail-safe open in less than 1.5 seconds
- 1.5 seconds full stroke response time
- Designed for use on both DLE and SAC turbine engines
- Explosion proof design
- All steel valve and yoke materials for NACE compliance
- No maintenance required under normal conditions
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Key dimensions

Contact

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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