Energy products

Hot air bleed control valve
C422635

Four-inch flange, 110 to 150 vdc, electromechanically actuated (EMA)

Meggitt’s four-inch linear variable plug style bleed air control valve is designed for use on aero-derivative and large frame industrial gas turbines. This product offers a very high degree of flow accuracy and resolution for hot bleed air environments.

Specifications

Function: High speed, precision hot bleed air flow control and resolution for turbine engines
Physical size: 13.5” wide, 12.5” deep, 45.5” long
Weight: 230 pounds
Flange type: 4” ANSI B16.5 CL 300 raised face flanges
Line pressure: 180 to 360 psia
Fluid temperature: 100 to 920°F
Ambient temperature: -40 to 400°F

Performance:
Flow: Approximately equal percentage, Cv = 295 minimum
Internal leakage: 11 pounds/minute maximum at 350 psia
Operating time: Slew rate = 200 msec maximum, 5 seconds maximum fail-safe closed (power loss)

Electrical:
Motor: 110-150 VDC, 1.0 ampere steady state maximum; 8 amperes maximum peak
Resolver: 4 VAC, 25 to 60 ma maximum
Thermostat: Normally closed; rated for 4 amperes, 120 VAC; opens at 293 to 311°F, resets at 239 to 257°F

Key features

- High resolution and flow accuracy
- High speed brushless DC servo motor performance
- Fail-safe closed
- Visual position indication
- Thermal overload protection
- 200 msec full stroke response time
- Designed for use on both DLE and SAC turbine engines
- Explosion proof design, ATEX: EEExd T3, gas group IIIC, T3, EC94; PED, CSA and UL: class 1, division 1, groups C and D; ingress protection: IP65
- All steel valve and yoke materials for NACE 2002 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
Energy products

Hot air bleed control valve
C422635

Key dimensions

4", 300 LB RAISED FACE ANSI B16.5 FLANGE (2 PLACES)

NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES.

Contact

Meggitt Controls
12838 Saticoy St
North Hollywood
California 91605-3505
USA

Telephone: (818) 765-8160
FAX: (818) 759-2194

www.meggitt.com

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