Energy products

Purge valve
C327335, C327405, C327765, C327775

Three-inch flange, 24 or 125 vdc, solenoid-pilot actuated (SPA)

Meggitt’s three-inch sleeve style hot air purge valve is in use on many aero-derivative industrial gas turbines. With millions of field operating hours, this design continues to prove the high reliability of Meggitt technology.

Specifications

Function: Hot air (compressor bleed) purge for aero-derivative turbine engines
Type: Normally closed (fail closed), solenoid-pilot actuated, two or three inch, elbow, sleeve valve, 24 or 125 VDC
Physical size: 7.5” wide, 25” high
Weight: 84 to 91 pounds
Flange type: 3.0” ANSI B16.5 CL 600 raised face flanges
Line pressure: 0 to 500 psig
Actuation pressure: 80 to 125 psig
Fluid temperature: 32 to 1100°F [bleed air]
Ambient temperature: -20 to 240°F
Heat soak: 400°F maximum ambient, 1 to 2 hours, de-energized

Performance:
Flow: 1.2 pounds/sec compressor bleed air
Pressure drop: 0.70 psid maximum at all normal operation conditions
Internal leakage: 0.00025 pound/minute maximum
Operating time: 1 second full stroke response, opening or closing

Electrical:
Solenoid: Continuous duty, 24 VDC nominal [18 to 30 VDC], 1.92 amperes maximum or 125 VDC [95 to 140 VDC], 0.43 amperes maximum
Position indicating switch: 125 VDC, 3-wire, SPDT

Key features

- Fail-safe closed (de-energized)
- Open and closed position indicating switch circuits
- 1 second full stroke response time (opening or closing)
- Supplied with mounting kit
- Used on both DLE and SAC turbine engines
- Non incendiary design, CE-ATEX and PED certified
- All stainless steel valve and body 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
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Key dimensions