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: | 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: | 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

MEGGITT
smart engineering for extreme environments
Energy products

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Key dimensions

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