

## Energy products

# Gas isolation - double block valve assembly C173205

Two-Inch flange, 24 or 125 vdc,  
solenoid-pilot actuated (SPA)



Meggitt's two inch poppet style gas flow isolation valve set is in use on a variety of industrial gas turbine engines. Millions of field operating hours continue to prove the high reliability of Meggitt design technology.

### Specifications

<b>Function:</b>	Fail-safe fuel gas flow shutoff for gas turbine engines, with double block and bleed assembly
<b>Physical size:</b>	24.67" flange to flange, 12.04" high
<b>Weight:</b>	175 pounds maximum
<b>Flange type:</b>	2.0" ANSI B16.5 CL 600 raised face flanges
<b>Line pressure:</b>	0 to 1000 psig
<b>Fluid temperature:</b>	-20 to 380°F
<b>Performance:</b>	
<b>Flow:</b>	0 to 6.1 pounds/sec natural gas, Cv = 55
<b>Leakage:</b>	ANSI class IV
<b>Operating time:</b>	100 msec fail-safe closed (de-energized), 200 msec to fully open
<b>Ambient temperature:</b>	-65 to 220°F
<b>Minimum actuation pressure:</b>	150 psig
<b>Electrical:</b>	
<b>Solenoid:</b>	P/N C173205-3, continuous duty, 24 VDC nominal (20 to 28 VDC) P/N C173205-4, continuous duty, 125 VDC nominal (95 to 140 VDC) Closed position indicating switch: 3-wire, SPDT

### Key features

- C173205-3 utilizes two C327845-3 flow shutoff valves
- C173205-4 utilizes two C329305-2 flow shutoff valves
- 200 msec full stroke opening response time
- 100 msec fail-safe closing time (de-energized)
- 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 CENE-LEC, zone 1, EExd IIB, ATEX pending, CE-PED certified
- All stainless steel valve and body materials for NACE compliance
- No maintenance required under normal conditions

## Meggitt Control Systems

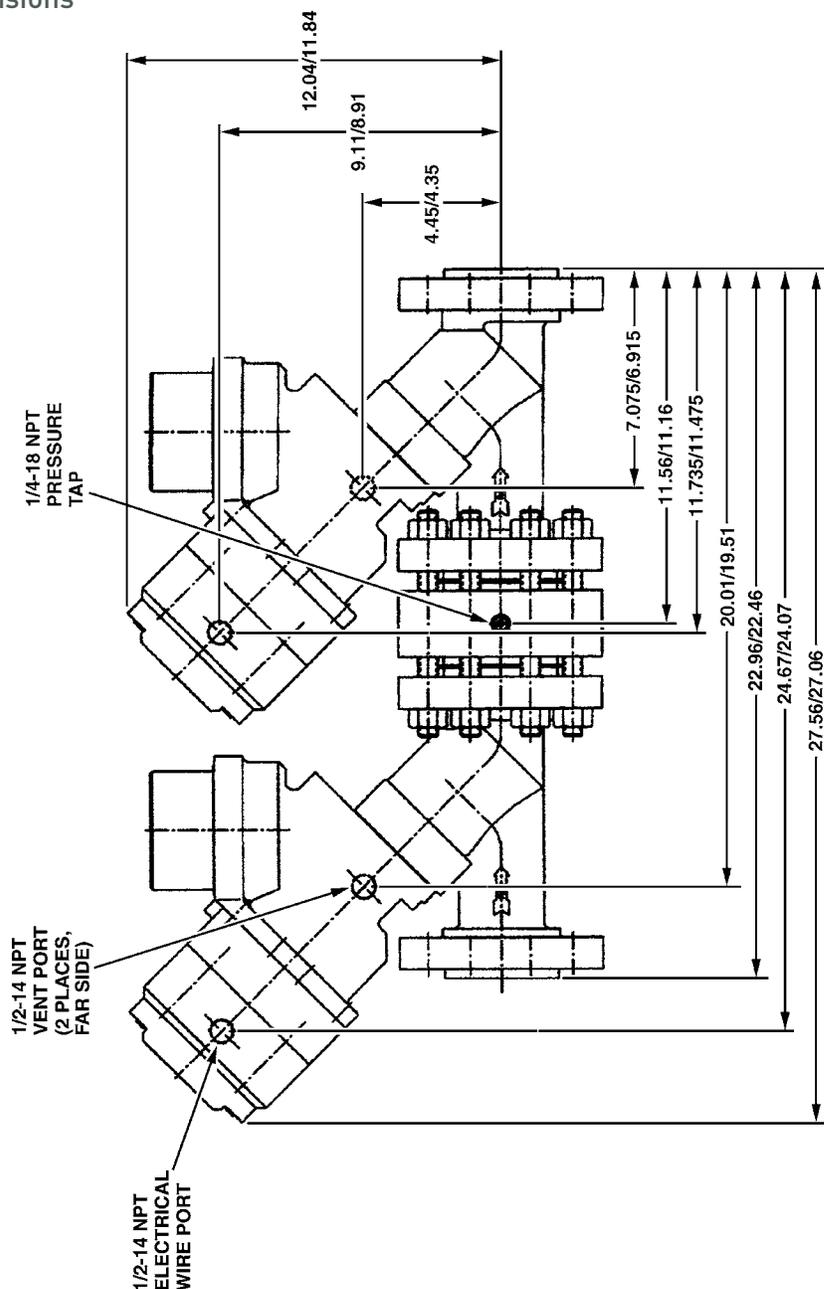
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Aerospace valves | Thermal management solutions | Environmental control systems | Electro-mechanical products  
Ground fueling products | **Energy products** | Aftermarket services

**MEGGITT**  
smart engineering for  
extreme environments

Energy products

# Isolation valve set C173205

## Key dimensions



NOTE: DIMENSIONS SHOWN ARE IN INCHES (MM).

## Contact

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