

## Energy products

# Gas fuel staging valve C422465

One-inch port, 125 vdc,  
solenoid actuated (SA)



Meggitt's one-inch poppet style gas fuel staging valve is in use on a variety of aero-derivative industrial gas turbine engines. Millions of field operating hours continue to prove the high reliability of Meggitt technology.

### Specifications

<b>Type:</b>	Normally open, poppet, solenoid actuated
<b>Function:</b>	Fuel gas flow shutoff for aero-derivative turbine engine control
<b>Physical size:</b>	3.57" wide, 3.57" deep, 12.04" high
<b>Weight:</b>	26 pounds maximum
<b>Operating pressure:</b>	900 psig maximum at 300°F maximum
<b>Fluid temperature:</b>	-40 to 300cF
<b>Ambient temperature:</b>	-40 to 250°F
<b>Performance:</b>	
<b>Flow:</b>	2520 pounds/hour maximum
<b>Pressure drop:</b>	7.5 psid at 495 psia, 150°F and 840 pounds/hour
<b>Internal leakage:</b>	2.5 pounds/hour maximum, all operating conditions
<b>Operating time:</b>	Less than 150 msec full stroke response, fully open or fully closed
<b>Electrical:</b>	
<b>Solenoid:</b>	Continuous duty, 125 VDC nominal (110 to 140 VDC), 1 ampere maximum, dropout voltage 8 VDC
<b>Closed position indicating switch:</b>	10 to 32 VDC, 3-wire, SPDT
<b>Electrical connector:</b>	M83723/83G1407N

### Key features

- Normally open, fail open
- Closed position indicating switch circuit
- 150 msec full stroke response time, open or close
- Used on both DLE and SAC turbine engines
- Non incendiary design, CSA/UL certified for NEC class 1, division 2, group D, T2C CE- ATEX group II, category 3, zone 2, EEx nC II T2 , CE-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

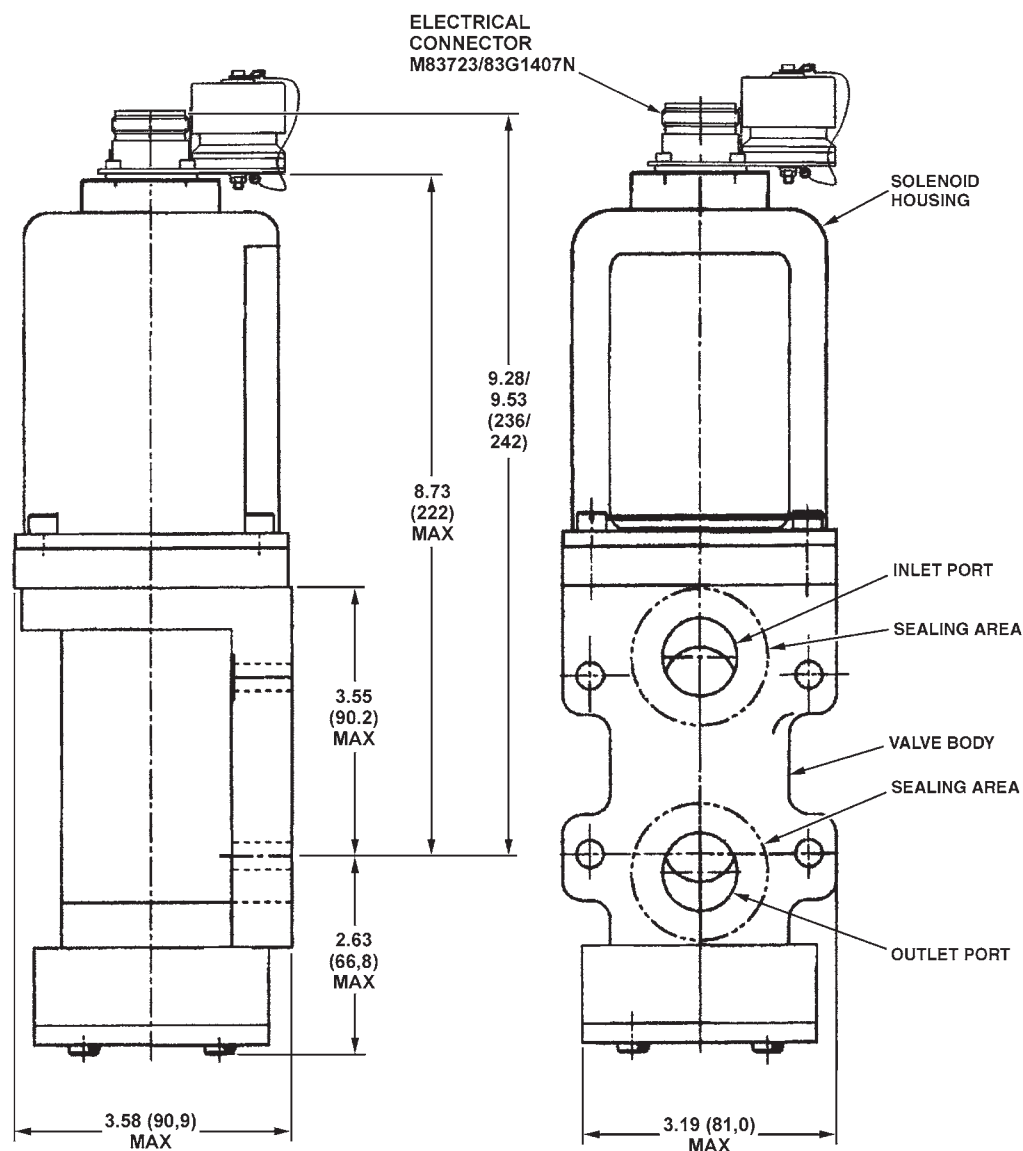
**MEGGITT**  
smart engineering for  
extreme environments

Energy products

# Gas fuel staging valve

## C422465

### Key dimensions



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES AND (MM).

### Contact

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