Energy products

High recovery gas metering valve
C422965, C422975, C422195

Two, three or four-inch flange, electro-hydraulic servo actuated (EHA)

Meggitt’s precision plug style gas metering valve is designed for use on aero-derivative and large frame industrial gas turbines. This product offers precision gas flow metering with exceptionally high pressure recovery.

Specifications

Function: High pressure recovery, gas flow control for turbine engines
Physical size: See tabulation
Weight: 2”, 165 pounds; 3” 227 pounds; 4”, 270 pounds
Flange type: ANSI B16.5 CL 300 raised face flanges
Line pressure: 0 to 500 psig
Fluid temperature: 450°F maximum
Ambient temperature: -50 to 250°F

Performance:

| Trim profiles: | Cg = 300, 600, 800, 1200, 2000, 2900 and 3500 |
| Pressure drop: | Choked flow pressure ratio < 1.08 |

Hydraulic system:

| Maximum pressure: | 3000 psig |
| Operating pressure: | 1200 to 1700 psi |
| Return pressure: | 30 psi, hydraulic trip function |

Electrical:

| Servovalve: | 8 milliamperes peak |
| LVDT: | Excitation, 7.07 [±0.14] volts rms, 3000 [±300] Hz |

Key features

- Patented design
- Exceptionally high gas pressure recovery
- Fail-safe closed
- Designed for use on both DLE and SAC turbine engines
- NEC class 1, division 1, groups C and D; T4 temp code, CE PED certified, ATEX group II, category 2, zone 1 (II2G)
- All stainless 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
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Key dimensions

Contact

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smart engineering for extreme environments

Note: All dimensions shown are in inches.

<table>
<thead>
<tr>
<th>FLANGE SIZE</th>
<th>2-INCH</th>
<th>3-INCH</th>
<th>4-INCH</th>
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<tbody>
<tr>
<td>DIMENSION A</td>
<td>35.81</td>
<td>37.43</td>
<td>40.14</td>
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