Energy products

6” Butterfly bleed air valve
C424065

Six inch flange, hydraulic servo actuated

Meggitt’s butterfly valves are designed for bleed air control on aero-derivative industrial gas turbine engines. This design was generated specifically for increased cycle life of the bearings and butterfly element while implementing precision control and position indication.

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flange Connections</td>
<td>AS1895</td>
</tr>
<tr>
<td>Type</td>
<td>Normally Open Hydraulically Actuated Modulating Valve</td>
</tr>
<tr>
<td>Function</td>
<td>Compressor bleed regulation</td>
</tr>
<tr>
<td>Inlet pressure</td>
<td>0 to 250 psia max</td>
</tr>
<tr>
<td>Bleed air temperature</td>
<td>745°F max</td>
</tr>
<tr>
<td>Weight</td>
<td>55 lbs</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>-65 to 350°F</td>
</tr>
<tr>
<td>Operating speed</td>
<td>320 msec full stroke operation</td>
</tr>
<tr>
<td>Internal leakage</td>
<td>6.0 ppm max at 200 psia</td>
</tr>
<tr>
<td>Servo valve</td>
<td>-100 to +60 mA operating current</td>
</tr>
<tr>
<td>Electrical connector</td>
<td>M83723 type</td>
</tr>
<tr>
<td>LVDT</td>
<td>7.07±.14 Vrms at 3kHz excitation, -0.435 to 0.435 v/v output</td>
</tr>
</tbody>
</table>

Key features

- Redundant position indicating LVDT
- Robust bearing shaft design
- Bearings designed for dither cycle service
- High temperature material in bearing
- Increased thermal isolation of electric components
- Butterfly disk permanently joined to the shaft
- Effective flow area = 19.1 square inches max
- Fail-safe open
- Less than 320 millisecond full stroke response time

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
Energy products

6” Butterfly bleed air valve
C424065

Key dimensions

Contact

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