## 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

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

### Key features

- Redundant position indicating LVDT
- Robust bearing shaft design
- Bearings designed for dither cycle service
- High temperature mateial 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

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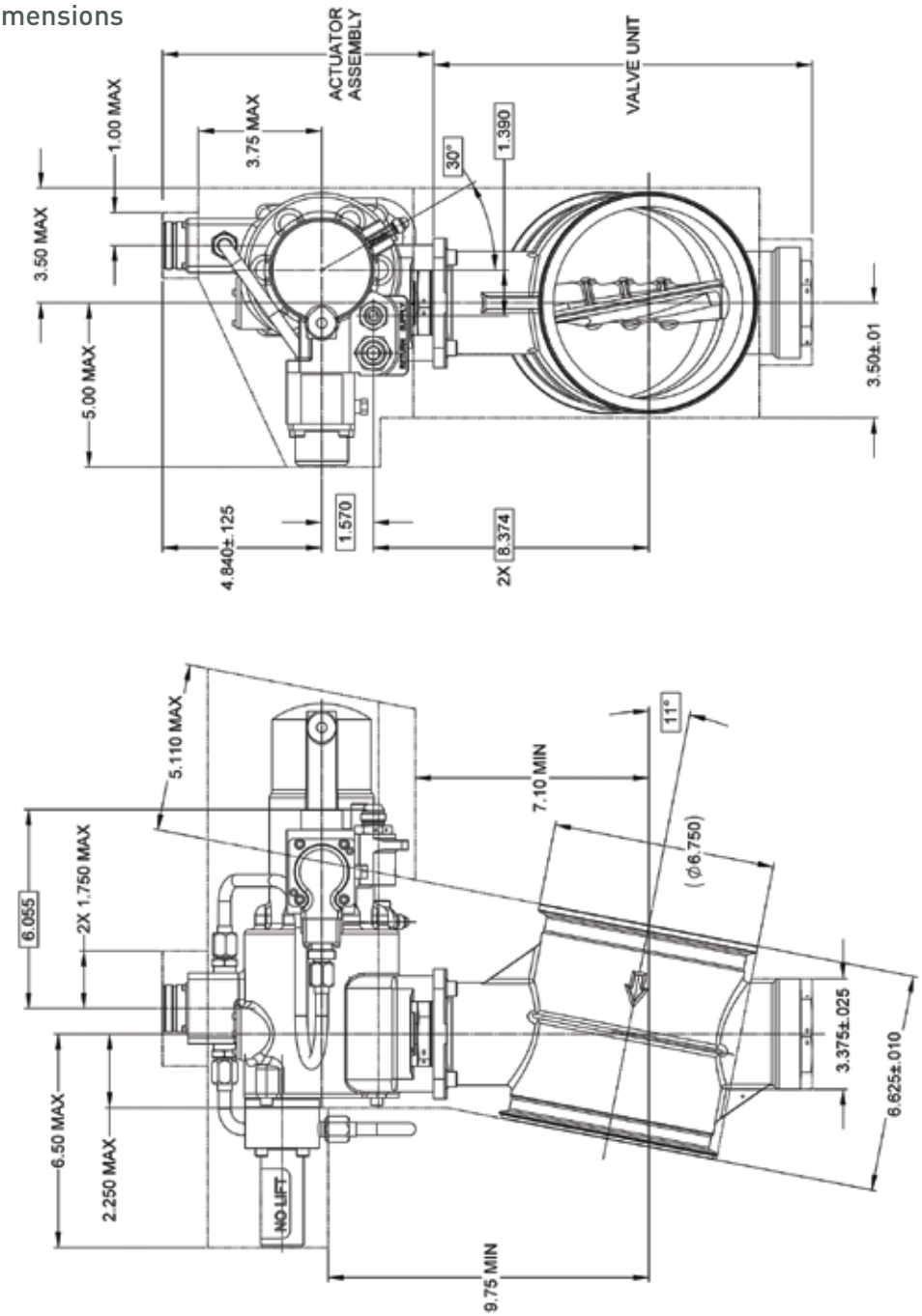
## Key dimensions




## Contact

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## 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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smart engineering for
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