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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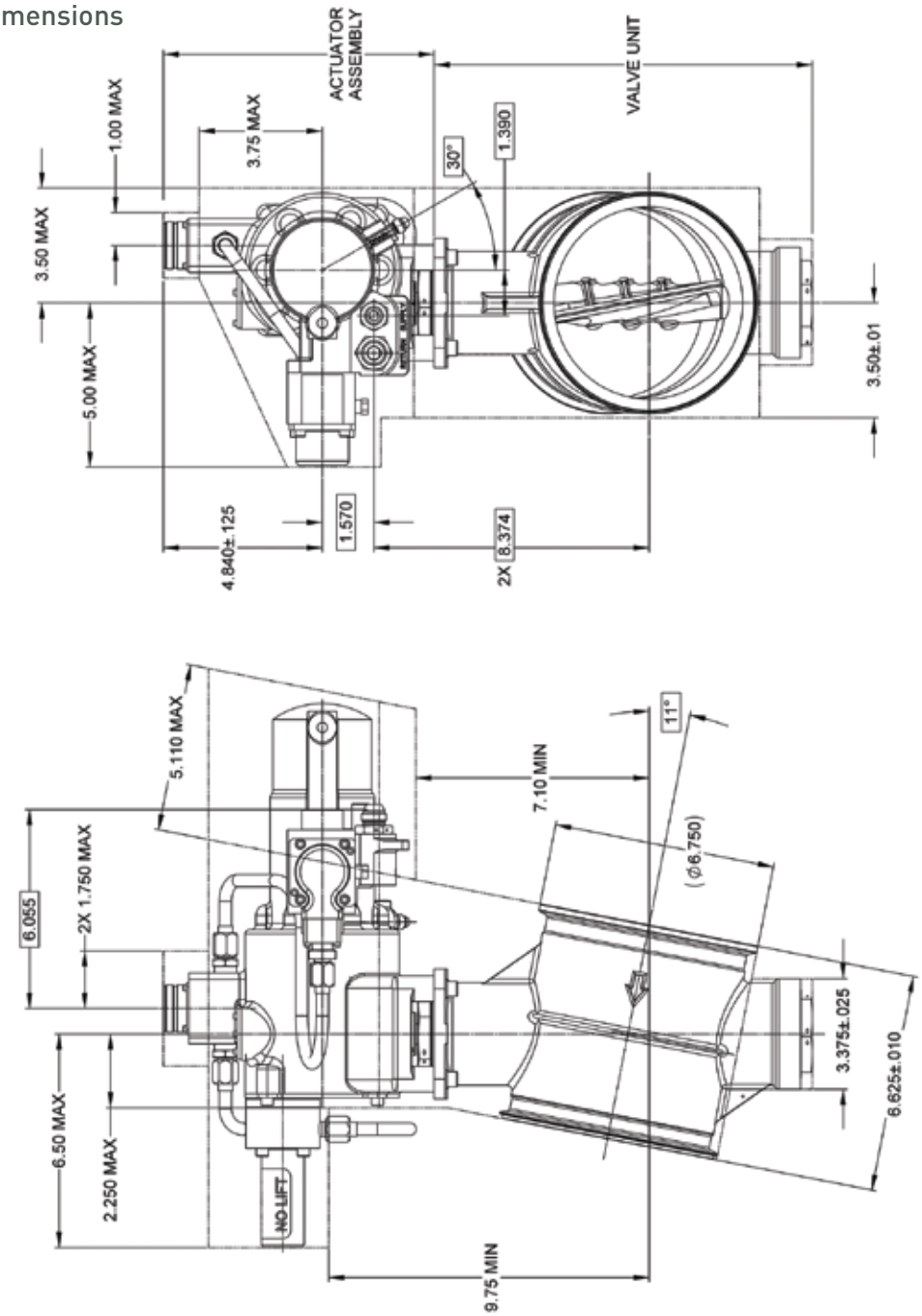
Key dimensions



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
extreme environments