

Energy products

2.5" Butterfly bleed air valve C424035

Two and a half 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:	AS1895/12-250
Type:	Normally Open Hydraulically Actuated Modulating Valve
Function:	Compressor bleed regulation
Inlet pressure:	0 to 850 psia max
Bleed air temperature:	1200°F max
Weight:	43 lbs maximum
Ambient temperature:	-65 to 350°F
Performance:	
Operating speed:	320 msec full stroke operation
Internal leakage:	6.0 ppm max at 850 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 bearing material
- Increased thermal isolation of electric components
- Butterfly disk permanently joined to the shaft
- Effective flow area = 2.5 square inches max
- 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

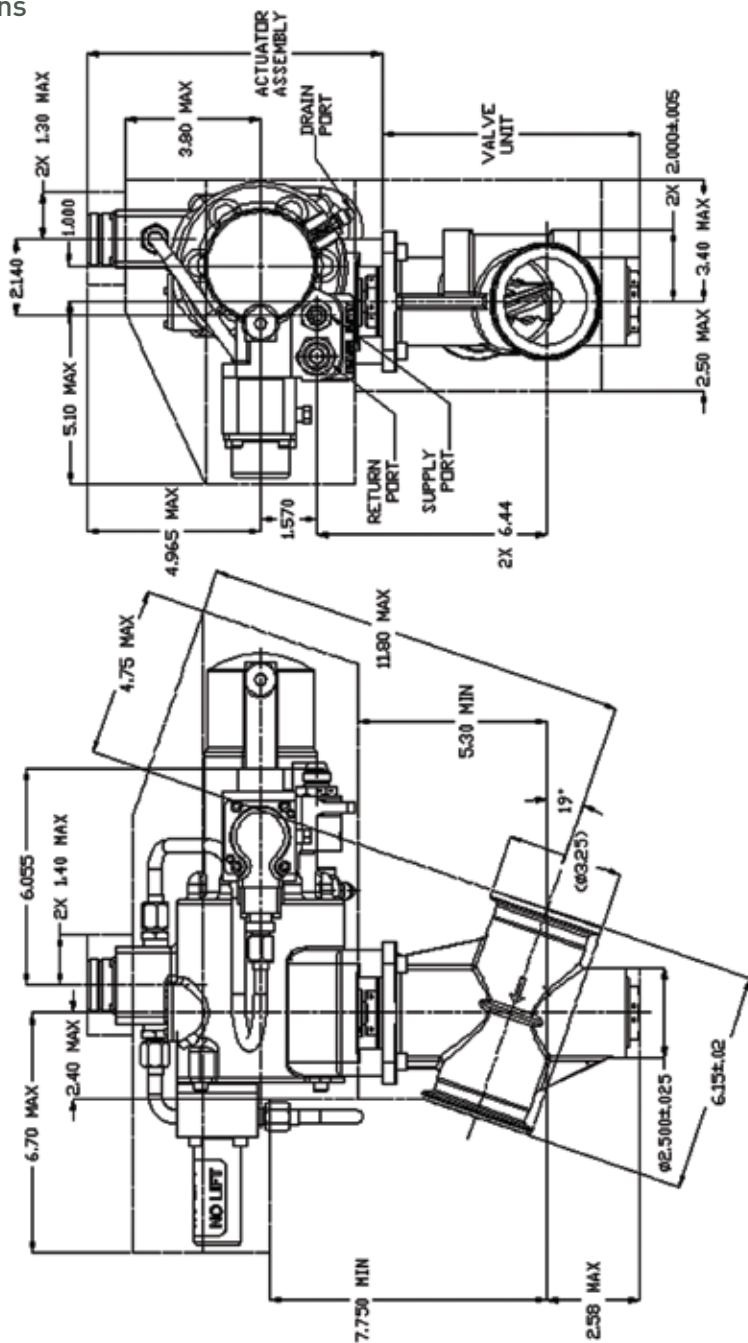
MEGGITT
smart engineering for
extreme environments

Energy products

2.5" Butterfly bleed air valve

C424035

Key dimensions



Contact

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