

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 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

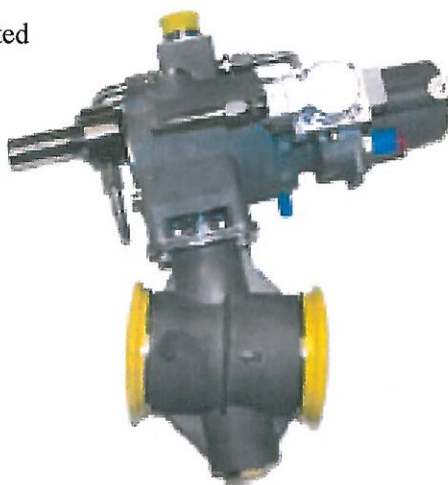
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Our product competencies & services:
Aerospace valves | Thermal management solutions | Environmental control systems | Electro-mechanical products
Ground fueling products | **Energy products** | Aftermarket services

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4" Butterfly bleed air valve C424045

Four inch flange,
Hydraulic servo actuated



Key features

- Redundant position indicating LVDT
- Robust bearing shaft design
- Bearings designed for high cycle service
- High temperature materials in bearing
- Increased thermal isolation of electric components
- Butterfly disk permanently joined to the shaft
- Fail-safe open
- Less than 320 milliseconds full stroke response time

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.

Function	Compressor bleed regulation
Type	Normally Open Hydraulically Actuated Modulating Valve
Flange connection	AS1895
Inlet pressure	0 to 550 psia max
Bleed air temperature	1200° F max
Weight	46 lbs
Ambient temperature	-65 to 350° F
Performance	
Operating speed	320 msec full stroke operation
Internal leakage	6.0 ppm max at 450 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

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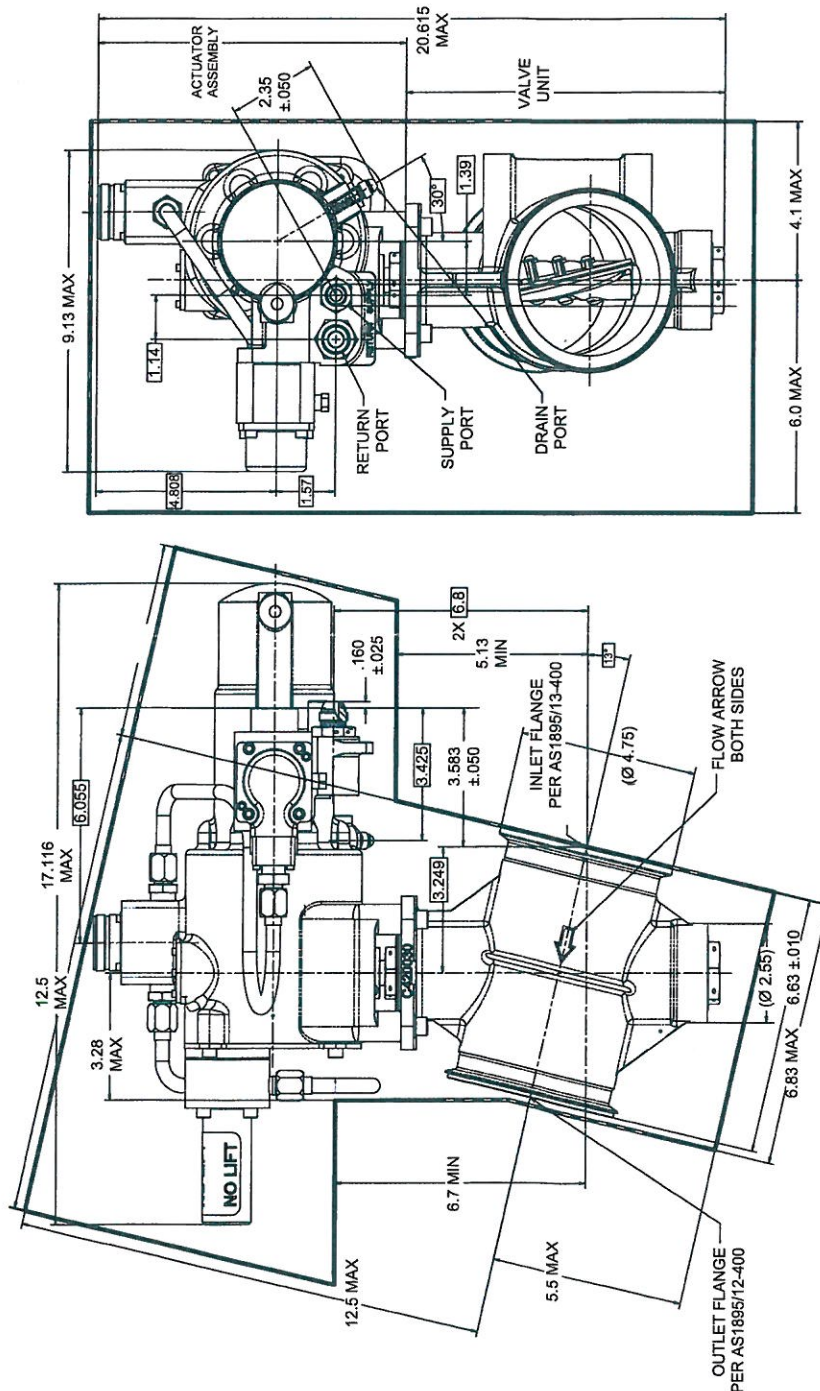
Aerospace valves | Thermal management solutions | Electromechanical products | Ducting | Ground fuelling products | **Industrial controls** | Aftermarket services | Safety systems

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4" Butterfly bleed air valve

C424045

Key dimensions



Contact

Meggitt Control Systems
12838 Saticoy Street
North Hollywood, CA 91605
USA
Tel: +1 818 765 8160
Fax: +1 818 759 2194
www.meggitt.com

Meggitt Control Systems
11661 Sorrento Valley Road
San Diego, CA 92121
USA
Tel: +1 858 792 3261
Fax: +1 858 792 3200
www.meggitt.com

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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

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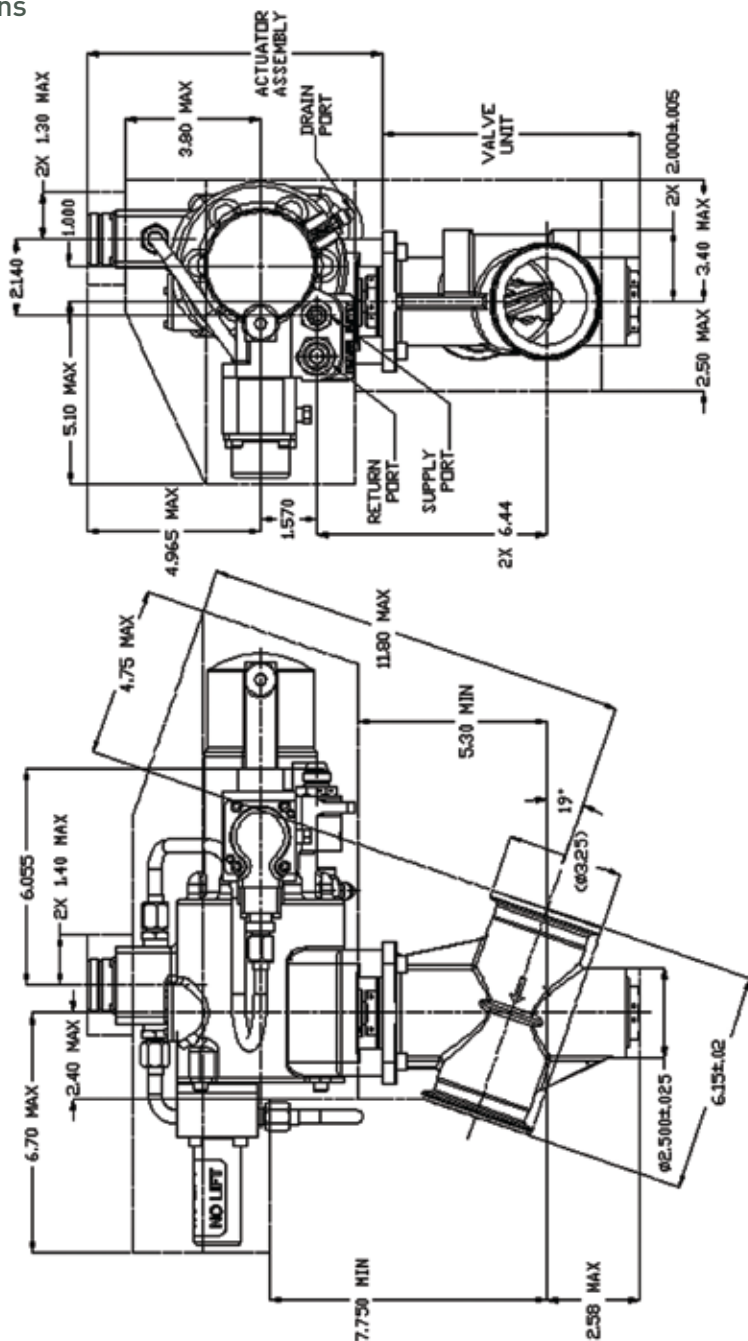
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Ground fueling products | **Energy products** | Aftermarket services

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2.5" Butterfly bleed air valve C424035

Key dimensions



Contact

Meggitt Controls

12838 Saticoy St
North Hollywood
California 91605-3505
USA

Telephone: (818) 765-8160
FAX: (818) 759-2194

www.meggitt.com

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