

Belimo LF24-SR US

Belimo LF24-SR US Damper Control Actuator Instruction Manual

Model: LF24-SR US

1. INTRODUCTION

The Belimo LF Series Actuators are designed to provide reliable spring return operation for fail-safe applications and positive close-off on air-tight dampers. The spring return system ensures consistent torque to the damper, both with and without power applied to the actuator.

The LF Series offers 95° of rotation and includes a graduated position indicator, displaying positions from 0° to 95°. The LF24-SR US model utilizes a brushless DC motor, controlled by an Application Specific Integrated Circuit (ASIC) and a microprocessor. This advanced control system provides a constant rotation rate and accurately determines the actuator's exact fail-safe position.

The ASIC monitors and controls the brushless DC motor's rotation, incorporating a digital rotation sensing function to prevent damage if the actuator stalls. The actuator can be stalled at any point in its normal rotation without requiring mechanical end switches. Additionally, power consumption is reduced when the actuator is in holding mode.

This product is manufactured in the United States by Belimo Air Controls.



Figure 1: Belimo LF24-SR US Damper Control Actuator, showing its main body and wiring.

2. SETUP AND INSTALLATION

2.1 Mounting

The LF24-SR US actuator is designed for screw mount installation. Ensure the mounting surface is stable and capable of supporting the actuator's weight and operational forces. Refer to the product's technical data sheet for specific mounting hole dimensions and torque requirements.

2.2 Wiring

This actuator operates on 24 Volts DC. Connect the power supply to the screw-type terminals as indicated on the actuator's label. Ensure all wiring complies with local electrical codes and standards. Incorrect wiring can lead to malfunction or damage.

- **Power Supply:** 24V DC
- **Connector Type:** Screw



Figure 2: Belimo LF24-SR US Damper Control Actuator shown with an included mounting bracket for installation.

3. OPERATING PRINCIPLES

3.1 Proportional Control

The LF24-SR US actuator provides proportional control, allowing for precise positioning of the damper based on an input signal. This enables fine-tuned airflow regulation within HVAC systems.

3.2 Spring Return Fail-Safe Function

In the event of a power failure, the integrated spring mechanism automatically drives the damper to a pre-defined fail-safe position (e.g., fully open or fully closed). This ensures critical system responses are maintained even without electrical power.

3.3 Position Indication

A graduated position indicator on the actuator provides a visual reference of the damper's current angle, ranging from 0° to 95°.

4. MAINTENANCE

The Belimo LF24-SR US Damper Control Actuator is designed for long-term, maintenance-free operation under normal conditions. No routine lubrication or adjustment is typically required.

Periodically inspect the actuator and its connections for any signs of wear, damage, or loose wiring. Ensure the mounting remains secure. Keep the actuator free from excessive dust or debris.

5. TROUBLESHOOTING

If the actuator is not functioning as expected, consider the following basic troubleshooting steps:

- **No Movement:** Verify that the 24V DC power supply is connected correctly and is providing the specified voltage. Check all wiring connections for security.
- **Incorrect Positioning:** Ensure the control signal is within the expected range for proportional operation. Check for any mechanical obstructions preventing full damper travel.
- **Unusual Noise:** Inspect for any foreign objects or damage to the damper linkage or actuator mechanism.

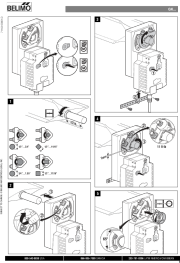
For persistent issues, contact Belimo technical support or a qualified service technician.

6. SPECIFICATIONS

Specification	Value
Model Number	LF24-SR US
Brand	Belimo
Voltage	24 Volts (DC)
Product Dimensions (Actuator)	4.37"W x 8.74"H
Product Dimensions (Package)	22.2 H x 8.5 L x 11.1 W (centimetres)
Package Weight	1.459 kilograms
Connector Type	Screw
Mounting Type	Screw Mount
Specification Met	UL
Country of Origin	United States
Date First Available	October 11, 2012

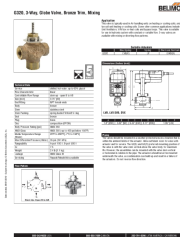
7. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or service, please contact Belimo Air Controls directly through their official website or customer service channels. Ensure you have your product model number (LF24-SR US) and purchase details available when seeking support.



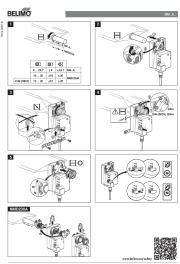
[Belimo GK Damper Actuator Installation and Operation Guide](#)

Comprehensive guide for installing and operating Belimo GK series damper actuators, covering wiring, fail-safe settings, and typical pre-charging times.



[Belimo G320 3-Way Globe Valve with LVKX24-MFT Actuator: Technical Specifications and Installation Guide](#)

Detailed technical specifications, dimensions, application information, and wiring diagrams for the Belimo G320 3-way globe valve and LVKX24-MFT modulating fail-safe actuator. Includes installation notes and product data.



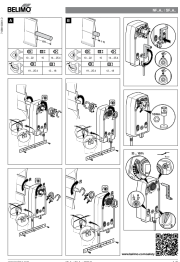
[Belimo NM..A.. Series Actuator Installation Guide](#)

Comprehensive installation instructions for Belimo NM..A.. series damper actuators, detailing mounting procedures, dimensional specifications, torque requirements, manual override operation, and electrical wiring diagrams for various models.



[Belimo Retrofit Solutions Technical Documentation](#)

Comprehensive technical documentation from Belimo detailing retrofit solutions for HVAC actuators, including damper and valve replacements, fire and smoke actuator compatibility, and selection guides for various manufacturers.



[BELIMO NF..A.. / SF..A.. Actuator Installation and Wiring Guide](#)

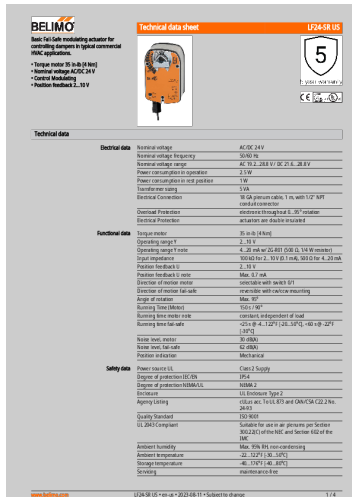
Comprehensive guide for BELIMO NF..A.. and SF..A.. series control actuators, covering installation, wiring diagrams, and technical specifications for various voltage and communication protocols.



[Belimo UGVL Universal Globe Valve Linkage & LVKX24-MFT Actuator Technical Data](#)

Comprehensive technical specifications, dimensions, and wiring diagrams for the Belimo UGVL Universal Globe Valve Linkage designed for LV and SV series actuators, and the Belimo LVKX24-MFT Modulating Fail-Safe Actuator.

Documents - Belimo – LF24-SR US

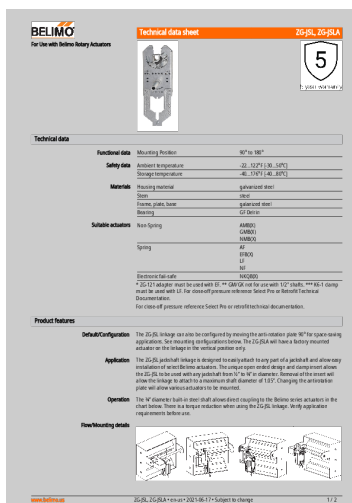


[\[pdf\]](#) Datasheet

LF24 SR US Belimo PA2003 Product Data tcsbasys 2023 12 |||

Basic Fail-Safe modulating actuator for controlling dampers in typical commercial HVAC applications. Torque motor 35 in-lb 4 Nm Nominal voltage AC/DC 24 V Control Modulating Position feedback 2...10 V Technical data sheet **LF24-SR US** Technical data www.belimo.com Electrical data Nominal vo...

lang:en score:35 filesize: 511.97 K page_count: 4 document date: 2023-10-16

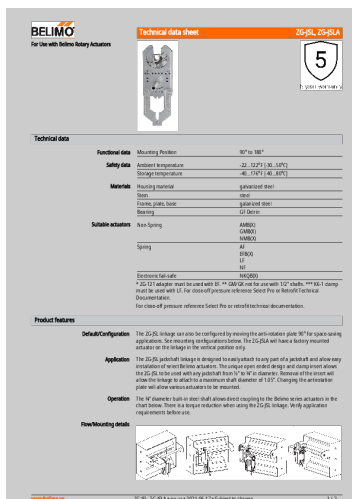


[\[pdf\]](#) Datasheet Documentation

belimo ZG JSLA LF24 SR US assembly en us mam Datasheets |||

For Use with Belimo Rotary Actuators Technical data sheet ZG-JSL, ZG-JSLA
 Technical data Functio ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control
 of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data
 Nominal voltage Nominal voltage frequency Power consump...

lang:en score:35 filesize: 1.78 M page_count: 6 document date: 2021-06-17



[\[pdf\]](#) Datasheet Documentation

ZG JSLA LF24 SR US Belimo belimo Index of docs 20240502 samwoods assembly en us supplyfile |||

For Use with Belimo Rotary Actuators Technical data sheet ZG-JSL, ZG-JSLA
 Technical data Functio ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control
 of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data
 Nominal voltage Nominal voltage frequency Power consump...

lang:en score:35 filesize: 1.79 M page count: 6 document date: 2021-06-17

BELIMO	
Basic Fail-Safe modulating actuator for controlling dampers in typical commercial HVAC applications	
- Torque motor 35 in-lb (4 Nm) - Nominal voltage AC/DC 24 V - Control Modulating - Position Feedback 2...10 V	
	
	
Technical data sheet	
LF24-SR US	
Technical data	
Electrical data	Nominal voltage AC/DC 24 V Nominal voltage frequency 50/60 Hz Nominal voltage range AC 12...253 V / DC 21...36 V Power consumption in operation 2.5 W Power consumption in rest position 1 W Transformer rating 5 VA Electrical Connection 3-wire (green cable), 1-wire with 1/2" NPT cable connection Damper Protection integrated high limit 1...10° rotation Electrical Protection actuator and damper insured
Functional data	Torque motor 35 in-lb (4 Nm) Operating range 1° 2...10° Direction of rotation clockwise (CW) 2...10° and CCW (CCW) 2...10° (optional) Output impedance 500 Ω for 2...10 V / 1 mΩ, 500 Ω for 4...20 mA Position feedback 2-wire Max. 10° Direction of rotation clockwise with switch 0/1 Direction of rotation 1-wire clockwise with external mounting Max. 10° Running Time (closed) 150 s (optional, independent of load) Running Time (rest) 150 s (optional, independent of load) Running Time (trip) 150 s (optional, independent of load) Name, brand, model 35 in-lb (4 Nm) Name, brand, model 35 in-lb (4 Nm) Position indicator Mechanical
Safety data	Power source UL Class 2 Supply Degree of protection IEC 60335-1 Degree of protection NEMA 4X Approval Listing UL and ENEC and CSA C22.2 No. 443 Quality standard ISO 9001 Approval for use in air pressure per Section 302.2 of the NEC and Section 612 of the NEC Ambient humidity Max. 95% RH non-condensing Ambient temperature 32...122°F (0...50°C) Storage temperature -40...147°F (-40...100°C) Sealing maintenance free

[pdf] Datasheet

LF24 SR US Belimo belimo da Index of docs 20240502 samwoods datasheet en us supplyfile |||

Basic Fail-Safe modulating actuator for controlling dampers in typical commercial HVAC applications. Torque motor 35 in-lb 4 Nm Nominal voltage AC/DC 24 V Control Modulating Position feedback 2...10 V Technical data sheet **LF24-SR US** Technical data www.belimo.com Electrical data Nominal vo...

lang:en score:35 filesize: 510.19 K page_count: 4 document date: 2023-08-11

BELIMO	
LF24-SR US Technical Data Sheet	
Modulating, Spring Return, AC 24 V/DC, for DC 2...10 V or 4...20 mA Control Signal	
	
	
	
	
	
	
Technical data	
Electrical data	Nominal voltage AC/DC 24 V Nominal voltage frequency 50/60 Hz Nominal voltage range AC 12...253 V / DC 21...36 V Power consumption in operation 2.5 W Power consumption in rest position 1 W Transformer rating 5 VA Electrical Connection 3-wire (green cable), 1-wire with 1/2" NPT cable connection Damper Protection integrated high limit 1...10° rotation Electrical Protection actuator and damper insured
Functional data	Torque motor 35 in-lb (4 Nm) Operating range 1° 2...10° Direction of rotation clockwise (CW) 2...10° and CCW (CCW) 2...10° (optional) Output impedance 500 Ω for 2...10 V / 1 mΩ, 500 Ω for 4...20 mA Position feedback 2-wire Max. 10° Direction of rotation clockwise with switch 0/1 Direction of rotation 1-wire clockwise with external mounting Max. 10° Running Time (closed) 150 s (optional, independent of load) Running Time (rest) 150 s (optional, independent of load) Running Time (trip) 150 s (optional, independent of load) Name, brand, model 35 in-lb (4 Nm) Name, brand, model 35 in-lb (4 Nm) Position indicator Mechanical
Safety data	Power source UL Class 2 Supply Degree of protection IEC 60335-1 Degree of protection NEMA 4X Approval Listing UL and ENEC and CSA C22.2 No. 443 Quality standard ISO 9001 Approval for use in air pressure per Section 302.2 of the NEC and Section 612 of the NEC Ambient humidity Max. 95% RH non-condensing Ambient temperature 32...122°F (0...50°C) Storage temperature -40...147°F (-40...100°C) Sealing maintenance free

[pdf] Datasheet

new manager Datasheet LF24 SR US Belimo Damper Actuator alliedcontrols belimo datasheets |||

LF24-SR US Technical Data Sheet Modulating, Spring Return, AC 24 V/DC, for DC 2...10 V or 4...20 mA Control Signal Technical Data 1405 Power Supply 24 VAC, 20 , 50/60 Hz, 24 VDC, 10 Power consumption in operation 2.5 W Power consumption in rest 1 W position Transformer sizing 5 VA class 2...

lang:en score:34 filesize: 596.64 K page_count: 3 document date: 2020-02-10

BELIMO	
Modulating, Spring Return, AC 24 V/DC, for DC 2...10 V or 4...20 mA Control Signal	
Proportional, Spring Return, 24 V for 2 to 10 VDC or 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers	
	
	
Technical data sheet	
LF24-SR US	
Technical data	
Electrical data	Nominal voltage AC/DC 24 V Nominal voltage frequency 50/60 Hz Power consumption in operation 2.5 W Power consumption in rest position 1 W Transformer rating 5 VA Electrical Connection 3-wire (green cable), 1-wire with 1/2" NPT cable connection Damper Protection integrated high limit 1...10° rotation Electrical Protection actuator and damper insured
Functional data	Torque motor 35 in-lb (4 Nm) Operating range 1° 2...10° Direction of rotation clockwise (CW) 2...10° and CCW (CCW) 2...10° (optional) Output impedance 500 Ω for 2...10 V / 1 mΩ, 500 Ω for 4...20 mA Position feedback 2-wire Max. 10° Direction of rotation clockwise with switch 0/1 Direction of rotation 1-wire clockwise with external mounting Max. 10° Running Time (closed) 150 s (optional, independent of load) Running Time (rest) 150 s (optional, independent of load) Running Time (trip) 150 s (optional, independent of load) Name, brand, model 35 in-lb (4 Nm) Name, brand, model 35 in-lb (4 Nm) Position indicator Mechanical
Safety data	Power source UL Class 2 Supply Degree of protection IEC 60335-1 Degree of protection NEMA 4X Approval Listing UL and ENEC and CSA C22.2 No. 443 Quality standard ISO 9001 Approval for use in air pressure per Section 302.2 of the NEC and Section 612 of the NEC Ambient humidity Max. 95% RH non-condensing Ambient temperature 32...122°F (0...50°C) Storage temperature -40...147°F (-40...100°C) Sealing maintenance free
Weight	1.4 lb (0.6 kg)
Material	Aluminum anodized

[pdf] Datasheet

belimodatasheet CS Scheduler Datasheet Belimo Lf24 sr Us Damper Actuator 35 In Ib Spg Rtn 24v

Modulating Blackhawk Supply belimo LF24 SR US datasheet en us blackhawksupply net docs |||

Modulating, Spring Return, AC 24 V/DC, for DC 2...10 V or 4...20 mA Control Signal Proportional, Spring Return, 24 V for 2 to 10 VDC or 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nomi...

lang:en score:34 filesize: 504.03 K page_count: 4 document date: 2021-06-17

BELIMO																													
Chrome Plated Brass Ball and Nickel Plated Brass Stem																													
Technical data sheet																													
B308B																													
5																													
Technical data																													
Functional data	<table> <tr><td>Valve Size</td><td>0.75" (19)</td></tr> <tr><td>Port</td><td>1/2" NPT or 1/2" NPT (19)</td></tr> <tr><td>Body Pressure Rating</td><td>150 psi</td></tr> <tr><td>Body Pressure Rating (bar)</td><td>10.3 bar</td></tr> <tr><td>Close-off pressure (psi)</td><td>150 psi</td></tr> <tr><td>Close-off pressure (bar)</td><td>10.3 bar</td></tr> <tr><td>Flow characteristic</td><td>Equal percentage, 8-point modified over the constant flow</td></tr> <tr><td>Sealing</td><td>metal-to-metal</td></tr> <tr><td>Flow direction</td><td>1-way, 3-way, 4-way</td></tr> <tr><td>Leakage rate</td><td>1% for A - AB, 0.1% for B - AB</td></tr> <tr><td>Controlled flow range</td><td>2:1</td></tr> <tr><td>Cv</td><td>0.46</td></tr> <tr><td>Cv (flow rating)</td><td>As per standard chart Report: 700, 1/2" A-B</td></tr> <tr><td>Cv</td><td>0.7</td></tr> </table>	Valve Size	0.75" (19)	Port	1/2" NPT or 1/2" NPT (19)	Body Pressure Rating	150 psi	Body Pressure Rating (bar)	10.3 bar	Close-off pressure (psi)	150 psi	Close-off pressure (bar)	10.3 bar	Flow characteristic	Equal percentage, 8-point modified over the constant flow	Sealing	metal-to-metal	Flow direction	1-way, 3-way, 4-way	Leakage rate	1% for A - AB, 0.1% for B - AB	Controlled flow range	2:1	Cv	0.46	Cv (flow rating)	As per standard chart Report: 700, 1/2" A-B	Cv	0.7
Valve Size	0.75" (19)																												
Port	1/2" NPT or 1/2" NPT (19)																												
Body Pressure Rating	150 psi																												
Body Pressure Rating (bar)	10.3 bar																												
Close-off pressure (psi)	150 psi																												
Close-off pressure (bar)	10.3 bar																												
Flow characteristic	Equal percentage, 8-point modified over the constant flow																												
Sealing	metal-to-metal																												
Flow direction	1-way, 3-way, 4-way																												
Leakage rate	1% for A - AB, 0.1% for B - AB																												
Controlled flow range	2:1																												
Cv	0.46																												
Cv (flow rating)	As per standard chart Report: 700, 1/2" A-B																												
Cv	0.7																												
Materials	<table> <tr><td>Valve body</td><td>Nickel-plated brass body</td></tr> <tr><td>Stem</td><td>nickel-plated brass</td></tr> <tr><td>Seat seal</td><td>PTFE (backseat)</td></tr> <tr><td>Seat</td><td>PTFE</td></tr> <tr><td>Characterizing disk</td><td>10/32" (2.5)</td></tr> <tr><td>Signal transmitter</td><td>1/4" NPT brass cock</td></tr> <tr><td>Coilings</td><td>PTFE (backseat)</td></tr> <tr><td>Coilings</td><td>PTFE (backseat)</td></tr> <tr><td>Ball</td><td>chrome-plated brass</td></tr> </table>	Valve body	Nickel-plated brass body	Stem	nickel-plated brass	Seat seal	PTFE (backseat)	Seat	PTFE	Characterizing disk	10/32" (2.5)	Signal transmitter	1/4" NPT brass cock	Coilings	PTFE (backseat)	Coilings	PTFE (backseat)	Ball	chrome-plated brass										
Valve body	Nickel-plated brass body																												
Stem	nickel-plated brass																												
Seat seal	PTFE (backseat)																												
Seat	PTFE																												
Characterizing disk	10/32" (2.5)																												
Signal transmitter	1/4" NPT brass cock																												
Coilings	PTFE (backseat)																												
Coilings	PTFE (backseat)																												
Ball	chrome-plated brass																												
Valuable information	<table> <tr><td>Non-Spring</td><td>18</td></tr> <tr><td>Spring</td><td>1800</td></tr> <tr><td>Spring</td><td>1800</td></tr> </table>	Non-Spring	18	Spring	1800	Spring	1800																						
Non-Spring	18																												
Spring	1800																												
Spring	1800																												
Safety notes	WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.cdph.ca.gov																												
Product features	This valve is typically used in air handling units for heating or cooling coils, and for cold and heating or cooling coils. Some other common applications include air conditioning, hot and cold water, and gas lines. This valve is suitable for use in a hydraulic system with variable or constant flow.																												
www.belimo.com	B308B - 1/2" x 1/2" - 1/2" - Subject to change 1/2																												

[pdf] Datasheet

belimo B308B LF24 SR US assembly en us supplyfile docs |||

Chrome Plated Brass Ball and Nickel Plated Brass Stem Technical data sheet B308B Technical data S ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nominal voltage frequency Power consump...

lang:en score:34 filesize: 1.21 M page_count: 6 document date: 2021-07-15

BELIMO																													
Chrome Plated Brass Ball and Nickel Plated Brass Stem																													
Technical data sheet																													
B310B																													
5																													
Technical data																													
Functional data	<table> <tr><td>Valve Size</td><td>0.75" (19)</td></tr> <tr><td>Port</td><td>1/2" NPT or 1/2" NPT (19)</td></tr> <tr><td>Body Pressure Rating</td><td>150 psi</td></tr> <tr><td>Body Pressure Rating (bar)</td><td>10.3 bar</td></tr> <tr><td>Close-off pressure (psi)</td><td>150 psi</td></tr> <tr><td>Close-off pressure (bar)</td><td>10.3 bar</td></tr> <tr><td>Flow characteristic</td><td>Equal percentage, 8-point modified over the constant flow</td></tr> <tr><td>Sealing</td><td>metal-to-metal</td></tr> <tr><td>Flow direction</td><td>1-way, 3-way, 4-way</td></tr> <tr><td>Leakage rate</td><td>1% for A - AB, 0.1% for B - AB</td></tr> <tr><td>Controlled flow range</td><td>2:1</td></tr> <tr><td>Cv</td><td>0.46</td></tr> <tr><td>Cv (flow rating)</td><td>As per standard chart Report: 700, 1/2" A-B</td></tr> <tr><td>Cv</td><td>0.7</td></tr> </table>	Valve Size	0.75" (19)	Port	1/2" NPT or 1/2" NPT (19)	Body Pressure Rating	150 psi	Body Pressure Rating (bar)	10.3 bar	Close-off pressure (psi)	150 psi	Close-off pressure (bar)	10.3 bar	Flow characteristic	Equal percentage, 8-point modified over the constant flow	Sealing	metal-to-metal	Flow direction	1-way, 3-way, 4-way	Leakage rate	1% for A - AB, 0.1% for B - AB	Controlled flow range	2:1	Cv	0.46	Cv (flow rating)	As per standard chart Report: 700, 1/2" A-B	Cv	0.7
Valve Size	0.75" (19)																												
Port	1/2" NPT or 1/2" NPT (19)																												
Body Pressure Rating	150 psi																												
Body Pressure Rating (bar)	10.3 bar																												
Close-off pressure (psi)	150 psi																												
Close-off pressure (bar)	10.3 bar																												
Flow characteristic	Equal percentage, 8-point modified over the constant flow																												
Sealing	metal-to-metal																												
Flow direction	1-way, 3-way, 4-way																												
Leakage rate	1% for A - AB, 0.1% for B - AB																												
Controlled flow range	2:1																												
Cv	0.46																												
Cv (flow rating)	As per standard chart Report: 700, 1/2" A-B																												
Cv	0.7																												
Materials	<table> <tr><td>Valve body</td><td>Nickel-plated brass body</td></tr> <tr><td>Stem</td><td>nickel-plated brass</td></tr> <tr><td>Seat seal</td><td>PTFE (backseat)</td></tr> <tr><td>Seat</td><td>PTFE</td></tr> <tr><td>Characterizing disk</td><td>10/32" (2.5)</td></tr> <tr><td>Signal transmitter</td><td>1/4" NPT brass cock</td></tr> <tr><td>Coilings</td><td>PTFE (backseat)</td></tr> <tr><td>Coilings</td><td>PTFE (backseat)</td></tr> <tr><td>Ball</td><td>chrome-plated brass</td></tr> </table>	Valve body	Nickel-plated brass body	Stem	nickel-plated brass	Seat seal	PTFE (backseat)	Seat	PTFE	Characterizing disk	10/32" (2.5)	Signal transmitter	1/4" NPT brass cock	Coilings	PTFE (backseat)	Coilings	PTFE (backseat)	Ball	chrome-plated brass										
Valve body	Nickel-plated brass body																												
Stem	nickel-plated brass																												
Seat seal	PTFE (backseat)																												
Seat	PTFE																												
Characterizing disk	10/32" (2.5)																												
Signal transmitter	1/4" NPT brass cock																												
Coilings	PTFE (backseat)																												
Coilings	PTFE (backseat)																												
Ball	chrome-plated brass																												
Valuable information	<table> <tr><td>Non-Spring</td><td>18</td></tr> <tr><td>Spring</td><td>1800</td></tr> <tr><td>Spring</td><td>1800</td></tr> </table>	Non-Spring	18	Spring	1800	Spring	1800																						
Non-Spring	18																												
Spring	1800																												
Spring	1800																												
Safety notes	WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.cdph.ca.gov																												
Product features	This valve is typically used in air handling units for heating or cooling coils, and for cold and heating or cooling coils. Some other common applications include air conditioning, hot and cold water, and gas lines. This valve is suitable for use in a hydraulic system with variable or constant flow.																												
www.belimo.com	B310B - 1/2" x 1/2" - 1/2" - Subject to change 1/2																												

[pdf] Datasheet

belimo B310B LF24 SR US assembly en us supplyfile docs |||

Chrome Plated Brass Ball and Nickel Plated Brass Stem Technical data sheet B310B Technical data S ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nominal voltage frequency Power consump...

lang:en score:34 filesize: 1.22 M page_count: 6 document date: 2021-07-15

BELIMO																													
Chrome Plated Brass Ball and Nickel Plated Brass Stem																													
Technical data sheet																													
B209B																													
5																													
Technical data																													
Functional data	<table> <tr><td>Valve Size</td><td>0.75" (19)</td></tr> <tr><td>Port</td><td>1/2" NPT or 1/2" NPT (19)</td></tr> <tr><td>Body Pressure Rating</td><td>150 psi</td></tr> <tr><td>Body Pressure Rating (bar)</td><td>10.3 bar</td></tr> <tr><td>Close-off pressure (psi)</td><td>150 psi</td></tr> <tr><td>Close-off pressure (bar)</td><td>10.3 bar</td></tr> <tr><td>Flow characteristic</td><td>Equal percentage</td></tr> <tr><td>Sealing</td><td>metal-to-metal</td></tr> <tr><td>Flow direction</td><td>1-way</td></tr> <tr><td>Leakage rate</td><td>1% for A - AB, 0.1% for B - AB</td></tr> <tr><td>Controlled flow range</td><td>2:1</td></tr> <tr><td>Cv</td><td>0.8</td></tr> <tr><td>Cv (flow rating)</td><td>As per standard chart Report: 700, 1/2" A-B</td></tr> <tr><td>Cv</td><td>0.7</td></tr> </table>	Valve Size	0.75" (19)	Port	1/2" NPT or 1/2" NPT (19)	Body Pressure Rating	150 psi	Body Pressure Rating (bar)	10.3 bar	Close-off pressure (psi)	150 psi	Close-off pressure (bar)	10.3 bar	Flow characteristic	Equal percentage	Sealing	metal-to-metal	Flow direction	1-way	Leakage rate	1% for A - AB, 0.1% for B - AB	Controlled flow range	2:1	Cv	0.8	Cv (flow rating)	As per standard chart Report: 700, 1/2" A-B	Cv	0.7
Valve Size	0.75" (19)																												
Port	1/2" NPT or 1/2" NPT (19)																												
Body Pressure Rating	150 psi																												
Body Pressure Rating (bar)	10.3 bar																												
Close-off pressure (psi)	150 psi																												
Close-off pressure (bar)	10.3 bar																												
Flow characteristic	Equal percentage																												
Sealing	metal-to-metal																												
Flow direction	1-way																												
Leakage rate	1% for A - AB, 0.1% for B - AB																												
Controlled flow range	2:1																												
Cv	0.8																												
Cv (flow rating)	As per standard chart Report: 700, 1/2" A-B																												
Cv	0.7																												
Materials	<table> <tr><td>Valve body</td><td>Nickel-plated brass body</td></tr> <tr><td>Stem</td><td>nickel-plated brass</td></tr> <tr><td>Seat seal</td><td>PTFE (backseat)</td></tr> <tr><td>Seat</td><td>PTFE</td></tr> <tr><td>Characterizing disk</td><td>10/32" (2.5)</td></tr> <tr><td>Signal transmitter</td><td>1/4" NPT brass cock</td></tr> <tr><td>Coilings</td><td>PTFE (backseat)</td></tr> <tr><td>Coilings</td><td>PTFE (backseat)</td></tr> <tr><td>Ball</td><td>chrome-plated brass</td></tr> </table>	Valve body	Nickel-plated brass body	Stem	nickel-plated brass	Seat seal	PTFE (backseat)	Seat	PTFE	Characterizing disk	10/32" (2.5)	Signal transmitter	1/4" NPT brass cock	Coilings	PTFE (backseat)	Coilings	PTFE (backseat)	Ball	chrome-plated brass										
Valve body	Nickel-plated brass body																												
Stem	nickel-plated brass																												
Seat seal	PTFE (backseat)																												
Seat	PTFE																												
Characterizing disk	10/32" (2.5)																												
Signal transmitter	1/4" NPT brass cock																												
Coilings	PTFE (backseat)																												
Coilings	PTFE (backseat)																												
Ball	chrome-plated brass																												
Valuable information	<table> <tr><td>Non-Spring</td><td>18</td></tr> <tr><td>Spring</td><td>1800</td></tr> <tr><td>Spring</td><td>1800</td></tr> </table>	Non-Spring	18	Spring	1800	Spring	1800																						
Non-Spring	18																												
Spring	1800																												
Spring	1800																												
Safety notes	WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.cdph.ca.gov																												
Product features	This valve is typically used in air handling units for heating or cooling coils, and for cold and heating or cooling coils. Some other common applications include air conditioning, hot and cold water, and gas lines. This valve is suitable for use in a hydraulic system with variable or constant flow.																												
www.belimo.com	B209B - 1/2" x 1/2" - 1/2" - Subject to change 1/2																												

[pdf] Datasheet

belimo B209B LF24 SR US assembly en us supplyfile docs |||

Chrome Plated Brass Ball and Nickel Plated Brass Stem Technical data sheet B209B Technical data S ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nominal voltage frequency Power consump...

lang:en score:34 filesize: 1.07 M page_count: 6 document date: 2021-06-18

Technical data sheet		B223
		
Technical data		
Functional data	Valve Size	1" (25)
	Body	316 SS or 304 SS, up to 1500 psi
	Body Pressure Rating	1500 psi (10.3 barg)
	Body Pressure Rating	1500 psi
	Body Pressure Rating	1500 psi
	Close-off pressure	200 psi
	Flow characteristics	Equal percentage
	Sealing	Maximum torque 100
	Flow direction	2 way
	Leakage rate	10% for A - AB
	Control flow range	20"
	Co	20"
	Co/Flow Rating	As per standard in chart B-223, up to 1500 psi
	Co	20"
Materials	Valve body	Stainless steel
	Stem	316 SS or 304 SS
	Stem seal	EPDM (Autoseal)
	Seat	EPDM
	Characterizing disk	100% 316
	Flow direction	100% 316
	Co/Flow	100% 316
	Co/Flow	100% 316
	Co/Flow	100% 316
	Co/Flow	100% 316
Substrate evaluation	Non-Spring	100%
	Spring	100%
Safety notes		
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov		
Product features		
Application: This valve is typically used in air handling units on heating or cooling coils, and for coil cut heating or cooling coils. Some other common applications include coil modulations. Will flow in both coil and bypass loops. This valve is suitable for use in a hydraulic system with variable flow.		
www.belimo.com		B223-rev 04-2021-06-17 - Subject to change 1/2

[\[pdf\]](#) Datasheet

Datasheet Belimo B223 lf24 sr Us Ccv 1 quot 2 Way 10 Cv W Spg Rtn 24v 10v Blackhawk Supply belimo LF24 SR US assembly en us blackhawksupply net docs |||

Stainless Steel Ball and Stem Technical data sheet B223 Technical data Safety notes Product featu ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nominal voltage frequency Power consump...

lang:en **score:34** filesize: 1.03 M page_count: 6 document date: 2021-06-18

Technical data sheet		B207B
		
Technical data		
Functional data	Valve Size	3/4" (19)
	Body	316 SS or 304 SS, up to 1500 psi
	Body Pressure Rating	1500 psi (10.3 barg)
	Body Pressure Rating	1500 psi
	Body Pressure Rating	1500 psi
	Close-off pressure	200 psi
	Flow characteristics	Equal percentage
	Sealing	Maximum torque 100
	Flow direction	2 way
	Leakage rate	10% for A - AB
	Control flow range	20"
	Co	20"
	Co/Flow Rating	As per standard in chart B-207B, up to 1500 psi
	Co	20"
Materials	Valve body	Stainless steel
	Stem	316 SS or 304 SS
	Stem seal	EPDM (Autoseal)
	Seat	EPDM
	Characterizing disk	100% 316
	Flow direction	100% 316
	Co/Flow	100% 316
	Co/Flow	100% 316
	Co/Flow	100% 316
	Co/Flow	100% 316
Substrate evaluation	Non-Spring	100%
	Spring	100%
Safety notes		
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov		
Product features		
Application: This valve is typically used in air handling units on heating or cooling coils, and for coil cut heating or cooling coils. Some other common applications include coil modulations. Will flow in both coil and bypass loops. This valve is suitable for use in a hydraulic system with variable flow.		
www.belimo.com		B207B-rev 04-2021-06-17 - Subject to change 1/2

[\[pdf\]](#) Datasheet

Datasheet Belimo B207b lf24 sr Us Ccv 0 5 2 Way 3 Cv W Spg Rtn 24v 10v Blackhawk Supply belimo B207B LF24 SR US assembly en us supplyfile docs |||

Chrome Plated Brass Ball and Nickel Plated Brass Stem Technical data sheet B207B Technical data S ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nominal voltage frequency Power consump...

lang:en **score:34** filesize: 1.07 M page_count: 6 document date: 2021-06-18

Technical data sheet		B223
		
Technical data		
Functional data	Valve Size	1" (25)
	Body	316 SS or 304 SS, up to 1500 psi
	Body Pressure Rating	1500 psi (10.3 barg)
	Body Pressure Rating	1500 psi
	Body Pressure Rating	1500 psi
	Close-off pressure	200 psi
	Flow characteristics	Equal percentage
	Sealing	Maximum torque 100
	Flow direction	2 way
	Leakage rate	10% for A - AB
	Control flow range	20"
	Co	20"
	Co/Flow Rating	As per standard in chart B-223, up to 1500 psi
	Co	20"
Materials	Valve body	Stainless steel
	Stem	316 SS or 304 SS
	Stem seal	EPDM (Autoseal)
	Seat	EPDM
	Characterizing disk	100% 316
	Flow direction	100% 316
	Co/Flow	100% 316
	Co/Flow	100% 316
	Co/Flow	100% 316
	Co/Flow	100% 316
Substrate evaluation	Non-Spring	100%
	Spring	100%
Safety notes		
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov		
Product features		
Application: This valve is typically used in air handling units on heating or cooling coils, and for coil cut heating or cooling coils. Some other common applications include coil modulations. Will flow in both coil and bypass loops. This valve is suitable for use in a hydraulic system with variable flow.		
www.belimo.com		B223-rev 04-2021-06-17 - Subject to change 1/2

[\[pdf\]](#) Datasheet

Belimo HVAC Products Blackhawk Supplybelimo B223 LF24 SR US assembly en ussupplyfile docs belimo us |||

Stainless Steel Ball and Stem Technical data sheet B223 Technical data Safety notes Product featu ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nominal voltage frequency Power consump...

lang:en **score:34** filesize: 1.03 M page_count: 6 document date: 2021-06-18

Technical data sheet		B219
		
Technical data		
Functional data	Valve Size	0.75" (20)
	Flow	1500 gpm or 1500 gpm (1500 gpm)
	Flow Range (gpm)	0.25 to 1.5 (100 to 600)
	Body Pressure Rating	600 psi
	Body Pressure Rating (bar)	40 bar
	Close-off pressure (psi)	600 psi
	Close-off pressure (bar)	40 bar
	Flow characteristics	equal percentage
	Sealing	metal-to-metal
	Flow Reversal	2 way
	Leakage rate	10% to A - AB
	Controlable flow range	25"
	Cv	70
	Cv Flow Rating	As per standard in chart Report: 70% at A - AB
	Cv	70
Materials	Valve body	nickel-plated brass body
	Stem	stainless steel
	Stem nut	316 (AISI 316)
	Seat	PTEE
	Characterizing flow	100 to 150
	Flow characteristics	equal percentage
	Close-off pressure (psi)	600 psi
	Close-off pressure (bar)	40 bar
	Flow Reversal	2 way
	Leakage rate	10% to A - AB
Substrate selection	Non-Spring	1500
	Spring	1500
	Spring	15
Safety notes		
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov		
Product features		
Application This valve is typically used in air handling units for heating or cooling coils, and for coil and heating or cooling coils. Some other common applications include air conditioning, hot water re-heaters and gas traps. This valve is suitable for use in a hydraulic system with variable flow.		
www.belimo.com		B219 - Rev. 01 - 2021-06-17 - Subject to change 1/3

[pdf] Datasheet

Datasheet Belimo B219 If24 sr Us Ccv 0 75 quot 2 Way 10 Cv W Spg Rtn 24v 10v Blackhawk Supply

belimo LF24 SR US assembly en us blackhawksupply net docs |||

Stainless Steel Ball and Stem Technical data sheet B219 Technical data Safety notes

Product featu ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air

dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal

voltage Nominal voltage frequency Power consump...

lang:en score:34 filesize: 1.14 M page_count: 7 document date: 2021-06-18

Technical data sheet		B221
		
Technical data		
Functional data	Valve Size	0.75" (20)
	Flow	1500 gpm or 1500 gpm (1500 gpm)
	Flow Range (gpm)	0.25 to 1.5 (100 to 600)
	Body Pressure Rating	600 psi
	Body Pressure Rating (bar)	40 bar
	Close-off pressure (psi)	600 psi
	Close-off pressure (bar)	40 bar
	Flow characteristics	equal percentage
	Sealing	metal-to-metal
	Flow Reversal	2 way
	Leakage rate	10% to A - AB
	Controlable flow range	25"
	Cv	70
	Cv Flow Rating	As per standard in chart Report: 70% at A - AB
	Cv	70
Materials	Valve body	nickel-plated brass body
	Stem	stainless steel
	Stem nut	316 (AISI 316)
	Seat	PTEE
	Characterizing flow	100 to 150
	Flow characteristics	equal percentage
	Close-off pressure (psi)	600 psi
	Close-off pressure (bar)	40 bar
	Flow Reversal	2 way
	Leakage rate	10% to A - AB
Substrate selection	Non-Spring	1500
	Spring	1500
	Spring	15
Safety notes		
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov		
Product features		
Application This valve is typically used in air handling units for heating or cooling coils, and for coil and heating or cooling coils. Some other common applications include air conditioning, hot water re-heaters and gas traps. This valve is suitable for use in a hydraulic system with variable flow.		
www.belimo.com		B221 - Rev. 01 - 2021-06-17 - Subject to change 1/3

[pdf] Datasheet

Datasheet Belimo B221 If24 sr Us Ccv 0 75 quot 2 Way 24 Cv W Spg Rtn 24v 10v Blackhawk Supply

belimo LF24 SR US assembly en us blackhawksupply net docs |||

Stainless Steel Ball and Stem Technical data sheet B221 Technical data Safety notes

Product featu ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air

dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal

voltage Nominal voltage frequency Power consump...

lang:en score:34 filesize: 1016.84 K page_count: 6 document date: 2021-06-18

Technical data sheet		B222
		
Technical data		
Functional data	Valve Size	1" (25)
	Flow	1500 gpm or 1500 gpm (1500 gpm)
	Flow Range (gpm)	0.25 to 1.5 (100 to 600)
	Body Pressure Rating	600 psi
	Body Pressure Rating (bar)	40 bar
	Close-off pressure (psi)	600 psi
	Close-off pressure (bar)	40 bar
	Flow characteristics	equal percentage
	Sealing	metal-to-metal
	Flow Reversal	2 way
	Leakage rate	10% to A - AB
	Controlable flow range	25"
	Cv	210
	Cv Flow Rating	As per standard in chart Report: 70% at A - AB
	Cv	210
Materials	Valve body	nickel-plated brass body
	Stem	stainless steel
	Stem nut	316 (AISI 316)
	Seat	PTEE
	Characterizing flow	100 to 150
	Flow characteristics	equal percentage
	Close-off pressure (psi)	600 psi
	Close-off pressure (bar)	40 bar
	Flow Reversal	2 way
	Leakage rate	10% to A - AB
Substrate selection	Non-Spring	1500
	Spring	1500
	Spring	15
Safety notes		
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov		
Product features		
Application This valve is typically used in air handling units for heating or cooling coils, and for coil and heating or cooling coils. Some other common applications include air conditioning, hot water re-heaters and gas traps. This valve is suitable for use in a hydraulic system with variable flow.		
www.belimo.com		B222 - Rev. 01 - 2021-06-17 - Subject to change 1/2

[pdf] Datasheet

Datasheet Belimo B222 If24 sr Us Ccv 1 quot 2 Way 7 4 Cv W Spg Rtn 24v 10v Blackhawk Supply

belimo LF24 SR US assembly en us blackhawksupply net docs |||

Stainless Steel Ball and Stem Technical data sheet B222 Technical data Safety notes

Product featu ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air

dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal

voltage Nominal voltage frequency Power consump...

lang:en score:34 filesize: 1.03 M page_count: 6 document date: 2021-06-18

Technical data sheet		B210
		
Technical data		
Functional data	Valve Size	1/2" (12.5)
	Port	1/2" NPT or 1/2" BSP, up to 1000 gpm
	Body Temp. Range (degrees)	0...200°F (0...100°C)
	Body Pressure Rating	600 psi
	Body Pressure Rating (bar)	40 bar
	Close-off pressure (psi)	200 psi
	Close-off pressure (bar)	14 bar
	Flow characteristic	equal percentage
	Sealing	maintained zero leak
	Flow Reversal	2 way
	Leakage rate	10 to 14 A-A
	Controlable flow range	25:1
	Cv	1.2
	Cv/Flow Rating	A-rated as standard on chart Bp201: 100, 100 A-A
Materials	Valve body	nickel-plated brass body
	Stem	stainless steel
	Stem nut	(POM) (polymer)
	Gasket	PTFE
	Chemical compatibility	100% (A-A)
	Pipe connection	NPT female end
	G-ring	(POM) (polymer)
	Ball	stainless steel
	Ball Spring	18
	Spring	18000
Safety notes		
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov		
Product features		
Application: This valve is typically used in air handling units for heating or cooling coils, and for cold and heating or cooling coils. Some other common applications include air conditioning, hot and cold water, and gas lines. This valve is suitable for use in a system with variable flow.		
www.belimo.com		B210-rev-01-2021-06-17 / Subject to change 1/3

[\[pdf\]](#) Datasheet

Datasheet Belimo B210 If24 sr Us Ccv 0 5 quot 2 Way 1 Cv W Spg Rtn 24v 10v Blackhawk Supply

belimo LF24 SR US assembly en us blackhawksupply net docs |||

Stainless Steel Ball and Stem Technical data sheet B210 Technical data Safety notes

Product featu ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air

dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal

voltage Nominal voltage frequency Power consump...

lang:en **score:34** filesize: 1.14 M page_count: 7 document date: 2021-06-18

Technical data sheet		B212
		
Technical data		
Functional data	Valve Size	1/2" (12.5)
	Port	1/2" NPT or 1/2" BSP, up to 1000 gpm
	Body Temp. Range (degrees)	0...200°F (0...100°C)
	Body Pressure Rating	600 psi
	Body Pressure Rating (bar)	40 bar
	Close-off pressure (psi)	200 psi
	Close-off pressure (bar)	14 bar
	Flow characteristic	equal percentage
	Sealing	maintained zero leak
	Flow Reversal	2 way
	Leakage rate	10 to 14 A-A
	Controlable flow range	25:1
	Cv	1.2
	Cv/Flow Rating	A-rated as standard on chart Bp201: 100, 100 A-A
Materials	Valve body	nickel-plated brass body
	Stem	stainless steel
	Stem nut	(POM) (polymer)
	Gasket	PTFE
	Chemical compatibility	100% (A-A)
	Pipe connection	NPT female end
	G-ring	(POM) (polymer)
	Ball	stainless steel
	Ball Spring	18
	Spring	18000
Safety notes		
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov		
Product features		
Application: This valve is typically used in air handling units for heating or cooling coils, and for cold and heating or cooling coils. Some other common applications include air conditioning, hot and cold water, and gas lines. This valve is suitable for use in a system with variable flow.		
www.belimo.com		B212-rev-01-2021-06-17 / Subject to change 1/3

[\[pdf\]](#) Datasheet

Datasheet Belimo B212 If24 sr Us Ccv 0 5 quot 2 Way 3 Cv W Spg Rtn 24v 10v Blackhawk Supply

belimo LF24 SR US assembly en us blackhawksupply net docs |||

Stainless Steel Ball and Stem Technical data sheet B212 Technical data Safety notes

Product featu ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air

dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal

voltage Nominal voltage frequency Power consump...

lang:en **score:34** filesize: 1.14 M page_count: 7 document date: 2021-06-18

Technical data sheet		B225HT2800
		
Type overview		
Type		18
Type		18
Technical data		
Functional data	Valve size (inch)	1" (25.4)
	Port	1" NPT or 1" BSP, up to 1000 gpm
	Body Temp. Range (degrees)	0...200°F (0...100°C)
	Body Pressure Rating	2000 psi (13.8 bar)
	Body Pressure Rating (bar)	13.8 bar
	Close-off pressure (psi)	200 psi
	Close-off pressure (bar)	14 bar
	Flow characteristic	equal percentage
	Sealing	maintained zero leak
	Max. Differential Pressure (Bar)	13.8 bar
	Flow Reversal	2 way
	Leakage rate	10
	Controlable flow range	25:1
	Cv	28
Materials	Valve body	nickel-plated brass (20% Ni-Cu-20% Zn)
	Stem	stainless steel
	Stem nut	stainless steel
	Gasket	PTFE
	Chemical compatibility	100%
	Pipe connection	NPT female end
	G-ring	(POM) (polymer)
	Ball	stainless steel
	Ball Spring	18000
	Spring	18
Safety notes		
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov		
www.belimo.com		B225HT2800-rev-01-2022-01-13 / Subject to change 1/3

[\[pdf\]](#) Datasheet

Datasheet Belimo B225ht2800 If24 sr Us Httccv 1 quot 2 Way 28 Cv W Spg Rtn 24v 10v Blackhawk

Supply belimo B225HT2800 LF24 SR US assembly en us blackhawksupply net docs |||

Stainless Steel Ball and Stem Technical data sheet B225HT2800 Type overview Type

B225HT2800 Techn ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of

air dampers Technical data sheet **LF24-SR US** Technical data www.belimo.com

Electrical data Nominal voltage Nominal voltage frequenc...

lang:en **score:34** filesize: 1.03 M page_count: 6 document date: 2022-01-13

Technical data sheet		B230
		
		
Technical data		
Functional data	Valve Size	1/2" (15.24 mm)
	Port	1/2" (15.24 mm) or 1/4" (6.35 mm) up to 1/2" (15.24 mm)
	Body Pressure Rating	150 psi (10.34 bar)
	Body Pressure Rating	150 psi (10.34 bar)
	Close-off pressure	150 psi (10.34 bar)
	Flow characteristics	Equal percentage
	Sealing	metal-to-metal
	Face Finish	2 way
	Leakage rate	1% for A - AB
	Controlable flow range	20:1
	Cv	2.0
	Max. Operating Temp.	300 °F (150 °C)
Materials	Valve body	Stainless steel
	Stem	Stainless steel
	Seat	PTFE (Elastomer)
	Ball	PTFE
	Checkering disk	1011/15
	Diaphragm disk	1011/15
	Coating	PTFE (Elastomer)
	Ball	1011/15
	Seal	1011/15
	Non-Spring	1500
	Spring	15
Safety notes		
 * WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p66.com/go/lead.		
Product features		
Application This valve is typically used in air handling units for heating or cooling coils, and for coil and heating or cooling coils. Some other common applications include coil reheat coils, coil reheat coils, and coil reheat coils. This valve is suitable for use in a hydraulic system with variable flow.		
www.belimo.com		B230 - Rev. 01 - 2021-06-17 - Subject to change 1/2

[pdf] Datasheet

Datasheet Belimo B230 If24 sr Us Ccv 1 25 quot 2 Way 19 Cv W Spg Rtn 24v 10v Blackhawk Supply

belimo LF24 SR US assembly en us blackhawksupply net docs |||

Stainless Steel Ball and Stem Technical data sheet B230 Technical data Safety notes

Product featu ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air

dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal

voltage Nominal voltage frequency Power consump...

lang:en score:34 filesize: 1.06 M page_count: 6 document date: 2021-06-18

Technical data sheet		B207
		
		
Technical data		
Functional data	Valve Size	1/2" (15.24 mm)
	Port	1/2" (15.24 mm) or 1/4" (6.35 mm) up to 1/2" (15.24 mm)
	Body Pressure Rating	150 psi (10.34 bar)
	Body Pressure Rating	150 psi (10.34 bar)
	Close-off pressure	150 psi (10.34 bar)
	Flow characteristics	Equal percentage
	Sealing	metal-to-metal
	Face Finish	2 way
	Leakage rate	1% for A - AB
	Controlable flow range	20:1
	Cv	2.0
	Cv Flow Rating	Equal as standard closed Report: 10% with - AB
Materials	Valve body	Stainless steel
	Stem	Stainless steel
	Seat	PTFE (Elastomer)
	Ball	PTFE
	Checkering disk	1011/15
	Diaphragm disk	1011/15
	Coating	PTFE (Elastomer)
	Ball	1011/15
	Seal	1011/15
	Non-Spring	15
	Spring	1500
Safety notes		
 * WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p66.com/go/lead.		
Product features		
Application This valve is typically used in air handling units for heating or cooling coils, and for coil and heating or cooling coils. Some other common applications include coil reheat coils, coil reheat coils, and coil reheat coils. This valve is suitable for use in a hydraulic system with variable flow.		
www.belimo.com		B207 - Rev. 01 - 2021-06-17 - Subject to change 1/2

[pdf] Datasheet

Datasheet Belimo B207 If24 sr Us Ccv 0 5 quot 2 Way 3 Cv W Spg Rtn 24v 10v Blackhawk Supply

belimo LF24 SR US assembly en us blackhawksupply net docs |||

Stainless Steel Ball and Stem Technical data sheet B207 Technical data Safety notes

Product featu ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air

dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal

voltage Nominal voltage frequency Power consump...

lang:en score:34 filesize: 1.14 M page_count: 7 document date: 2021-06-18

Technical data sheet		B208
		
		
Technical data		
Functional data	Valve Size	1/2" (15.24 mm)
	Port	1/2" (15.24 mm) or 1/4" (6.35 mm) up to 1/2" (15.24 mm)
	Body Pressure Rating	150 psi (10.34 bar)
	Body Pressure Rating	150 psi (10.34 bar)
	Close-off pressure	150 psi (10.34 bar)
	Flow characteristics	Equal percentage
	Sealing	metal-to-metal
	Face Finish	2 way
	Leakage rate	1% for A - AB
	Controlable flow range	20:1
	Cv	2.0
	Cv Flow Rating	Equal as standard closed Report: 10% with - AB
Materials	Valve body	Stainless steel
	Stem	Stainless steel
	Seat	PTFE (Elastomer)
	Ball	PTFE
	Checkering disk	1011/15
	Diaphragm disk	1011/15
	Coating	PTFE (Elastomer)
	Ball	1011/15
	Seal	1011/15
	Non-Spring	15
	Spring	1500
Safety notes		
 * WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p66.com/go/lead.		
Product features		
Application This valve is typically used in air handling units for heating or cooling coils, and for coil and heating or cooling coils. Some other common applications include coil reheat coils, coil reheat coils, and coil reheat coils. This valve is suitable for use in a hydraulic system with variable flow.		
www.belimo.com		B208 - Rev. 01 - 2021-06-17 - Subject to change 1/2

[pdf] Datasheet

Datasheet Belimo B208 If24 sr Us Ccv 0 5 quot 2 Way 46 Cv W Spg Rtn 24v 10v Blackhawk Supply

belimo LF24 SR US assembly en us blackhawksupply net docs |||

Stainless Steel Ball and Stem Technical data sheet B208 Technical data Safety notes

Product featu ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air

dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal

voltage Nominal voltage frequency Power consump...

lang:en score:34 filesize: 1.14 M page_count: 7 document date: 2021-06-18

[illegible]

[\[pdf\]](#) Datasheet

Datasheet Belimo B225ht731 If24 sr Us Htccv 1 quot 2 Way 7 31 Cv W Spg Rtn 24v 10v Blackhawk

Supply belimo B225HT731 LF24 SR US assembly en us blackhawksupply net docs |||

Stainless Steel Ball and Stem Technical data sheet B225HT731 Type overview Type B225HT731 Technic ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data www.belimo.com

Electrical data Nominal voltage Nominal voltage frequenc...

lang:en score:33 filesize: 1.03 M page_count: 6 document date: 2022-01-13

BEIMO
Stainless Steel Ball and Stem

Technical data sheet

8137

Technical data

Functional data	Working size	0.75" - 2"
	Range	0.25 to 1.0 turns up to fully open
	Flow: Free Flow (angle degree)	0.57 - 1.71 - 1.871
	Body Pressure Rating	150PSI
	Body pressure working class	400PSI
	Cost of pressure loss	100PSI
	Flow characteristic	equal percentage
	Sealing	graphite packing
	Flow direction	2 way
	Working class	150" - 1.80
Materials	Corrosion free range	25° - 70°
	CF	
	CF/Flare Sealing	4-point or standard or other: 70% up to -40°
	Hand body	nickel-plated brass body
	Stem	corrosion steel
	Stem seal	CFM (carbon steel)
	CF	CF
	Chambering steel	316 SS
	Ball or connector	NPT 1/2 and 3/4"
	Plug	CFM (carbon steel)
Suitable actuators	Act	carbon steel
	Hand Spring	16
		24000
	Spring	1/4" x 1/2"

• WARNING! This production requires you to wear a knee to elbow brace of California in clean areas and appropriate work. For more information go to www.beimo.com

Safety notes

Product features

Application: This valve is typically used in air handling units for heating or cooling units, and for call and return air flowing pipes. For other customers and other types of connections, we have a technical specification. This version is suitable for air or a hydraulic system with variable flow.

www.beimo.com

8137-en-us-2024-04-15-Subject to change

1/3

[\[pdf\]](#) Datasheet

Datasheet Belimo B217 lf24 sr Us Ccv 0 75 quot 2 Way 4 7 Cv W Spg Rtn 24v 10v Blackhawk Supply

belimo LF24 SR US assembly en us blackhawksupply net docs |||

Product features 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nominal voltage frequency Power consump...

lang:en score:33 filesize: 1.14 M page_count: 7 document date: 2021-06-18

	Technical data sheet																										
Chromed Brass Ball and Hand Paint Brass Balls																											
																											
Technical data																											
Functional data	<table border="1"> <tr> <td>Water type</td><td>Hot / Cold</td></tr> <tr> <td>Size</td><td>1/2" or 3/4" or 1" or 1 1/2" or 2"</td></tr> <tr> <td>Push Range (degrees)</td><td>0 - 207° (1/2" - 1" / 0° - 171°)</td></tr> <tr> <td>Body Pressure Rating</td><td>200 psi</td></tr> <tr> <td>Body gasket seating rate</td><td>600 psi</td></tr> <tr> <td>Control pressure (psi)</td><td>100 psi</td></tr> <tr> <td>Flow characteristic</td><td>Equal percentage</td></tr> <tr> <td>Sealing</td><td>PTFE</td></tr> <tr> <td>Flow Rating</td><td>2 gpm</td></tr> <tr> <td>Utility code</td><td>15, 16, 1A, 1B</td></tr> <tr> <td>Convertible flow range</td><td>25° - 207°</td></tr> <tr> <td>Co</td><td>0</td></tr> <tr> <td>Cy/Line rating</td><td>A-rated as stated in chart Series 700, 10A - 40</td></tr> </table>	Water type	Hot / Cold	Size	1/2" or 3/4" or 1" or 1 1/2" or 2"	Push Range (degrees)	0 - 207° (1/2" - 1" / 0° - 171°)	Body Pressure Rating	200 psi	Body gasket seating rate	600 psi	Control pressure (psi)	100 psi	Flow characteristic	Equal percentage	Sealing	PTFE	Flow Rating	2 gpm	Utility code	15, 16, 1A, 1B	Convertible flow range	25° - 207°	Co	0	Cy/Line rating	A-rated as stated in chart Series 700, 10A - 40
Water type	Hot / Cold																										
Size	1/2" or 3/4" or 1" or 1 1/2" or 2"																										
Push Range (degrees)	0 - 207° (1/2" - 1" / 0° - 171°)																										
Body Pressure Rating	200 psi																										
Body gasket seating rate	600 psi																										
Control pressure (psi)	100 psi																										
Flow characteristic	Equal percentage																										
Sealing	PTFE																										
Flow Rating	2 gpm																										
Utility code	15, 16, 1A, 1B																										
Convertible flow range	25° - 207°																										
Co	0																										
Cy/Line rating	A-rated as stated in chart Series 700, 10A - 40																										
Materials	<table border="1"> <tr> <td>Body</td><td>Nickel plated brass body</td></tr> <tr> <td>Stem</td><td>chrome plated brass</td></tr> <tr> <td>Open ball</td><td>304 stainless steel</td></tr> <tr> <td>Seal</td><td>PTFE</td></tr> <tr> <td>Chromazincing (psi)</td><td>700 psi</td></tr> <tr> <td>Pipe connection</td><td>NPT / male ends</td></tr> <tr> <td>Spring</td><td>302 stainless steel</td></tr> <tr> <td>Seal</td><td>Chrome plated in air</td></tr> </table>	Body	Nickel plated brass body	Stem	chrome plated brass	Open ball	304 stainless steel	Seal	PTFE	Chromazincing (psi)	700 psi	Pipe connection	NPT / male ends	Spring	302 stainless steel	Seal	Chrome plated in air										
Body	Nickel plated brass body																										
Stem	chrome plated brass																										
Open ball	304 stainless steel																										
Seal	PTFE																										
Chromazincing (psi)	700 psi																										
Pipe connection	NPT / male ends																										
Spring	302 stainless steel																										
Seal	Chrome plated in air																										
Subtle actuation	<table border="1"> <tr> <td>Non-Spring</td><td>15A</td></tr> <tr> <td></td><td>16A</td></tr> <tr> <td>Spring</td><td>10A</td></tr> <tr> <td></td><td>40</td></tr> </table>	Non-Spring	15A		16A	Spring	10A		40																		
Non-Spring	15A																										
	16A																										
Spring	10A																										
	40																										
Safety notes																											
	• WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.cdph.ca/go																										
Product features																											
Application	This valve is typically used in, hand venting ball or heating or cooling coils, and for air and heating or cooling coils. These valves are ideal for use in air conditioning, 90% less heat resistance and longer. They are available in a wide range of sizes to fit a variety of systems with variable flow.																										

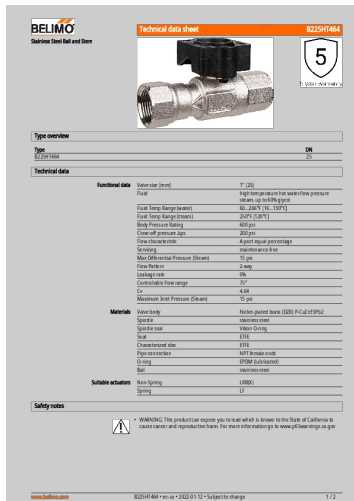
[\[pdf\]](#) Datasheet

Datasheet Belimo B208b If24 sr Us Ccv 0 5 quot 2 Way 46 Cv W Spg Rtn 24v 10v Blackhawk Supply

belimo B208B LF24 SR US assembly en us blackhawksupply net docs |||

Chrome Plated Brass Ball and Nickel Plated Brass Stem Technical data sheet B208B
 Technical data S ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air
 dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal
 voltage Nominal voltage frequency Power consump...

lang:en score:33 filesize: 1.07 M page_count: 6 document date: 2021-06-18



[pdf] Datasheet

Datasheet Belimo B225HT464 LF24 SR US assembly en us blackhawksupply net docs |||

Supply belimo B225HT464 LF24 SR US assembly en us blackhawksupply net docs |||

Stainless Steel Ball and Stem Technical data sheet B225HT464 Type overview Type B225HT464 Technic ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of

air dampers Technical data sheet **LF24-SR US** Technical data www.belimo.com

Electrical data Nominal voltage Nominal voltage frequenc...

lang:en score:33 filesize: 1.03 M page_count: 6 document date: 2022-01-13



[pdf] Datasheet

Datasheet Belimo B213 LF24 SR US assembly en us blackhawksupply net docs |||

belimo LF24 SR US assembly en us blackhawksupply net docs |||

Stainless Steel Ball and Stem Technical data sheet B213 Technical data Safety notes

Product featu ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air

dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal

voltage Nominal voltage frequency Power consump...

lang:en score:33 filesize: 1.14 M page_count: 7 document date: 2021-06-18



[pdf] Datasheet

belimo B220HT186 LF24 SR US assembly en us supplyfile |||

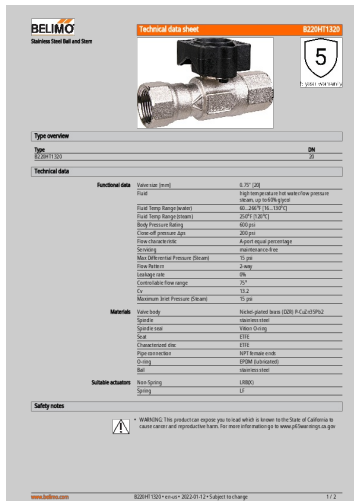
Stainless Steel Ball and Stem Technical data sheet B220HT186 Type overview Type

B220HT186 Technic ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of

air dampers Technical data sheet **LF24-SR US** Technical data www.belimo.com

Electrical data Nominal voltage Nominal voltage frequenc...

lang:en score:33 filesize: 1.03 M page_count: 6 document date: 2022-01-13



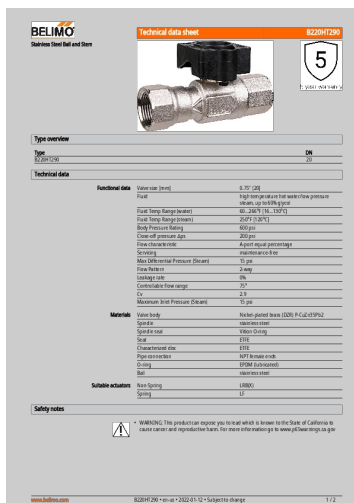
[pdf] Datasheet

belimo B220HT1320 LF Index of docs LF24 SR US assembly en us supplyfile |||

Stainless Steel Ball and Stem Technical data sheet B220HT1320 Type overview Type B220HT1320 Techn ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data www.belimo.com

Electrical data Nominal voltage Nominal voltage frequenc...

lang:en score:33 filesize: 1.03 M page_count: 6 document date: 2022-01-13



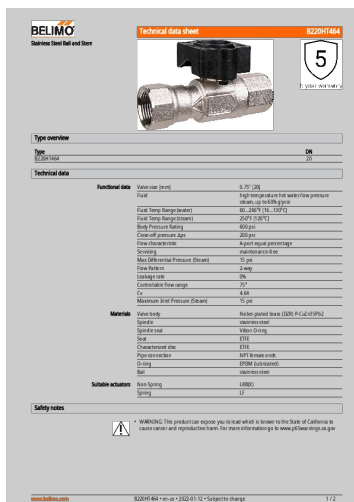
[pdf] Datasheet

belimo B220HT290 LF2 Index of docs LF24 SR US assembly en us supplyfile |||

Stainless Steel Ball and Stem Technical data sheet B220HT290 Type overview Type B220HT290 Technic ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data www.belimo.com

Electrical data Nominal voltage Nominal voltage frequenc...

lang:en score:33 filesize: 1.03 M page_count: 6 document date: 2022-01-13



[pdf] Datasheet

belimo B220HT464 LF2 Index of docs LF24 SR US assembly en us supplyfile |||

Stainless Steel Ball and Stem Technical data sheet B220HT464 Type overview Type B220HT464 Technic ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data www.belimo.com

Electrical data Nominal voltage Nominal voltage frequenc...

lang:en score:33 filesize: 1.03 M page_count: 6 document date: 2022-01-13

BELIMO		Technical data sheet	B311B
Chrome Plated Brass Ball and Nickel Plated Brass Stem			 
Technical data			
Functional data	Valve Size	0.7" (18)	
	Port	1/2" NPT or 1/2" BSPP, up to 1/2" NPT	
	Port, long flange (optional)	1/2" NPT (1/2" BSPP)	
	Body Pressure Rating	600 psi	
	Body pressure testing rate	600 psi	
	Close-off pressure (air)	200 psi	
	Flow Characteristics	Apert. Equal percentage, 8 port modification for constant flow	
	Sealing	recursion arc ball	
	Flow Direction	3-way, Mixing/Diverting	
	Leakage rate	1% (No. A - AB, -12N/A to B - AB)	
	Controlable flow range	2:1	
	Cv	0.7	
	Cv Flow Rating	Apert. as standard in chart Report: 70% air @ -120	
	Materials	Valve body	Nickel-plated brass body
Stem		valve plated brass	
Stem seal		(PDM) (optional)	
Gasket		PTFE	
Characterizing data		10/12/10	
Significance		10/12/10	
C-ring		(PDM) (optional)	
Ball		chrome plated brass	
Valve actuation	Non-Spring	18	
	Spring	1800	
Safety notes			
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov			
Product features			
Application: This valve is typically used in air handling units for heating or cooling coils, and for cold and heating or cooling coils. Some other common applications include air conditioning, hot and cold water, and gas supply lines. This valve is suitable for use in a hydraulic system with variable or constant flow.			
www.belimo.com		B311B Rev. 04-2020-01-15 Subject to change	1/2

[pdf] Datasheet

B311B LF24 SR US Flow Industrialbelimo assembly en ussupplyfile docs belimo us |||

Chrome Plated Brass Ball and Nickel Plated Brass Stem Technical data sheet B311B

Technical data S ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air

dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal

voltage Nominal voltage frequency Power consump...

lang:en score:33 filesize: 1.22 M page_count: 6 document date: 2021-07-15

BELIMO Stainless Steel Ball and Stem		Technical data sheet	B325
			 
Technical data			
Functional data	Valve Size	1" (25)	
	Port	1/2" NPT or 1/2" BSPP, up to 1/2" NPT	
	Port, long flange (optional)	1/2" NPT (1/2" BSPP)	
	Body Pressure Rating	600 psi	
	Body pressure testing rate	600 psi	
	Close-off pressure (air)	200 psi	
	Flow Characteristics	Apert. equal percentage, 8 port modification for constant control flow	
	Sealing	recursion arc ball	
	Flow Direction	3-way, Mixing/Diverting	
	Leakage rate	1% (No. A - AB, -12N/A to B - AB)	
	Controlable flow range	2:1	
	Cv	0.7	
	Cv Flow Rating	Apert. as standard in chart Report: 70% air @ -120	
	Materials	Valve body	Nickel-plated brass body
Stem		stainless steel	
Stem seal		(PDM) (optional)	
Gasket		PTFE	
Characterizing data		10/12/10	
Significance		10/12/10	
Valve actuation	Non-Spring	1800	
	Spring	1800/184	
	Spring	1800/184	
	Spring	1800/184	
Safety notes			
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov			
Product features			
Application: This valve is typically used in air handling units for heating or cooling coils, and for cold and heating or cooling coils. Some other common applications include air conditioning, hot and cold water, and gas supply lines. This valve is suitable for use in a hydraulic system with variable or constant flow.			
www.belimo.com		B325 Rev. 04-2020-01-15 Subject to change 1/2	

[pdf] Datasheet

B325 LF24 SR US Flow Industrialbelimo assembly en ussupplyfile docs belimo us |||

Stainless Steel Ball and Stem Technical data sheet B325 Technical data Safety notes

Product featu ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air

dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal

voltage Nominal voltage frequency Power consump...

lang:en score:33 filesize: 1.23 M page_count: 6 document date: 2021-07-15

BELIMO		Technical data sheet	B320
Stainless Steel Ball and Stem			 
Technical data			
Functional data	Valve Size	0.7" (18)	
	Port	1/2" NPT or 1/2" BSPP, up to 1/2" NPT	
	Port, long flange (optional)	1/2" NPT (1/2" BSPP)	
	Body Pressure Rating	600 psi	
	Body pressure testing rate	600 psi	
	Close-off pressure (air)	200 psi	
	Flow characteristics	Apert. equal percentage, 8 port modification for constant control flow	
	Sealing	recursion arc ball	
	Flow Direction	3-way, Mixing/Diverting	
	Leakage rate	1% (No. A - AB, -12N/A to B - AB)	
	Controlable flow range	2:1	
	Cv	0.7	
	Cv Flow Rating	Apert. as standard in chart Report: 70% air @ -120	
	Materials	Valve body	Nickel-plated brass body
Stem		stainless steel	
Stem seal		(PDM) (optional)	
Gasket		PTFE	
Characterizing data		10/12/10	
Significance		10/12/10	
Valve actuation	C-ring	(PDM) (optional)	
	Ball	stainless steel	
	Non-Spring	1800	
	Spring	1800/184	
Safety notes			
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov			
Product features		Application: This valve is typically used in air handling units for heating or cooling coils, and for cold and heating or cooling coils. Some other common applications include air conditioning, hot and cold water, and gas supply lines. This valve is suitable for use in a hydraulic system with variable or constant flow.	
www.belimo.com		B320 Rev. 04-2020-01-15 Subject to change 1/2	

[pdf] Datasheet

B320 LF24 SR US Flow Industrialbelimo assembly en ussupplyfile docs belimo us |||

Stainless Steel Ball and Stem Technical data sheet B320 Technical data Safety notes

Product featu ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air

dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal

voltage Nominal voltage frequency Power consump...

lang:en score:33 filesize: 1.24 M page_count: 6 document date: 2021-07-15

 Technical data sheet																													
 Chrome Plated Brass Ball and Nickel Plated Brass Stem																													
																													
																													
Technical data																													
<table border="1"> <thead> <tr> <th>Functional data</th><th></th></tr> </thead> <tbody> <tr> <td>Valve Size</td><td>0.75" (20)</td></tr> <tr> <td>Rated</td><td>1/2" (12.7) in bore, up to 1000 psi</td></tr> <tr> <td>Rated Temp. Range (degrees)</td><td>0...250°F (0...127°C)</td></tr> <tr> <td>Body Pressure Rating</td><td>600 psi</td></tr> <tr> <td>Body Pressure Rating (bar)</td><td>40 bar</td></tr> <tr> <td>Control pressure (psi)</td><td>20 psi</td></tr> <tr> <td>Flow characteristics</td><td>A-point equal percentage, B-point modified linear for constant flow</td></tr> <tr> <td>Sealing</td><td>metal-to-metal</td></tr> <tr> <td>Flow direction</td><td>1-way (flow direction)</td></tr> <tr> <td>Leakage rate</td><td>2% for A...AB, <2% for B...AB</td></tr> <tr> <td>Control flow range</td><td>2:1</td></tr> <tr> <td>Cv</td><td>1.2</td></tr> <tr> <td>Cv Flow Rating</td><td>A-point as stated in chart B-point: 70% of A...AB</td></tr> </tbody> </table>		Functional data		Valve Size	0.75" (20)	Rated	1/2" (12.7) in bore, up to 1000 psi	Rated Temp. Range (degrees)	0...250°F (0...127°C)	Body Pressure Rating	600 psi	Body Pressure Rating (bar)	40 bar	Control pressure (psi)	20 psi	Flow characteristics	A-point equal percentage, B-point modified linear for constant flow	Sealing	metal-to-metal	Flow direction	1-way (flow direction)	Leakage rate	2% for A...AB, <2% for B...AB	Control flow range	2:1	Cv	1.2	Cv Flow Rating	A-point as stated in chart B-point: 70% of A...AB
Functional data																													
Valve Size	0.75" (20)																												
Rated	1/2" (12.7) in bore, up to 1000 psi																												
Rated Temp. Range (degrees)	0...250°F (0...127°C)																												
Body Pressure Rating	600 psi																												
Body Pressure Rating (bar)	40 bar																												
Control pressure (psi)	20 psi																												
Flow characteristics	A-point equal percentage, B-point modified linear for constant flow																												
Sealing	metal-to-metal																												
Flow direction	1-way (flow direction)																												
Leakage rate	2% for A...AB, <2% for B...AB																												
Control flow range	2:1																												
Cv	1.2																												
Cv Flow Rating	A-point as stated in chart B-point: 70% of A...AB																												
<table border="1"> <thead> <tr> <th>Materials</th><th></th></tr> </thead> <tbody> <tr> <td>Valve body</td><td>Nickel-plated brass body</td></tr> <tr> <td>Stem</td><td>nickel-plated brass</td></tr> <tr> <td>Seat seal</td><td>EPDM (Autoseal)</td></tr> <tr> <td>Seat</td><td>EPDM</td></tr> <tr> <td>Characterizing disk</td><td>157510</td></tr> <tr> <td>Disc connection</td><td>157510 (Autoseal)</td></tr> <tr> <td>Casing</td><td>EPDM (Autoseal)</td></tr> <tr> <td>Ball</td><td>chrome-plated brass</td></tr> </tbody> </table>		Materials		Valve body	Nickel-plated brass body	Stem	nickel-plated brass	Seat seal	EPDM (Autoseal)	Seat	EPDM	Characterizing disk	157510	Disc connection	157510 (Autoseal)	Casing	EPDM (Autoseal)	Ball	chrome-plated brass										
Materials																													
Valve body	Nickel-plated brass body																												
Stem	nickel-plated brass																												
Seat seal	EPDM (Autoseal)																												
Seat	EPDM																												
Characterizing disk	157510																												
Disc connection	157510 (Autoseal)																												
Casing	EPDM (Autoseal)																												
Ball	chrome-plated brass																												
<table border="1"> <thead> <tr> <th>Substrate activation</th><th></th></tr> </thead> <tbody> <tr> <td>Non-Spring</td><td>16</td></tr> <tr> <td>Spring</td><td>1800</td></tr> </tbody> </table>		Substrate activation		Non-Spring	16	Spring	1800																						
Substrate activation																													
Non-Spring	16																												
Spring	1800																												
Safety notes																													
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warningsign.gov																													
Product features																													
Application																													
This valve is typically used in air handling and heating or cooling coils, and for cold and heating or cooling coils. Some other customer applications include air conditioning, VAV boxes, hydronic coil bypass. This valve is suitable for air and hydronic systems with variable or constant flow.																													
www.belimo.com																													

[pdf] Datasheet

B310B LF24 SR US Flow Industrialbelimo assembly en ussupplyfile docs belimo us |||

Chrome Plated Brass Ball and Nickel Plated Brass Stem Technical data sheet B310B Technical data S ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nominal voltage frequency Power consump...

lang:en score:33 filesize: 1.22 M page_count: 6 document date: 2021-07-15

 Technical data sheet																													
 Stainless Steel Ball and Stem																													
																													
																													
Technical data																													
<table border="1"> <thead> <tr> <th>Functional data</th><th></th></tr> </thead> <tbody> <tr> <td>Valve Size</td><td>0.75" (20)</td></tr> <tr> <td>Rated</td><td>1/2" (12.7) in bore, up to 1000 psi</td></tr> <tr> <td>Rated Temp. Range (degrees)</td><td>0...250°F (0...127°C)</td></tr> <tr> <td>Body Pressure Rating</td><td>600 psi</td></tr> <tr> <td>Body Pressure Rating (bar)</td><td>40 bar</td></tr> <tr> <td>Control pressure (psi)</td><td>20 psi</td></tr> <tr> <td>Flow characteristics</td><td>A-point equal percentage, B-point modified linear for constant flow</td></tr> <tr> <td>Sealing</td><td>metal-to-metal</td></tr> <tr> <td>Flow direction</td><td>1-way (flow direction)</td></tr> <tr> <td>Leakage rate</td><td>2% for A...AB, <2% for B...AB</td></tr> <tr> <td>Control flow range</td><td>2:1</td></tr> <tr> <td>Cv</td><td>1.4</td></tr> <tr> <td>Cv Flow Rating</td><td>A-point as stated in chart B-point: 70% of A...AB</td></tr> </tbody> </table>		Functional data		Valve Size	0.75" (20)	Rated	1/2" (12.7) in bore, up to 1000 psi	Rated Temp. Range (degrees)	0...250°F (0...127°C)	Body Pressure Rating	600 psi	Body Pressure Rating (bar)	40 bar	Control pressure (psi)	20 psi	Flow characteristics	A-point equal percentage, B-point modified linear for constant flow	Sealing	metal-to-metal	Flow direction	1-way (flow direction)	Leakage rate	2% for A...AB, <2% for B...AB	Control flow range	2:1	Cv	1.4	Cv Flow Rating	A-point as stated in chart B-point: 70% of A...AB
Functional data																													
Valve Size	0.75" (20)																												
Rated	1/2" (12.7) in bore, up to 1000 psi																												
Rated Temp. Range (degrees)	0...250°F (0...127°C)																												
Body Pressure Rating	600 psi																												
Body Pressure Rating (bar)	40 bar																												
Control pressure (psi)	20 psi																												
Flow characteristics	A-point equal percentage, B-point modified linear for constant flow																												
Sealing	metal-to-metal																												
Flow direction	1-way (flow direction)																												
Leakage rate	2% for A...AB, <2% for B...AB																												
Control flow range	2:1																												
Cv	1.4																												
Cv Flow Rating	A-point as stated in chart B-point: 70% of A...AB																												
<table border="1"> <thead> <tr> <th>Materials</th><th></th></tr> </thead> <tbody> <tr> <td>Valve body</td><td>Nickel-plated brass body</td></tr> <tr> <td>Stem</td><td>stainless steel</td></tr> <tr> <td>Seat seal</td><td>EPDM (Autoseal)</td></tr> <tr> <td>Seat</td><td>EPDM</td></tr> <tr> <td>Characterizing disk</td><td>157510</td></tr> <tr> <td>Disc connection</td><td>157510 (Autoseal)</td></tr> <tr> <td>Casing</td><td>EPDM (Autoseal)</td></tr> <tr> <td>Ball</td><td>stainless steel</td></tr> </tbody> </table>		Materials		Valve body	Nickel-plated brass body	Stem	stainless steel	Seat seal	EPDM (Autoseal)	Seat	EPDM	Characterizing disk	157510	Disc connection	157510 (Autoseal)	Casing	EPDM (Autoseal)	Ball	stainless steel										
Materials																													
Valve body	Nickel-plated brass body																												
Stem	stainless steel																												
Seat seal	EPDM (Autoseal)																												
Seat	EPDM																												
Characterizing disk	157510																												
Disc connection	157510 (Autoseal)																												
Casing	EPDM (Autoseal)																												
Ball	stainless steel																												
<table border="1"> <thead> <tr> <th>Substrate activation</th><th></th></tr> </thead> <tbody> <tr> <td>Non-Spring</td><td>16</td></tr> <tr> <td>Spring</td><td>1800</td></tr> </tbody> </table>		Substrate activation		Non-Spring	16	Spring	1800																						
Substrate activation																													
Non-Spring	16																												
Spring	1800																												
Safety notes																													
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warningsign.gov																													
www.belimo.com																													

[pdf] Datasheet

Datasheet Belimo B318 If24 sr Us Ccv 0 75 3 Way 7 4 Cv W Spg Rtn 24v 2 10v Midwest Supply v1

supplyfile docs belimo LF24 SR US assembly en us |||

Stainless Steel Ball and Stem Technical data sheet B318 Technical data Safety notes Functional d ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nominal voltage frequency Power consump...

lang:en score:33 filesize: 1.35 M page_count: 7 document date: 2021-07-15

 Technical data sheet																															
 Stainless Steel Ball and Stem																															
																															
																															
Technical data																															
<table border="1"> <thead> <tr> <th>Functional data</th><th></th></tr> </thead> <tbody> <tr> <td>Valve Size (mm)</td><td>0.75" (20)</td></tr> <tr> <td>Rated</td><td>High temperature hot water/steam pressure (max. up to 1000 psi)</td></tr> <tr> <td>Rated Temp. Range (degrees)</td><td>0...250°F (0...127°C)</td></tr> <tr> <td>Body Pressure Rating</td><td>600 psi</td></tr> <tr> <td>Body Pressure Rating (bar)</td><td>40 bar</td></tr> <tr> <td>Control pressure (psi)</td><td>20 psi</td></tr> <tr> <td>Flow characteristics</td><td>A-point equal percentage</td></tr> <tr> <td>Sealing</td><td>metal-to-metal</td></tr> <tr> <td>Max. Differential Pressure (Bar)</td><td>15 bar</td></tr> <tr> <td>Flow direction</td><td>1-way</td></tr> <tr> <td>Leakage rate</td><td>2%</td></tr> <tr> <td>Control flow range</td><td>2:1</td></tr> <tr> <td>Cv</td><td>2.1</td></tr> <tr> <td>Maximum Steel Pressure (Bar)</td><td>15 bar</td></tr> </tbody> </table>		Functional data		Valve Size (mm)	0.75" (20)	Rated	High temperature hot water/steam pressure (max. up to 1000 psi)	Rated Temp. Range (degrees)	0...250°F (0...127°C)	Body Pressure Rating	600 psi	Body Pressure Rating (bar)	40 bar	Control pressure (psi)	20 psi	Flow characteristics	A-point equal percentage	Sealing	metal-to-metal	Max. Differential Pressure (Bar)	15 bar	Flow direction	1-way	Leakage rate	2%	Control flow range	2:1	Cv	2.1	Maximum Steel Pressure (Bar)	15 bar
Functional data																															
Valve Size (mm)	0.75" (20)																														
Rated	High temperature hot water/steam pressure (max. up to 1000 psi)																														
Rated Temp. Range (degrees)	0...250°F (0...127°C)																														
Body Pressure Rating	600 psi																														
Body Pressure Rating (bar)	40 bar																														
Control pressure (psi)	20 psi																														
Flow characteristics	A-point equal percentage																														
Sealing	metal-to-metal																														
Max. Differential Pressure (Bar)	15 bar																														
Flow direction	1-way																														
Leakage rate	2%																														
Control flow range	2:1																														
Cv	2.1																														
Maximum Steel Pressure (Bar)	15 bar																														
<table border="1"> <thead> <tr> <th>Materials</th><th></th></tr> </thead> <tbody> <tr> <td>Valve body</td><td>Nickel-plated brass (B20) P-62-10752</td></tr> <tr> <td>Stem</td><td>stainless steel</td></tr> <tr> <td>Seat seal</td><td>EPDM (Autoseal)</td></tr> <tr> <td>Seat</td><td>EPDM</td></tr> <tr> <td>Characterizing disk</td><td>157510</td></tr> <tr> <td>Disc connection</td><td>157510 (Autoseal)</td></tr> <tr> <td>Casing</td><td>EPDM (Autoseal)</td></tr> <tr> <td>Ball</td><td>stainless steel</td></tr> </tbody> </table>		Materials		Valve body	Nickel-plated brass (B20) P-62-10752	Stem	stainless steel	Seat seal	EPDM (Autoseal)	Seat	EPDM	Characterizing disk	157510	Disc connection	157510 (Autoseal)	Casing	EPDM (Autoseal)	Ball	stainless steel												
Materials																															
Valve body	Nickel-plated brass (B20) P-62-10752																														
Stem	stainless steel																														
Seat seal	EPDM (Autoseal)																														
Seat	EPDM																														
Characterizing disk	157510																														
Disc connection	157510 (Autoseal)																														
Casing	EPDM (Autoseal)																														
Ball	stainless steel																														
<table border="1"> <thead> <tr> <th>Substrate activation</th><th></th></tr> </thead> <tbody> <tr> <td>Non-Spring</td><td>1600</td></tr> <tr> <td>Spring</td><td>1800</td></tr> </tbody> </table>		Substrate activation		Non-Spring	1600	Spring	1800																								
Substrate activation																															
Non-Spring	1600																														
Spring	1800																														
Safety notes																															
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warningsign.gov																															
www.belimo.com																															

[pdf] Datasheet

Datasheet Belimo B220ht731 If24 sr Us Htccv 0 75 quot 2 Way 7 31 Cv W Spg Rtn 24v 10v Blackhawk

Supply belimo B220HT731 LF24 SR US assembly en us blackhawksupply net docs |||

Stainless Steel Ball and Stem Technical data sheet B220HT731 Type overview Type B220HT731 Technic ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data www.belimo.com Electrical data Nominal voltage Nominal voltage frequenc...

lang:en score:33 filesize: 1.03 M page_count: 6 document date: 2022-01-13

Technical data sheet		B317
		 
Technical data		
Functional data		
Valve Size	0.75" (20)	
Seat	100psi or 100bar, up to 1000 psi	
Body Pressure Rating	1500 psi (10.3 MPa)	
Body Pressure Rating	1000 psi	
Body Pressure Rating	1000 psi	
Close-off pressure	200 psi	
Flow Characteristics	Apert. equal percentage, 8-point modulator	
Sealing	excellent to free	
Flow Reversal	2-way, 3-way, 4-way	
Leakage rate	1% for A - AB, 0.1% for B - AB	
Controlable flow range	2:1	
Cv	4.7	
Cv Flow Rating	Apert. as stated in chart Report: 70% air - AB	
Materials		
Valve body	nickel-plated brass body	
Seat	stainless steel	
Stem seal	PTFE (stainless)	
Seat	PTFE	
Chemical compatibility	100% (stainless)	
Pipe connection	NPT female ends	
Coating	PTFE (stainless)	
Coating	PTFE (stainless)	
Substrate activation		
Non-Spring	10	
Spring	10000 lbf	
Spring	10000 lbf	
Safety notes		
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.cdph.ca.gov		
www.belimo.com		B317 - Rev. 01 - 2020-03-15 - Subject to change 1/3

[pdf] Datasheet

B317 LF24 SR US Flow Industrialbelimo assembly en ussupplyfile docs belimo us |||

Stainless Steel Ball and Stem Technical data sheet B317 Technical data Safety notes Functional d ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nominal voltage frequency Power consump...

lang:en score:33 filesize: 1.35 M page_count: 7 document date: 2021-07-15

Technical data sheet		B315
		 
Technical data		
Functional data		
Valve Size	0.75" (20)	
Seat	100psi or 100bar, up to 1000 psi	
Body Pressure Rating	1500 psi (10.3 MPa)	
Body Pressure Rating	1000 psi	
Body Pressure Rating	1000 psi	
Close-off pressure	200 psi	
Flow Characteristics	Apert. equal percentage, 8-point modulator	
Sealing	excellent to free	
Flow Reversal	2-way, 3-way, 4-way	
Leakage rate	1% for A - AB, 0.1% for B - AB	
Controlable flow range	2:1	
Cv	4.7	
Cv Flow Rating	Apert. as stated in chart Report: 70% air - AB	
Materials		
Valve body	nickel-plated brass body	
Seat	stainless steel	
Stem seal	PTFE (stainless)	
Seat	PTFE	
Chemical compatibility	100% (stainless)	
Pipe connection	NPT female ends	
Coating	PTFE (stainless)	
Coating	PTFE (stainless)	
Substrate activation		
Non-Spring	10	
Spring	10000 lbf	
Spring	10000 lbf	
Safety notes		
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.cdph.ca.gov		
www.belimo.com		B315 - Rev. 01 - 2020-03-15 - Subject to change 1/3

[pdf] Datasheet

B315 LF24 SR US Flow Industrialbelimo assembly en ussupplyfile docs belimo us |||

Stainless Steel Ball and Stem Technical data sheet B315 Technical data Safety notes Functional d ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nominal voltage frequency Power consump...

lang:en score:33 filesize: 1.35 M page_count: 7 document date: 2021-07-15

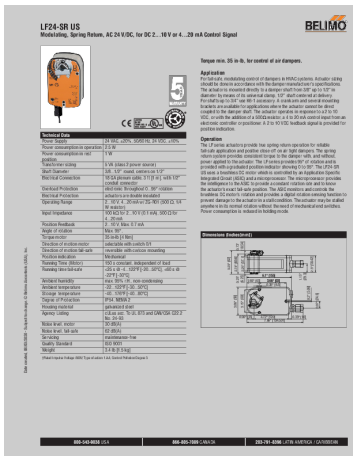
Technical data sheet		B220
		 
Technical data		
Functional data		
Valve Size	0.75" (20)	
Seat	100psi or 100bar, up to 1000 psi	
Body Pressure Rating	1500 psi (10.3 MPa)	
Body Pressure Rating	1000 psi	
Body Pressure Rating	1000 psi	
Close-off pressure	200 psi	
Flow Characteristics	Apert. equal percentage	
Sealing	excellent to free	
Flow Reversal	2-way	
Leakage rate	1% for A - AB	
Controlable flow range	2:1	
Cv	14	
Cv Flow Rating	Apert. as stated in chart Report: 70% air - AB	
Materials		
Valve body	nickel-plated brass body	
Seat	stainless steel	
Stem seal	PTFE (stainless)	
Seat	PTFE	
Chemical compatibility	100% (stainless)	
Pipe connection	NPT female ends	
Coating	PTFE (stainless)	
Coating	PTFE (stainless)	
Substrate activation		
Non-Spring	10	
Spring	10000 lbf	
Spring	10000 lbf	
Safety notes		
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.cdph.ca.gov		
Product features		
Application: This valve is designed for use in heating and air conditioning systems, and for use in heating and cooling units. Some other customer applications include fire protection, and low temperature and high pressure. This valve is suitable for use in a wide range of systems with various flow.		
www.belimo.com		B220 - Rev. 01 - 2020-06-17 - Subject to change 1/3

[pdf] Datasheet

DatasheetBelimo B220 lf24 sr Us Ccv 75 2 Way 14 Cv W Spg Rtn 24v 10v Blackhawk Supplyv1supplyfile docs belimo LF24 SR US assembly en us |||

Stainless Steel Ball and Stem Technical data sheet B220 Technical data Safety notes Product featu ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nominal voltage frequency Power consump...

lang:en score:33 filesize: 1.17 M page_count: 7 document date: 2021-06-18

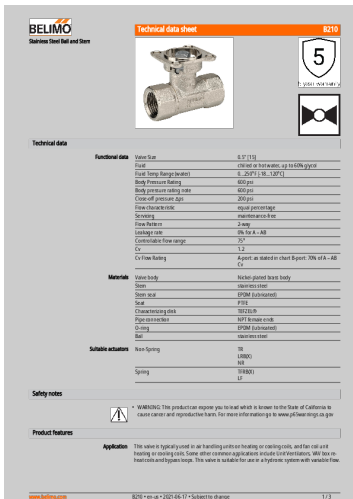


[pdf] Datasheet

new manager LF24 SR US belimo mam americas technical documents data sheets water |||

LF24-SR US Modulating, Spring Return, AC 24 V/DC, for DC 2...10 V or 4...20 mA Control Signal Technical Data 1405 Power Supply 24 VAC, 20 , 50/60 Hz, 24 VDC, 10 Power consumption in operation 2.5 W Power consumption in rest 1 W position Transformer sizing 5 VA class 2 power source Shaft...

lang:en **score:33** filesize: 596.55 K page_count: 3 document date: 2020-08-03



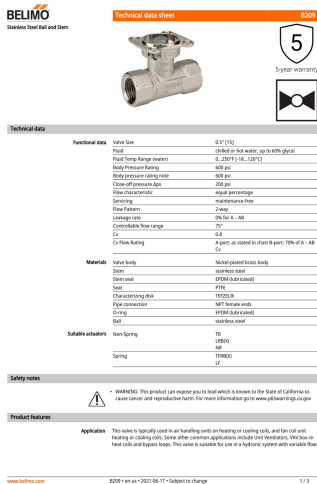
[pdf] Datasheet

DatasheetBelimo B210 lf24 sr Us Ccv 5 2 Way 1 Cv W Spg Rtn 24v 10v Midwest Supplybelimo LF24 SR

US assembly en ussupplyfile docs belimo us |||

Stainless Steel Ball and Stem Technical data sheet B210 Technical data Safety notes Product featu ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nominal voltage frequency Power consump...

lang:en **score:33** filesize: 1.14 M page_count: 7 document date: 2021-06-18



[pdf] Datasheet

DatasheetBelimo B209 lf24 sr Us Ccv 5 2 Way 8 Cv W Spg Rtn 24v 10v Blackhawk Supplybelimo LF24

SR US assembly en ussupplyfile docs belimo us |||

Stainless Steel Ball and Stem Technical data sheet B209 Technical data Safety notes Product featu ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nominal voltage frequency Power consump...

lang:en **score:33** filesize: 1.14 M page_count: 7 document date: 2021-06-18

BELIMO		Technical data sheet	B210B
Chrome Plated Brass Ball and Nickel Plated Brass Stem			
Technical data			
Functional data	Valve Size	0.7" (17.8)	
	Flow	15000 or 100000, up to 15000 gpm	
	Body Temp. Range (degrees)	0...200°F (0...100°C)	
	Body Pressure Rating	600 psi	
	Body Pressure Working Range	600 psi	
	Close-off pressure (psi)	200 psi	
	Close-off pressure (bar)	14.0 bar	
	Sealing	metal-to-metal	
	Flow Direction	2 way	
	Leakage rate	10 ⁻⁶ to 1.0 A - AB	
	Controlable flow range	25%	
	Cv	1.2	
	Cv Flow Rating	A, equal to standard or check Report: 100, 100 A - AB	
Materials	Valve body	Nickel plated brass body	
	Seat	nickel plated brass	
	Stem seal	EPDM (European)	
	Seat	PTFE	
	Chemical-resistant data	100% to 100%	
	Flange connection	NPT female end	
	Coating	EPDM (European)	
	Ball	chrome plated brass	
	Non-Spring	10000	
	Spring	10000	
Safety notes			
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p66.com/safety.go			
Product features			
Application: This valve is typically used in air handling units for heating or cooling coils, and fan coil and heating or cooling coils. Some other common applications include air conditioning, hot water, hydronic and gas systems. This valve is suitable for use in a hydraulic system with variable flow.			
www.belimo.com		B210B - rev. 04 - 2020-06-17 - Subject to change 1/2	

[pdf] Datasheet

DatasheetBelimo B210b If24 sr Us Ccv 5 2 Way 1 Cv W Spg Rtn 24v 10v Midwest Supplybelimo B210B LF24 SR US assembly en ussupplyfile docs belimo us |||

Chrome Plated Brass Ball and Nickel Plated Brass Stem Technical data sheet B210B Technical data S ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nominal voltage frequency Power consump...

lang:en **score:33** filesize: 1.07 M page_count: 6 document date: 2021-06-18

BELIMO		Technical data sheet	B208B
Chrome Plated Brass Ball and Nickel Plated Brass Stem			
Technical data			
Functional data	Valve Size	0.7" (17.8)	
	Flow	15000 or 100000, up to 15000 gpm	
	Body Temp. Range (degrees)	0...200°F (0...100°C)	
	Body Pressure Rating	600 psi	
	Body Pressure Working Range	600 psi	
	Close-off pressure (psi)	200 psi	
	Close-off pressure (bar)	14.0 bar	
	Sealing	metal-to-metal	
	Flow Direction	2 way	
	Leakage rate	10 ⁻⁶ to 1.0 A - AB	
	Controlable flow range	25%	
	Cv	1.2	
	Cv Flow Rating	A, equal to standard or check Report: 100, 100 A - AB	
	Valve body	Nickel plated brass body	
Materials	Seat	nickel plated brass	
	Stem seal	EPDM (European)	
	Seat	PTFE	
	Chemical-resistant data	100% to 100%	
	Flange connection	NPT female end	
	Coating	EPDM (European)	
	Ball	chrome plated brass	
	Non-Spring	10	
	Spring	10000	
	Spring	10	
Safety notes			
 WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p66.com/safety.go			
Product features			
Application: This valve is typically used in air handling units for heating or cooling coils, and fan coil and heating or cooling coils. Some other common applications include air conditioning, hot water, hydronic and gas systems. This valve is suitable for use in a hydraulic system with variable flow.			
www.belimo.com		B208B - rev. 04 - 2020-06-17 - Subject to change 1/2	

[pdf] Datasheet

DatasheetBelimo B208b If24 sr Us Ccv 5 2 Way 46 Cv W Spg Rtn 24v 10v Midwest Supplybelimo B208B LF24 SR US assembly en ussupplyfile docs belimo us |||

Chrome Plated Brass Ball and Nickel Plated Brass Stem Technical data sheet B208B Technical data S ... 4 to 20 mA Control Signal, Torque min. 35 in-lb, for control of air dampers Technical data sheet **LF24-SR US** Technical data Electrical data Nominal voltage Nominal voltage frequency Power consump...

lang:en **score:33** filesize: 1.07 M page_count: 6 document date: 2021-06-18