

Technical data sheet

B224VSS





Type overview

| Туре | DN |
|---------|----|
| B224VSS | 25 |
| | |

Technical data

| Functional data | Valve size [mm] | 1" [25] | | | |
|--------------------|-----------------------------------|--|--|--|--|
| | Fluid | chilled or hot water, up to 60% glycol, steam | | | |
| | Fluid Temp Range (water) | -22298°F [-30148°C] 1500 psig WOG 1000 psi | | | |
| | Body Pressure Rating | | | | |
| | Close-off pressure Δps | | | | |
| | Flow characteristic | modified equal percentage | | | |
| | Max Differential Pressure (Steam) | 50 psi | | | |
| | Flow Pattern | 2-way | | | |
| | Leakage rate | ANSI Class VI | | | |
| | Controllable flow range | 90° rotation 43 50 psi | | | |
| | Cv | | | | |
| | Maximum Inlet Pressure (Steam) | | | | |
| | Maximum Velocity | 15 FPS | | | |
| Materials | Valve body | Stainless steel A351-CF8M 316 | | | |
| | Housing seal | PTFE | | | |
| | Stem | 316 stainless steel | | | |
| | Stem seal | RPTFE | | | |
| | Seat | RPTFE | | | |
| | Lock nut | stainless steel | | | |
| | Pipe connection | SAE NPT (female connections) | | | |
| | Ball | 316 stainless steel | | | |
| Suitable actuators | Non-Spring | AMB(X) GRCB(X) | | | |
| | | GRB(X) | | | |
| | Spring | AF | | | |

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



ApplicationThese threaded values are designed to provide modulating or two position control of hot or
chilled water and saturated steam systems under 50 psi.

Typical applications include reheat coils, VAV terminal control, unit ventilators, and air handlers, especially in areas which have minimum profile requirements.

Up to 50 psi steam

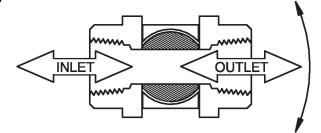
1/2" - 2000 PSIG WOG, Cold Non-Shock

Federal Specification: WW-V-35C, Type II

Composition: SS

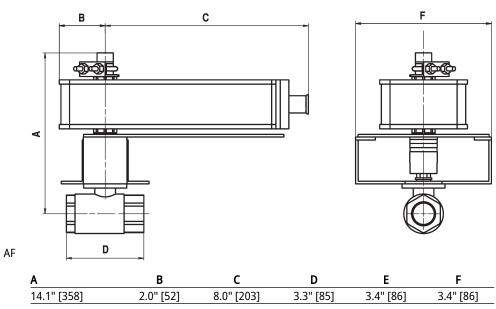
Style: 3

Flow/Mounting details

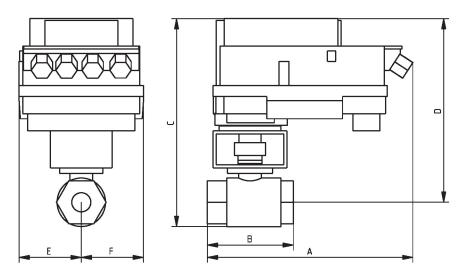


Dimensions

| Туре | DN | Weight | |
|---------|----|-------------------|--|
| B224VSS | 25 | 1.76 lb [0.80 kg] | |
| | | _ | |







B249VSS+PKR..

| Α | В | С | D | E | F |
|-------------|-----------|-------------|-------------|-----------|-----------|
| 14.1" [358] | 3.4" [86] | 12.1" [307] | 11.1" [283] | 3.4" [86] | 3.4" [86] |



Technical data sheet

AMB24-3-X1





Technical data

| Electrical data | Nominal voltage | AC/DC 24 V | | |
|-----------------|------------------------------------|--|--|--|
| | Nominal voltage frequency | 50/60 Hz | | |
| | Nominal voltage range | AC 19.228.8 V / DC 21.628.8 V | | |
| | Power consumption in operation | 2.5 W | | |
| | Power consumption in rest position | 0.5 W | | |
| | Transformer sizing | 5.5 VA | | |
| | Electrical Connection | 18 GA plenum cable, 1 m, with 1/2" NPT conduit connector, degree of protection NEM/ 2 / IP54 | | |
| | Overload Protection | electronic thoughout 090° rotation | | |
| Functional data | Direction of motion motor | selectable with switch 0/1 | | |
| | Manual override | external push button | | |
| | Angle of rotation | Max. 95° | | |
| | Angle of rotation note | adjustable with mechanical stop | | |
| | Running Time (Motor) | 90 s / 90° | | |
| | Running time motor note | constant, independent of load | | |
| | Noise level, motor | 45 dB(A) | | |
| | Position indication | Mechanical, 3065 mm stroke | | |
| Safety data | Power source UL | Class 2 Supply | | |
| | Degree of protection IEC/EN | IP54 | | |
| | Degree of protection NEMA/UL | NEMA 2 | | |
| | Enclosure | UL Enclosure Type 2 | | |
| | Agency Listing | cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02 | | |
| | | CE acc. to 2014/30/EU and 2014/35/EU | | |
| | Quality Standard | ISO 9001 | | |
| | UL 2043 Compliant | Suitable for use in air plenums per Section 300.22(C) of the NEC and Section 602 of the IMC | | |
| | Ambient humidity | Max. 95% RH, non-condensing | | |
| | Ambient temperature | -22149°F [-3065°C] | | |
| | Storage temperature | -40176°F [-4080°C] | | |
| | Servicing | maintenance-free | | |
| Weight | Weight | 2.0 lb [0.89 kg] | | |
| Materials | Housing material | Galvanized steel and plastic housing | | |

Footnotes †Rated Impulse Voltage 800V, Type action 1.B, Control Pollution Degree 3.



