

Overview

Two-way on-off low voltage valves consist of an actuator and valve assembly for controlling the flow of hot water.

Features

Manual opener (on all models, except straight-through, normally open valves) for valve operation on power failure; valve returns to automatic position when power is restored.

All models may be installed without disassembling the valve.

Compact construction for easy installation.

Complete powerhead may be removed or replaced without breaking plumbing line connections or draining the system.

Actuator motor may be replaced without removing the valve body or draining the system.

Product Specifications

Application

Hydronic Control

Dimensions (in.)

4 in. high x 3 1/2 in. wide x 2 3/8 in. deep

Dimensions (mm)

102 mm high x 89 mm wide x 60 mm deep

Comments

Use this valve in closed loop hydronic systems that do not contain dissolved oxygen in system water, such as fresh water from frequent source of makeup water. Valve designed for cycling (not constantly powered on) applications.

Frequency

50 Hz; 60 Hz

Approvals, Underwriters Laboratories Inc.

UL Recognized: File MH11826

Tradeline Value

Tradeline

Operating Humidity Range (% RH)

5 to 95% relative humidity, non-condensing.

Voltage

24 Vac; Power Consumption--7.7 VA

Timing

Nominal Open--15 sec

Ambient Temperature Range (F)

125 F Maximum

Ambient Temperature Range (C)

52 C Maximum

Connection Type

Sweat

Body Pattern

Two-way, Straight-through

Pipe Size (inch)

3/4 in.

Pipe Size (DN)

DN20

Current Draw
0.32A

Fluid Temperature (C)
10 C to 93 C

Fluid Temperature (F)
50 F to 200 F

Maximum Differential Pressure Ratings (Close-off) (psi)
20 psi

Maximum Differential Pressure Ratings (Close-off) (kPa)
138 kPa

Electrical Connections (in.)
screw terminal block

Electrical Connections (mm)
screw terminal block

Capacity (Cv)
3.5 Cv

Capacity (Kv)
3 Kv

Valve Action
Spring return to close

Valve Type
Zone Valve

Materials (Body)
Brass

Materials (Seat)
Brass

Materials (Stem)
Stainless Steel

End Switch Rating
50 VA pilot duty @ 24 V; 4.4 A running with 26.4 A inrush @ 120 V

Actuation
Two position

De-energized Position
Normally Closed

Auxiliary End Switch
N.O. SPST

Static Pressure Rating (psi)
125 psi

Static Pressure Rating (kPa)
862 kPa

Materials (Plug/Ball/Disc)
Buna-N (NBR) Rubber Ball

Materials (Packing)
EPDM rubber

Manual Opener
Yes