



V4043A1010/U

Sweat N.C. Zone Valve

Overview

Two way on-off line voltage valves consist of an actuator motor and valve assembly for controlling the flow of hot or chilled 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.
- Motor may be replaced without removing the valve body or draining the system.
- Suitable for heating and cooling applications.

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	60 Hz
Approvals, Underwriters Laboratories Inc.	UL Listed: File MH11826
Operating Humidity Range (% RH)	5 to 95% relative humidity, non-condensing.
Voltage	120 Vac; Power Consumption—9.6 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)	1/2 in.
Pipe Size (DN)	DN15
Current Draw	0.08A
Fluid Temperature (C)	5 C to 93 C
Fluid Temperature (F)	40 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.)	18 in. leads
Electrical Connections (mm)	457 mm leads
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
Actuation	Two position
De-energized Position	Normally Closed
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