



V8043G1018/U

24V 3/4 in Sweat N.C. Zone Valve

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, CSA	CSA Certified: File 1322
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.)	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
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