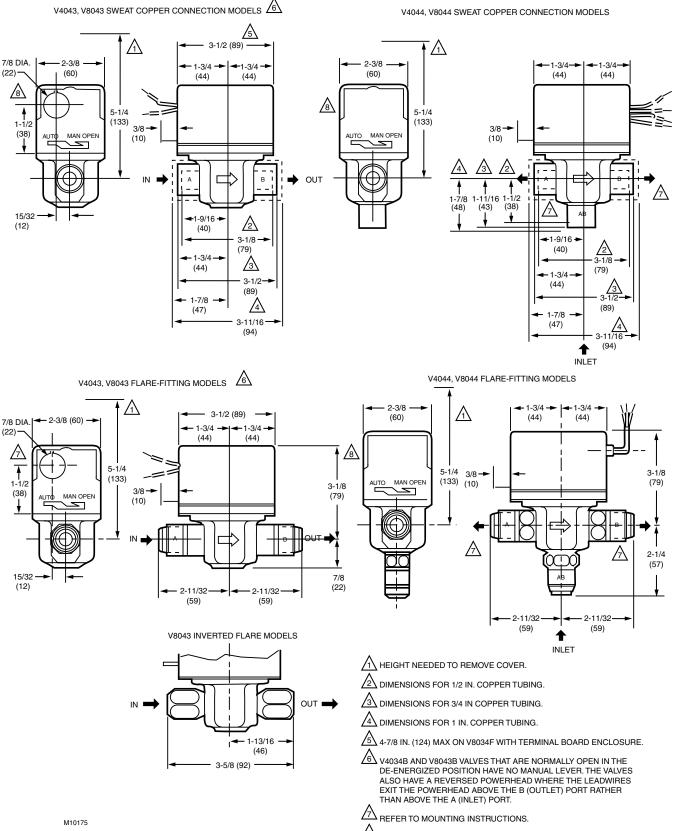
Motorized Zone Valves



Dimensions in inches (millimeters)

OPENING FOR 1/2 IN. CONDUIT ON MANUAL LEVER SIDE FOR V4043, V8043; OPENING ON OPPOSITE SIDE FOR V4044, V8044.

V8043 Low Voltage Normally Closed Zone Valves





Flare Connection



Sweat Connection

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

- 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.

Application: Hydronic Control Valve Type: Zone Valve Body Pattern: Two-way, Straight-through Valve Action: Spring return to close Voltage: 24 Vac; Power Consumption - 7.7 VA Frequency: 50 Hz; 60 Hz Actuation: Two position De-energized Postion: Two position Ambient Temperature Range: 125°F Maximum (52°C Maximum) Fluid Temperature: 50°F to 200°F (10°C to 93°C) Static Pressure Rating (psi): 125 psi



NPT Connection



Sweat Connection with terminal block

Static Pressure Rating (kPa): 862 kPa Materials (Body): Brass Materials (Seat): Brass Materials (Stem): Stainless Steel Materials (Plug / Ball / Disc): Buna-N (NBR) Rubber Ball Materials (Packing): EPDM rubber Timing: Nominal Open - 15 sec Operating Humidity Range (% RH): 5 to 95% relative humidity, non-condensing. Manual Opener: Yes Approvals, Underwriters Laboratories Inc.: UL Listed: File MH11826 Approvals, CSA: CSA Certified: File 1322 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. Current Draw: 0.32A Dimensions in inches (millimeters). See page 219.

Replacement Parts:

802360JA/U - 24V Replacement motor for V8043/44 802360UA/U - 24V, 50/60 Hz Replacement motor for steam and heating Zone Valves

Material Number	Capacity (Cv)	Capacity (Kv)	Pipe Size (inch)	Pipe Size (DN)	Connection Type	Maximum Differential Pressure Ratings (Close-off) (psi)	Maximum Differential Pressure Ratings (Close-off) (kPa)	End Switch Rating	Electrical Connections	Auxiliary End Switch
V8043A1003/U	3.5 Cv	3 Kv	1/2 in.	DN15	Flare	20 psi	138 kPa		18 in. (457 mm) leads	
V8043A1011/U	3.5 Cv	3 Kv	1/2 in.	DN15	Sweat	20 psi	138 kPa		18 in. (457 mm) leads	
V8043A1029/U	3.5 Cv	3 Kv	3/4 in.	DN20	Sweat	20 psi	138 kPa		18 in. (457 mm) leads	
V8043A1037/U	3.5 Cv	3 Kv	1 in.	DN25	Sweat	20 psi	138 kPa		18 in. (457 mm) leads	
V8043A1185/U	8 Cv	6.9 Kv	3/4 in.	DN20	Sweat	8 psi	55 kPa		18 in. (457 mm) leads	
V8043A1219/U	3.5 Cv	3 Kv	1/2 in.	DN15	Sweat	20 psi	138 kPa		18 in. (457 mm) leads	
V8043A1227/U	3.5 Cv	3 Kv	1/2 in.	DN15	NPT	20 psi	138 kPa		18 in. (457 mm) leads	
V8043E1004/U	3.5 Cv	3 Kv	1/2 in.	DN15	Sweat	20 psi	138 kPa	50 VA pilot duty @ 24 V; 4.4 A running with 26.4 A inrush @ 120 V	18 in. (457 mm) leads	N.O. SPST
V8043E1012/U	3.5 Cv	3 Kv	3/4 in.	DN20	Sweat	20 psi	138 kPa	50 VA pilot duty @ 24 V; 4.4 A running with 26.4 A inrush @ 120 V	18 in. (457 mm) leads	N.O. SPST
V8043E1020/U	3.5 Cv	3 Kv	1 in.	DN25	Sweat	20 psi	138 kPa	50 VA pilot duty @ 24 V; 4.4 A running with 26.4 A inrush @ 120 V	18 in. (457 mm) leads	N.O. SPST
V8043E1061/U	8 Cv	6.9 Kv	3/4 in.	DN20	Sweat	8 psi	55 kPa	50 VA pilot duty @ 24 V; 4.4 A running with 26.4 A inrush @ 120 V	18 in. (457 mm) leads	N.O. SPST



Inverted Flare

Motorized Zone Valves

Material Number	Capacity (Cv)	Capacity (Kv)	Pipe Size (inch)	Pipe Size (DN)	Connection Type	Maximum Differential Pressure Ratings (Close-off) (psi)	Maximum Differential Pressure Ratings (Close-off) (kPa)	End Switch Rating	Electrical Connections	Auxiliary End Switch
V8043E1079/U	8 Cv	6.9 Kv	1 in.	DN25	Sweat	8 psi	55 kPa	50 VA pilot duty @ 24 V; 4.4 A running with 26.4 A inrush @ 120 V	18 in. (457 mm) leads	N.O. SPST
V8043E1137/U	10 Cv	8.6 Kv	1 in.	DN25	NPT	6.5 psi	45 kPa	50 VA pilot duty @ 24 V; 4.4 A running with 26.4 A inrush @ 120 V	18 in. (457 mm) leads	N.O. SPST
V8043E1145/U	3.5 Cv	3 Kv	3/4 in.	DN20	NPT	20 psi	138 kPa	50 VA pilot duty @ 24 V; 4.4 A running with 26.4 A inrush @ 120 V	18 in. (457 mm) leads	N.O. SPST
V8043F1028/U	3.5 Cv	3 Kv	1/2 in.	DN15	Sweat	20 psi	138 kPa	50 VA pilot duty @ 24 V; 4.4 A running with 26.4 A inrush @ 120 V	screw terminal block	N.O. SPST
V8043F1036/U	3.5 Cv	3 Kv	3/4 in.	DN20	Sweat	20 psi	138 kPa	50 VA pilot duty @ 24 V; 4.4 A running with 26.4 A inrush @ 120 V	screw terminal block	N.O. SPST
V8043F1051/U	3.5 Cv	3 Kv	1 in.	DN25	Sweat	20 psi	138 kPa	50 VA pilot duty @ 24 V; 4.4 A running with 26.4 A inrush @ 120 V	screw terminal block	N.O. SPST
V8043F1093/U	8 Cv	6.9 Kv	3/4 in.	DN20	Sweat	8 psi	55 kPa	50 VA pilot duty @ 24 V; 4.4 A running with 26.4 A inrush @ 120 V	screw terminal block	N.O. SPST
V8043F1101/U	8 Cv	6.9 Kv	1 in.	DN25	Sweat	8 psi	55 kPa	50 VA pilot duty @ 24 V; 4.4 A running with 26.4 A inrush @ 120 V	screw terminal block	N.O. SPST