

Motorized Zone Valves

V8043 Low Voltage Normally Closed Zone Valves



Flare Connection



NPT Connection



Sweat Connection



Sweat Connection with terminal block

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

Type: Two position

Body Pattern: Two-way, Straight-through

Valve Action: Spring return to close

Voltage: 24 Vac

Frequency: 50 Hz; 60 Hz

Power Consumption: 7.7 VA

De-energized Position: Normally Closed

Fluid Temperature Range: 50 F to 200 F (10 C to 93 C)

Maximum Ambient Temperature: 125 F (52 C)

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.

Materials

(Body): Brass

(Stem): Stainless Steel

(Seat): Brass

(Packing O-Ring): EPDM rubber

(Ball Plug): Buna-N (NBR) Rubber Ball

Approvals

Underwriters Laboratories, Inc: UL Listed: File MH11826

Replacement Parts:

802360JA-24V, 50/60 Hz Replacement motor for V8043, V8044 Zone Valves

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

Product Number	Capacity		Pipe Size		Connection Type	Auxiliary End Switch	Maximum Close-off Pressure		Current Draw (A)	Manual Opener	Electrical Connections
	(Cv)	(Kv)	inch	DN			(psi)	(kPa)			
V8043A1003/U	3.5 Cv	3 Kv	1/2 in.	DN15	Flare	—	20 psi	138 kPa	0.32A	Yes	18 in. (457 mm) leads
V8043A1011/U	3.5 Cv	3 Kv	1/2 in.	DN15	Sweat	—	20 psi	138 kPa	0.32A	Yes	18 in. (457 mm) leads
V8043A1029/U	3.5 Cv	3 Kv	3/4 in.	DN20	Sweat	—	20 psi	138 kPa	0.32A	Yes	18 in. (457 mm) leads
V8043A1037/U	3.5 Cv	3 Kv	1 in.	DN25	Sweat	—	20 psi	138 kPa	0.32A	Yes	18 in. (457 mm) leads
* V8043A1193/U	3.5 Cv	3 Kv	1/2 in.	DN15	Inverted Flare	—	20 psi	138 kPa	0.32A	Yes	18 in. (457 mm) leads
V8043A1227/U	3.5 Cv	3 Kv	1/2 in.	DN15	NPT	—	20 psi	138 kPa	0.32A	Yes	18 in. (457 mm) leads
* V8043E1004/U	3.5 Cv	3 Kv	1/2 in.	DN15	Sweat	N.O. SPST	20 psi	138 kPa	0.32A	Yes	18 in. (457 mm) leads
* V8043E1012/U	3.5 Cv	3 Kv	3/4 in.	DN20	Sweat	N.O. SPST	20 psi	138 kPa	0.32A	Yes	18 in. (457 mm) leads
* V8043E1020/U	3.5 Cv	3 Kv	1 in.	DN25	Sweat	N.O. SPST	20 psi	138 kPa	0.32A	Yes	18 in. (457 mm) leads
V8043E1061/U	8 Cv	6.9 Kv	3/4 in.	DN20	Sweat	N.O. SPST	8 psi	55 kPa	0.32A	Yes	18 in. (457 mm) leads
V8043E1079/U	8 Cv	6.9 Kv	1 in.	DN25	Sweat	N.O. SPST	8 psi	55 kPa	0.32A	Yes	18 in. (457 mm) leads
* V8043E1129/U	3.5 Cv	3 Kv	1/2 in.	DN15	Inverted Flare	N.O. SPST	20 psi	138 kPa	0.32A	Yes	18 in. (457 mm) leads
V8043E1137/U	10 Cv	8.6 Kv	1 in.	DN25	NPT	N.O. SPST	6.5 psi	45 kPa	0.32A	Yes	18 in. (457 mm) leads
V8043E1145/U	3.5 Cv	3 Kv	3/4 in.	DN20	NPT	N.O. SPST	20 psi	138 kPa	0.32A	Yes	18 in. (457 mm) leads
* V8043F1028/U	3.5 Cv	3 Kv	1/2 in.	DN15	Sweat	N.O. SPST	20 psi	138 kPa	0.32A	Yes	screw terminal block
* V8043F1036/U	3.5 Cv	3 Kv	3/4 in.	DN20	Sweat	N.O. SPST	20 psi	138 kPa	0.32A	Yes	screw terminal block
* V8043F1051/U	3.5 Cv	3 Kv	1 in.	DN25	Sweat	N.O. SPST	20 psi	138 kPa	0.32A	Yes	screw terminal block
V8043F1093/U	8 Cv	6.9 Kv	3/4 in.	DN20	Sweat	N.O. SPST	8 psi	55 kPa	0.32A	Yes	screw terminal block
V8043F1101/U	8 Cv	6.9 Kv	1 in.	DN25	Sweat	N.O. SPST	8 psi	55 kPa	0.32A	Yes	screw terminal block

* TRADELINE models • SUPER TRADELINE models