

Motorized Zone Valves

V4044 Line Voltage Diverting Valves



Flare Connection



Sweat Connection



Sweat Connection

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

Dimensions Diagram: see page 224

Application: Hydronic Control

Type: 2 position

Body Pattern: 3-Way, Diverting

Valve Action: Spring Return to port A

Power Consumption: 9.6 VA

Nominal Timing (sec, min): 30 sec

De-energized Position: Port A Normally Closed

Electrical Connections: 18 in. leads (457 mm leads)

Static Pressure: 125 psi (862 kPa)

Fluid Temperature Range: 40 F to 200 F (5 C to 93 C)

Maximum Ambient Temperature: 125 F (52 C)

Materials

(Body): Brass

(Stem): Stainless Steel

(Seat): Brass

(Packing O-Ring): EPDM rubber

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

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.

Approvals:

Underwriters Laboratories Inc. UL Component Listed: File MH11826 Vol. 1

Replacement Parts:

802360LA 120V, 60 Hz Replacement motor for V4043, V4044 Zone Valves

802360MA 208V, 60 Hz Replacement motor for V4043, V4044 Zone Valves

802360NA 220V/50 Hz; 240V/60 Hz Replacement motor for V4043, V4044 Zone Valves

802360QA 277V, 50/60 Hz Replacement motor for V4043, V4044 Zone Valves

Product Number	Pipe Size		Connection Type	Capacity		Maximum Close-off Pressure		Voltage	Frequency	Manual Opener
	(inch)	DN		(Cv)	(Kv)	(psi)	(kPa)			
V4044A1001	1/2 in.	DN15	Flare	4 Cv	3.4 Kv	20 psi	138 kPa	120 Vac	60 Hz	Yes
V4044A1019	1/2 in.	DN15	Sweat	4 Cv	3.4 Kv	20 psi	138 kPa	120 Vac	60 Hz	Yes
V4044A1035	1/2 in.	DN15	Sweat	4 Cv	3.4 Kv	20 psi	138 kPa	208 Vac	60 Hz	Yes
V4044A1043	1/2 in.	DN15	Flare	4 Cv	3.4 Kv	20 psi	138 kPa	240 Vac	60 Hz	Yes
V4044A1050	1/2 in.	DN15	Sweat	4 Cv	3.4 Kv	20 psi	138 kPa	220 Vac	60 Hz	Yes
V4044A1191	3/4 in.	DN20	Sweat	7 Cv	6 Kv	10 psi	69 kPa	120 Vac	60 Hz	Yes
V4044A1258	1/2 in.	DN15	Sweat	4 Cv	3.4 Kv	20 psi	138 kPa	277 Vac	60 Hz	Yes
V4044A1290	1/2 in.	DN15	Sweat	4 Cv	3.4 Kv	20 psi	138 kPa	120 Vac	60 Hz	Yes
V4044B1009	1/2 in.	DN15	Flare	4 Cv	3.4 Kv	20 psi	138 kPa	120 Vac	60 Hz	Yes
V4044B1017	1/2 in.	DN15	Sweat	4 Cv	3.4 Kv	20 psi	138 kPa	120 Vac	60 Hz	Yes
V4044B1314	3/4 in.	DN20	Sweat	7 Cv	6 Kv	10 psi	69 kPa	120 Vac	60 Hz	Yes