

V4044 Line Voltage Diverting Valves



Flare 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.

Application: Hydronic Control

Type: Two position

Body Pattern: Three-way, Diverting

Valve Action: Spring Return to port A

Frequency: 60 Hz

Power Consumption: 9.6 VA

De-energized Position: Port A Normally Closed

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 Listed: File MH11826

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 | Capacity | | Pipe Size | | Connection Type | Maximum Close-off Pressure | | Voltage | Current Draw (A) | Includes | Manual Opener | Electrical Connections |
|----------------|-----------------|-------------------|-----------|------|-----------------|----------------------------|---------|---------|------------------|--|---------------|----------------------------|
| | (Cv) | (Kv) | inch | DN | | (psi) | (kPa) | | | | | |
| V4044A1001/u | 4 Cv | 3.4 Kv | 1/2 in. | DN15 | Flare | 20 psi | 138 kPa | 120 Vac | 0.08A | — | Yes | 18 in. leads; 457 mm leads |
| V4044A1019/U | 4 Cv | 3.4 Kv | 1/2 in. | DN15 | Sweat | 20 psi | 138 kPa | 120 Vac | 0.08A | — | Yes | 18 in. leads; 457 mm leads |
| V4044A1035/U | 4 Cv | 3.4 Kv | 1/2 in. | DN15 | Sweat | 20 psi | 138 kPa | 208 Vac | 0.04A | — | Yes | 18 in. leads; 457 mm leads |
| V4044A1043/U | 4 Cv | 3.4 Kv | 1/2 in. | DN15 | Flare | 20 psi | 138 kPa | 240 Vac | 0.04A | — | Yes | 18 in. leads; 457 mm leads |
| V4044A1050/U | 4 Cv | 3.4 Kv | 1/2 in. | DN15 | Sweat | 20 psi | 138 kPa | 240 Vac | 0.04A | — | Yes | 18 in. leads; 457 mm leads |
| V4044A1191/U | 7.0 Cv | 6 Kv | 3/4 in. | DN20 | Sweat | 10 psi | 69 kPa | 120 Vac | 0.08A | — | Yes | 18 in. leads; 457 mm leads |
| V4044A1258/U | 4 Cv | 3.4 Kv | 1/2 in. | DN15 | Sweat | 20 psi | 138 kPa | 277 Vac | 0.04A | — | Yes | 24 in. leads 610 mm leads |
| V4044A1290/U | 2.7 Cv and 4 Cv | 2.3 Kv and 3.4 Kv | 1/2 in. | DN15 | Sweat | 20 psi | 138 kPa | 120 Vac | 0.08A | — | Yes | 18 in. leads; 457 mm leads |
| V4044B1009/U | 4 Cv | 3.4 Kv | 1/2 in. | DN15 | Flare | 20 psi | 138 kPa | 120 Vac | 0.08A | Integral SPDT changeover Aquastat controller | Yes | 18 in. leads; 457 mm leads |
| V4044B1017/U | 4 Cv | 3.4 Kv | 1/2 in. | DN15 | Sweat | 20 psi | 138 kPa | 120 Vac | 0.08A | | Yes | 18 in. leads; 457 mm leads |
| V4044B1314/U | 7.0 Cv | 6 Kv | 3/4 in. | DN20 | Sweat | 10 psi | 69 kPa | 120 Vac | 0.08A | | Yes | 18 in. leads; 457 mm leads |