

Motorized Zone Valves

V8043 Low Voltage Normally Open Zone Valves



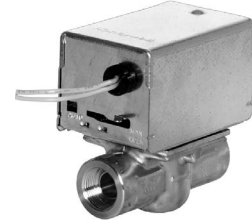
Sweat Connection



Inverted Flare



Flare Connection



NPT Connection

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

- 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.
- No Manual opener

Application: Hydronic Control

Valve Type: Zone Valve

Body Pattern: Two-way, Straight-through

Valve Action: Spring return to open

Voltage: 24 Vac; Power Consumption – 7.7 VA

Capacity (Cv): 3.5 Cv

Capacity (Kv): 3 Kv

Actuation: Two position

De-energized Position: Normally Open

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

Ambient Temperature Range: 125°F Maximum (52°C Maximum)

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

Maximum Differential Pressure Ratings (Close-off) (psi): 20 psi

Maximum Differential Pressure Ratings (Close-off) (kPa): 138 kPa

Static Pressure Rating (psi): 125 psi

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: No

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

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 60.

Material Number	Pipe Size (inch)	Pipe Size (DN)	Connection Type	Frequency	Auxiliary End Switch	End Switch Rating	Includes
V8043B1019/U	1/2 in.	DN15	Sweat	60 Hz			
V8043B1027/U	3/4 in.	DN20	Sweat	60 Hz			
V8043B1076/U	3/4 in.	DN20	NPT	50 Hz; 60 Hz			
V8043D1031/U	3/4 in.	DN20	NPT	50 Hz; 60 Hz			
V8043D1049/U	3/4 in.	DN20	Sweat	50 Hz; 60 Hz			With 1/16 in. bypass hole
V8043D1064/U	3/4 in.	DN20	Sweat	50 Hz; 60 Hz			
V8043D1080/U	3/8 in.	DN10	Flare	50 Hz; 60 Hz			With 2 straight 3/4 in. sweat adapters.
V8043D1156/U	1/2 in.	DN15	Sweat	50 Hz; 60 Hz			
V8043D1197/U	3/8 in.	DN10	Flare	50 Hz; 60 Hz			Less Adapters Order separately - 272704A (1/2 in. sweat), 272704B (3/4 in. sweat)
V8043D1205/U	1/2 in.	DN15	Inverted Flare	50 Hz; 60 Hz			Less Adapters Order separately - 272704A (1/2 in. sweat), 272704B (3/4 in. sweat)
V8043D1239/U	1/2 in.	DN15	Inverted Flare	50 Hz; 60 Hz	N.C. SPST	2.2 A @ 120Vac 60Hz	Less Adapters