Motorised Zone Valves

Control the flow of hot water to the heat source (radiator or stored hot water)

The range of leading motorised zone valves provides a full set of solutions to suit all domestic heating installations. The two-port motorised valve has a wide range of flow control applications in domestic and light commercial central heating systems. The motorised mid-position valves have been designed to control the flow of water in domestic central heating systems, where both radiator and hot water cylinder circuits are pumped. They are typically suited to small to medium sized installations. The motorised diverter valves are replacement products and have been designed to control the flow of water between heating and hot water in domestic fully pumped central heating systems.

V4043 Motorised Two Port Zone Valve

The V4043 series of two-port Motorised Valves has a wide range of flow control applications in domestic and light commercial central heating systems.

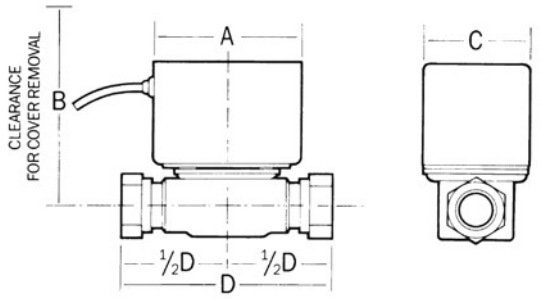
The V4043H normally closed models have end switches for electrical control of pump and/or boiler. The V4043B normally open models are particularly applicable to control of solid fuel systems, since they will always fail-safe in the event of a power failure.

- Motor open
- Spring return action
- Manual lever for filling and draining the system
- Powerhead replaceable without draining down
- Potential free end switch for electrical control of pump and/or boiler
- Quiet operation, minimal power consumption.

Options

- Normally open and normally closed versions available
- 22 mm/28 mm or ½", ¾", 1" BSP connections
- Replacement motor, replacement powerhead and replacement ball
- 'O' ring kit available.

Dimensions (mm)



A	87	
B	98	
C	60	
D	½" 2mm 1" 28mm	94 112 92 127

Specifications – All Motorised Valves	
Power Supply	230 VAC 50Hz
Power Consumption	6W
Electrical Connections	1m flying lead, heat resistant cable
Timings (Nominal)	Valve opens to Port A (from Port B) in 18 seconds (under power). Valve opens to Port B in 8 seconds (under spring return). Continuous operation of the valve motor at the fully open position (Port A only) is not recommended
Ambient Temperature Range	5 to 50°C
Flow Temperature	5 to 88°C
Static Pressure	8.6 bar max
Flow Directions	Inlet Port AB: Port A open when energised; Port B open when de-energised
Standards & Approvals	CE, UL, CSA 89/336/EEC & 73/23/EEC

V4043B1257	Normally open, 22 mm compression. No end switch. No manual lever. 6.9 kV. Maximum close-off differential pressure 0.55 bar
V4043B1265	Normally open, 28 mm compression. No end switch. No manual lever. 8.6 kV. Maximum close-off differential pressure 0.45 bar
V4043C1156	Normally closed, ½" BSP female. No end switch. 3.0 KV. 1.38 bar max differential pressure
V4043H1056	Normally closed, 22 mm compression. SPST end switch. 6.9 kV. 0.55 bar max differential pressure
V4043H1007	Normally closed, ¾" BSP connections fittings. SPST end switch. 6.9 kV. 0.55 bar max differential pressure
V4043H1106	Normally closed, ¾" BSP connections fittings. SPST end switch. 6.9 kV. 0.55 bar max differential pressure
V4043H1080	Normally closed, ¾" BSP connections fittings. SPST end switch. 6.9 kV. 0.55 bar max differential pressure

V4073A Motorised Mid-Position Valve

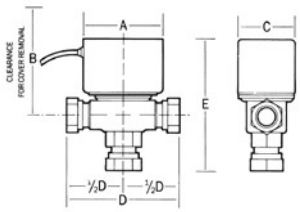
The V4073A Motorised Mid-Position Valve has been designed to control the flow of water in domestic central heating systems, where both radiator and hot water cylinder circuits are pumped. It is typically suited for small to medium sized installations.

- Spring return action
- Three position operation
- Powerhead replaceable without draining down
- Manual lever for filling/draining down
- Quiet operation, minimal power consumption
- Provides electrical output to boiler and/or pump.

Options

- 22 mm/28 mm or ½", ¾", 1" connections
- Replacement motor, replacement powerhead and replacement ball
- 'O' ring kit available.

Dimensions (mm)



V4073A1039	22 mm compression. 6.0 kV. Maximum close-off differential pressure 0.69 bar
V4073A1054	¾" BSP Female compression fittings. 6.0 kV. Maximum close-off differential pressure 0.69 bar
V4073A1088	28 mm compression. 8.1 kV. Maximum close-off differential pressure 0.55 bar
V4073A1062	1" BSP Female compression fittings. 8.1 kV. Maximum close-off differential pressure 0.55 bar

A	87	
B	98	
C	60	
D	¾" 22 mm 1" 28 mm	94 112 94 117
E	¾" 22 mm 1" 28 mm	124 133 124 137

V4044C Motorised Diverter Valve

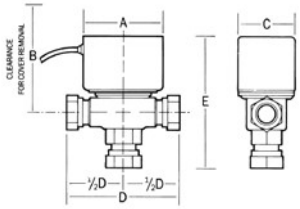
The V4044C Motorised Diverter Valve has been designed to control the flow of water between heating and hot water in domestic fully pumped central heating systems.
The Diverter Valve will only allow flow to one zone at any one time. The V4044 is used in the Sundial W Plan Hot Water priority system.

- Spring return action
- Two position operation
- Powerhead replaceable without draining down
- Manual lever for filling/draining down
- Quiet operation, minimal power consumption
- Provides electrical output to boiler and/or pump

Options

- 22 mm/28 mm or ½", 1" connections
- Replacement motor, replacement powerhead and replacement ball
- 'O' ring kit available.

Dimensions (mm)



V4044C1288	22 mm compression. 6.0 kV. Maximum close-off differential pressure 0.69 bar
V4044C1098	¾" BSP Female compression fittings. 6.0 kV. Max. close-off differential pressure 0.69 bar
V4044C1569	28 mm compression. 8.1 kV. Maximum close-off differential pressure 0.55 bar
V4044C1494	1" BSP Female compression fittings. 8.1 kV. Max. close-off differential pressure 0.55 bar

A	87	
B	98	
C	60	
D	¾" 22 mm 1" 28 mm	94 112 94 117
E	¾" 22 mm 1" 28 mm	124 133 124 137