

The HydroHeat Motorised Valve has a simple to replace actuator that requires no need to drain down. The actuator comes complete with a manual lever for filling or draining down the heating system. These valves offer outstanding performance and high reliability to the user. Suitable for all domestic circumstances as well as certain commercial applications.



INTRODUCTION

A motorised valve is used to control the flow of water in a central heating system. The motorised valve can be used for control of both heating and hot water, and it works by controlling the flow of water from the heating boiler to other parts of the system.

There are two types of motorised valve used in domestic heating systems: two port (also called zone valves), and three port (also called mid position valves). SALUS Controls offers both types of valve in a range of standard port sizes.

FEATURES

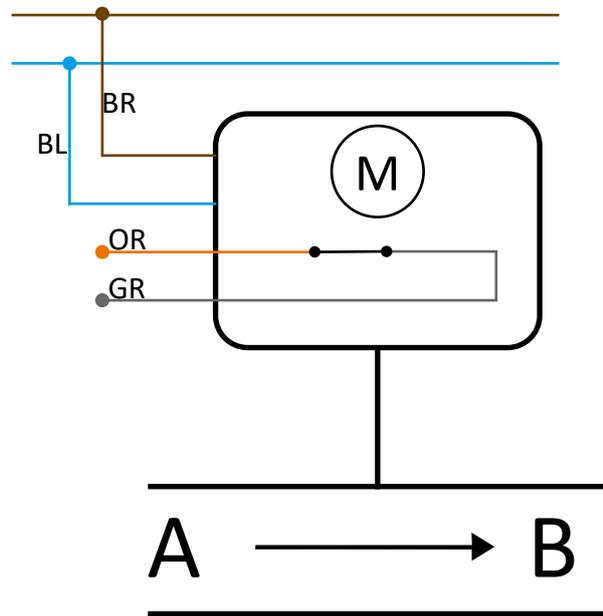
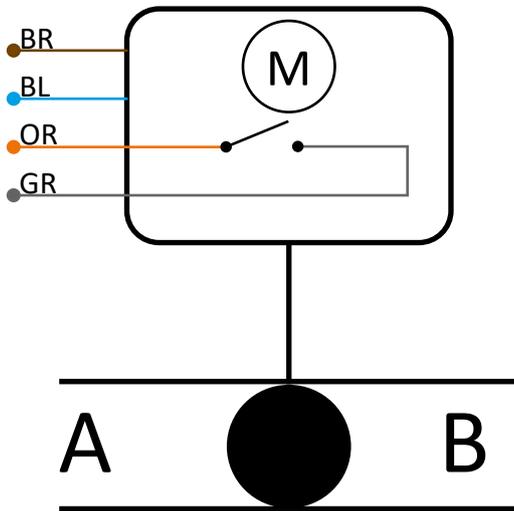
- Two port option in 1", 22mm, 3/4" and 28mm sizes
- Removable actuator assembly
- Manual lever and position indicator
- Spring return
- Industry standard wiring

Type:	Motorised valve designed for domestic heating applications.
Electrical	
Switching Voltage:	230V AC / 50Hz
Power Consumption:	6W
Response	
Opening:	14 seconds
Closing:	3 seconds
Differential Pressure	
Pipe size	22mm
2 Way	0.8 bar
Max Static Pressure:	8.6 bar
Operating Temperatures	
Min Fluid Temperature:	5 °C
Max Fluid Temperature:	88 °C
Environment	
Operating Temperature:	-10 °C to + 60 °C
Storage Temperature:	- 20 °C to + 65 °C
Protection class:	IP20

Before Installation

This valve must only be installed in compatible systems. Before installing, please check that:

- The system pipework has been flushed out to remove any residue.
- There is enough clearance around the valve to allow removal and refitting of the actuator.
- The valve is not installed with the actuator facing down.
- The supply voltage is the same as the voltage indicated on the actuator cover.
- The mains water pressure and the pressure differentials between valve ports are suitable for this valve (see Product Specification).



Electrical Connection

The electrical connections to the motorised valve are made using the pre-wired cable. This simplifies installation, as no connections need to be made to the actuator itself. The connecting cable uses industry standard colours, and the connection details are shown below:

Control wire (Power Supply AC 230V) Brown - Live. Blue - Neutral.

Close valve (no water flow): Brown 0V, Blue is N

Open valve (water flow): Brown 230Vac, Blue is N

Auxiliary switch output (COM, NO) Orange = COM. Grey = NO

When valve is open, orange and grey, AUX switch is closed. When valve is closed, orange and grey, AUX switch is open. Yellow/Green wire is for earth.

MANUAL LEVER

There is a lever on the side of the actuator cover: this lever allows manual operation of the valve, e.g. for refilling and draining of the system or if the actuator fails.

For two way valves, the lever allows the valve to be kept open; with three way valves the lever allows both ports A and B to be open at the same time.

To manually operate the valve, gently push the lever forward and latch it in the MAN position.

The valve will automatically return to AUTO when the actuator is powered up again.

NOTE: Push the manual lever slowly to prevent damage to the actuator motor and gear system.

The valve should be in manual position to be fitted.