

# MOTORISED ZONE VALVE

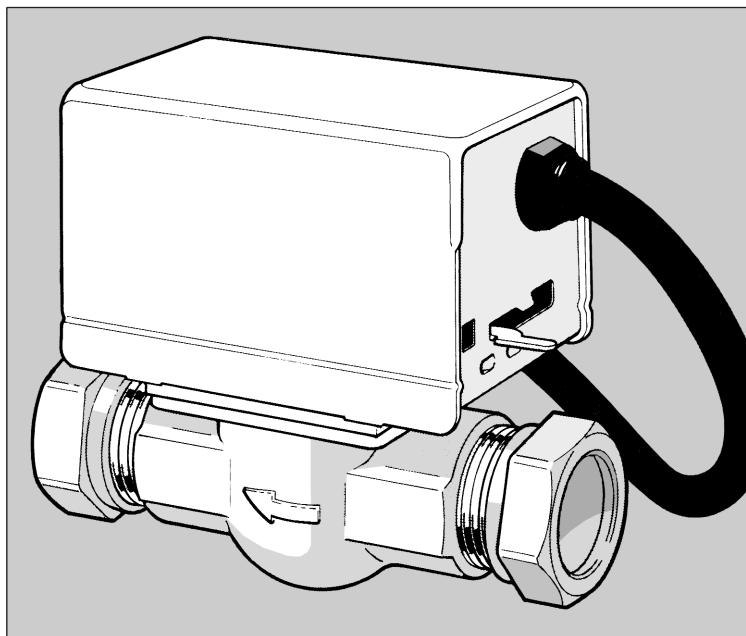
## V4043

### FEATURES

- Spring return action.
- Manual lever for filling/draining system.
- End switch for electrical control of pump and boiler (see Ordering Specification).
- Powerhead replaceable without draining down.
- Motor changeable without replacing whole powerhead.
- High close off rating.
- Quiet operation, minimal power consumption.

### OPTIONS

- Normally open and normally closed versions available.



### APPLICATION

The V4043 series of two port motorised valves has a wide range of flow control applications in domestic central heating systems. The V4043H normally closed models have end switches for electrical control of boiler and pump. The normally open model is particularly applicable to the control of solid fuel systems, since it will always fail-safe in the event of a power failure.

V4043 valves are also suitable for light commercial applications.

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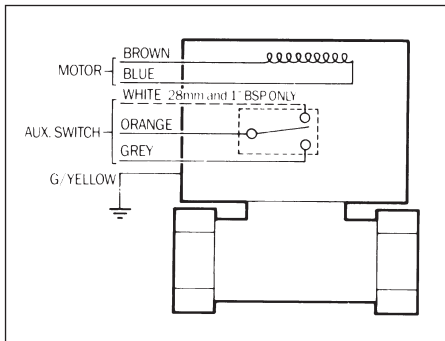
# V4043

## Installation

**A zone valve** must be positioned where it cannot block any vent or cold feed when closed. It may be plumbed in at any angle but must not be mounted so that the powerhead is below the horizontal level of the pipework.

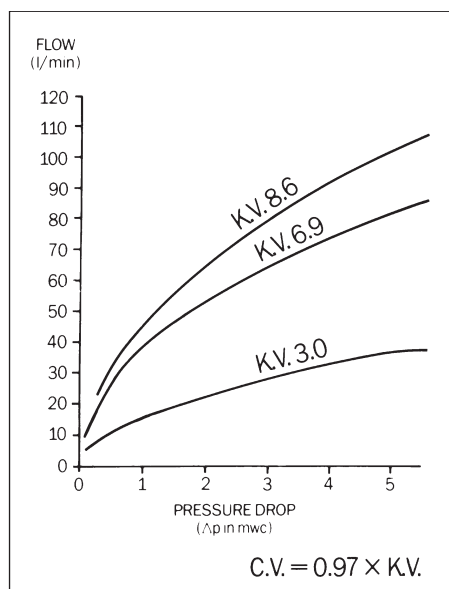
If fitted in a confined space, sufficient ventilation must be available to keep the valve within its ambient temperature range and access must be provided to remove the powerhead if necessary.

## Wiring



NB When using the 1" BSP or 28mm versions, the WHITE wire must be made electrically safe if only ON/OFF auxiliary switch operation is required.

## Flow Characteristics



## Specification

Power Supply	: 230 Volts AC 50Hz
Switch Rating	: 2.2A
Switch Type	: SPST (22mm) SPDT (28mm and 1")
Power Consumption	: 6W
Timings (Nominal)	: On: 12 seconds under power Off: 6 seconds under spring return
Ambient Temperature	: 50°C max
Flow Temperature	: 5°C to 88°C max (Special models available for chilled water applications)
Static Pressure	: 8.6 bar max
Flow Direction	: As per arrow on valve body
Electrical Connections	: 1m flying lead, heat resistant cable
EC Directive	: Conforms to 89/336/EEC & 73/23/EEC

NOTE: Continuous operation of the valve motor at the fully open position is not recommended

## Ordering Specification

MODEL	PIPE CONNECTIONS	AUXILIARY SWITCH	K.V.	DE-ENERGISED STATE	DIFFERENTIAL PRESSURE FOR CLOSE OFF
V4043B1257	22mm Comp.	None	6.9	OPEN	0.55 bar max
V4043B1265	28mm Comp.	None	8.6	OPEN	0.45 bar max
V4043C1156	1/2" BSP Female	None	3.0	CLOSED	1.38 bar max
V4043H1056	22mm Comp.	S.P.S.T.	6.9	CLOSED	0.55 bar max
V4043H1106	28mm Comp.	S.P.D.T.	8.6	CLOSED	0.45 bar max
V4043H1080	1" BSP Female	S.P.D.T.	8.6	CLOSED	0.45 bar max
V4043H1007	3/4" BSP Female	S.P.S.T.	6.9	CLOSED	0.55 bar max

## Dimensions (mm)

