

ZV22
ZV28

ZV3/4
ZV1

ZV1/2

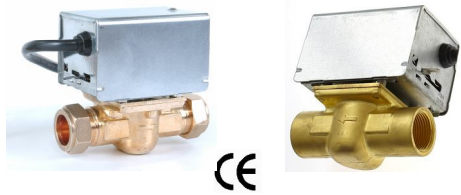
2-port
Zone Valve

ZVM22
ZVM28

ZVM3/4
ZVM1

3-port
Mid-position Valve

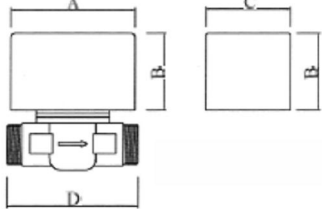
INSTRUCTION SHEET



Type Numbers and sizes:

ZV22	22mm compression
ZV28	28mm compression
ZV1/2	1/2" BSP
ZV3/4	3/4" BSP (3/4" compression upon request)
ZV1	1" BSP (1" compression upon request)

All dimensions in mm



ZV22	A = 87	B = 55	C = 60	D = 112
ZV28	A = 87	B = 55	C = 60	D = 117
ZV3/4	A = 87	B = 55	C = 60	D = 94
ZV1	A = 87	B = 55	C = 60	D = 94

Application

The ZV range 2-port spring return valve has been designed in general to be used in commercial, industrial applications and on central heating systems which when correctly wired with an appropriate room thermostat, cylinder thermostat and programmer will control the water flow from the boiler to hot water and from boiler to central heating

Replacement Head

When replacing the head, ensure that the Auto/Manual lever on both the installed and replacement heads is in the manual position



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ZV range 2-port spring return motorised zone valves with an auxiliary switch

The fitting and wiring instructions should be read before fitting the valve

Fitting:

When connecting to pipe work do not use the actuator for leverage. Valves should be held by wrench flats on body. Place the AUTO/MAN lever in the MAN position when filling, venting or draining the system

The valve must be installed with the arrow in the direction of the flow. Failure to do so will result in water hammer and potential premature failure

Mounting Options:

The valve may be mounted vertically, or horizontally but should not be mounted so that valve head is below the horizontal level of the pipe work
Do NOT over tighten

Warning:

All controls must be earthed. All valves should have a means of disconnection from electrical mains supply which incorporates a contact separation of at least 3mm in all poles. All wiring must be carried out to IEE Regulations by a competent Electrician
The system must be appropriately fused.

Technical Data

Voltage: 230Vac / 110Vac / 24Vac
Power consumption: 6W
Cable length: 1 metre, 5 core
Fluid temperature: +5 to +80°C
Max ambient temperature: +50°C
Port A is normally closed when there is no power

Wires

Blue – neutral, Brown – live
Green & Yellow – earth
Orange – end switch out (auxiliary)
Grey – end switch in (auxiliary)

Certifications

CE : CI02410
ISO 9001:2000 GB00568

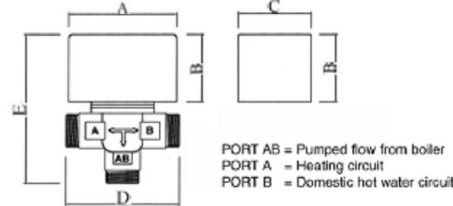
INSTRUCTION SHEET



Type Numbers and sizes

ZVM22	22mm compression
ZVM28	28mm compression
ZVM3/4	3/4" BSP (3/4" compression upon request)
ZVM1	1" BSP (1" compression upon request)

All dimensions in mm



ZVM22	A = 87	B = 55	C = 60	D = 112	E = 133
ZVM28	A = 87	B = 55	C = 60	D = 117	E = 137
ZVM3/4	A = 87	B = 55	C = 60	D = 94	E = 124
ZVM1	A = 87	B = 55	C = 60	D = 94	E = 124

Application

The ZVM range 3-port spring return mid-position valve is for use on fully pumped systems which when correctly wired with an appropriate room thermostat, cylinder thermostat and programmer will control the water flow from the boiler to either to hot water only, heating only, or to both simultaneously

Replacement Head

When replacing the head, ensure that the Auto/Manual lever on both the installed and replacement heads is in the manual position



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ZVM range 3-port spring return mid-position valves

The fitting and wiring instructions should be read before fitting the valve

Fitting:

When connecting to pipe work do not use the actuator for leverage. Valves should be held by wrench flats on body. Place the AUTO/MAN lever in the MAN position when filling, venting or draining the system

The valve must be installed with the arrow in the direction of the flow. Failure to do so will result in water hammer and potential premature failure

Mounting Options:

The valve may be mounted vertically, or horizontally but should not be mounted so that valve head is below the horizontal level of the pipe work
Do NOT over tighten

Warning:

All controls must be earthed. All valves should have a means of disconnection from electrical mains supply which incorporates a contact separation of at least 3mm in all poles. All wiring must be carried out to IEE Regulations by a competent Electrician
The system must be appropriately fused.

Technical Data

Voltage: 230Vac / 110Vac / 24Vac
Power consumption: 6W
Cable length: 1 metre, 5 core
Fluid temperature: +5 to +80°C
Max ambient temperature: +50°C
Port A is normally closed when there is no power

Wires

White – Heating on Blue - neutral
Grey – Hot water off Green/Yellow – earth
Orange – Boiler and pump live

To use as diverter valve,

Isolate orange, connect white and grey together

Certifications

CE : CI02410
ISO 9001:2000 GB00568