



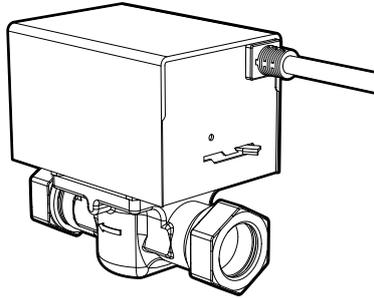
NEOMITIS®

INSTALLATION

INSTRUCTIONS

MTV222A

2 PORT ZONE VALVE
SPRING RETURN,
22mm COMPRESSION
FITTING



MTV228A

2 PORT ZONE VALVE
SPRING RETURN,
28mm COMPRESSION
FITTING

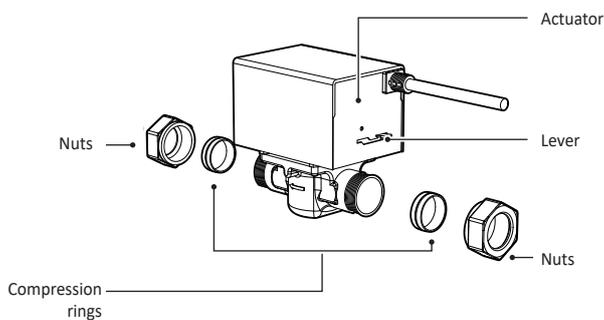
OVERVIEW

Thank you for choosing one of our products.

These 2 port spring return zone valves have been designed to be used on central heating systems which when wired with room thermostat, cylinder thermostat and programmer will control the water flow from the boiler to hot water and central heating.



DIAGRAM



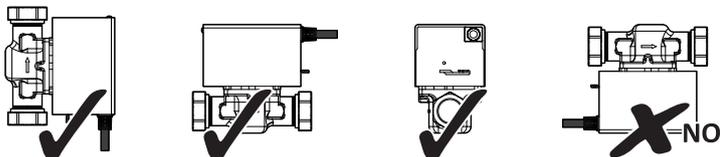
INSTALLATION OF THE VALVE

WARNINGS AND PRECAUTIONS

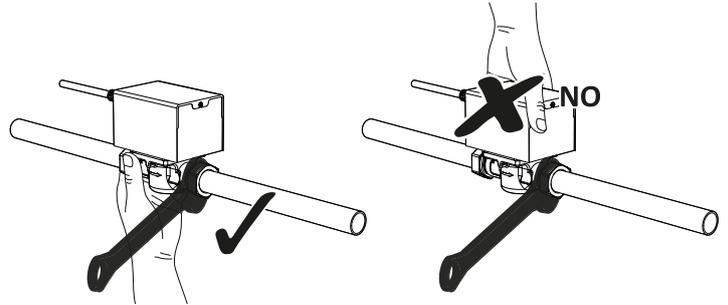


The valve must be installed with the arrow in the direction of the flow. Failure to do so will result in water hammer and potential premature failure. Do not over tighten.

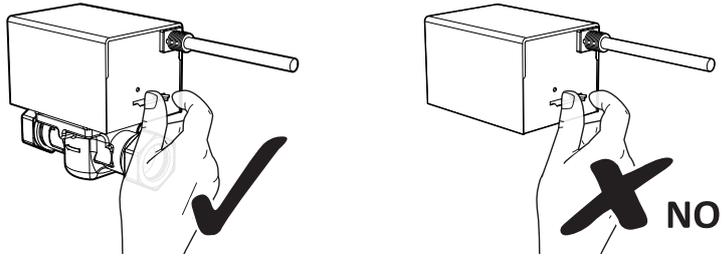
The valve can be mounted vertically or horizontally but must not be mounted so that valve head is below the horizontal level of pipe work.



When connecting to pipe work do not use the actuator for leverage. Do not over tighten.



Put the AUTO/MAN lever in MAN position only for servicing (filling, venting or draining). The lever is not designed for intensive use, it must be operated smoothly with moderate force, only if the mechanism is seated on the valve body.



WIRING

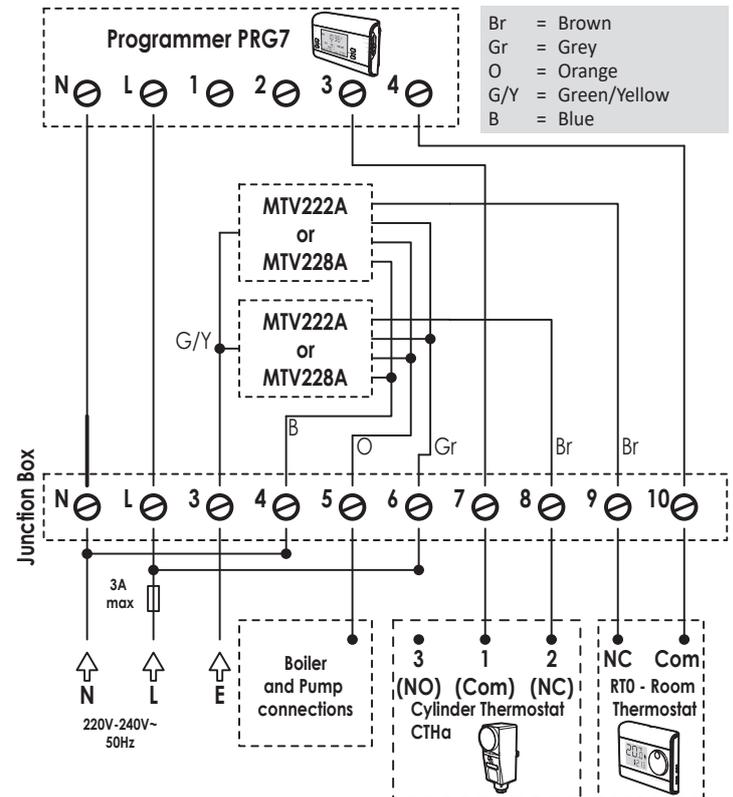


All controls must be earthed. All valves must have a means of disconnection from electrical mains supply which incorporates a contact separation of at least 3mm in all poles.

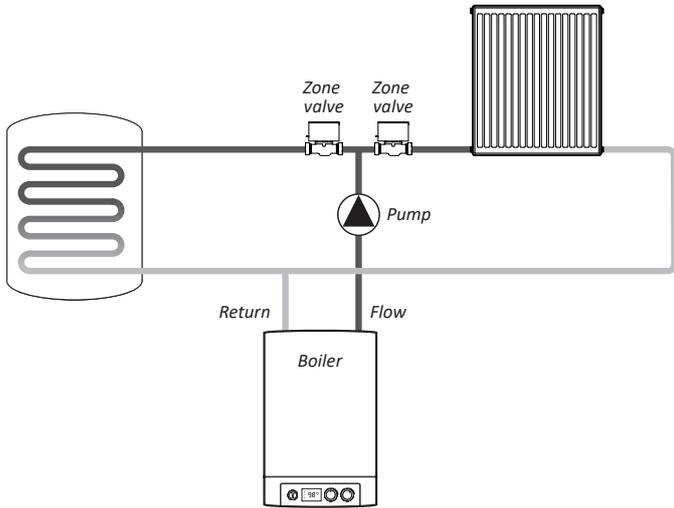
All wiring must be carried out to IEE Regulations by a competent Electrician. The system must be appropriately fused.

- Blue: Neutral
- Brown: Live
- Green & yellow: Earth
- Orange: End switch out (auxiliary)
- Grey: End switch in (auxiliary)

Typical circuit using two zone Valves
Programmer, Room and Cylinder Thermostat as control elements



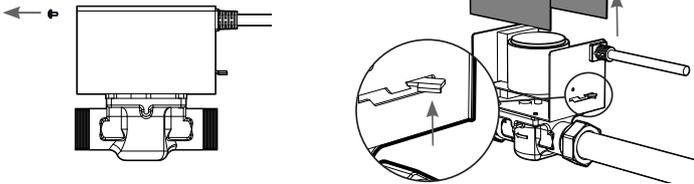
SCHEMATIC DIAGRAM



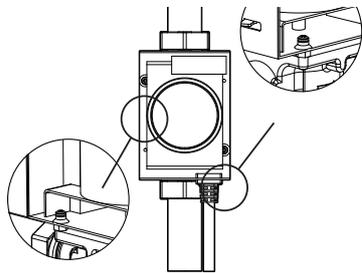
REPLACING ACTUATOR

REMOVAL

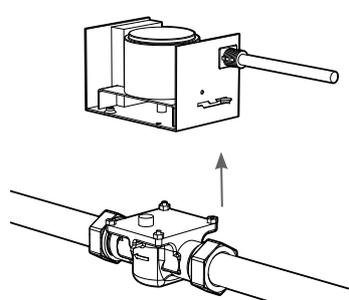
1- Remove the locking screw and then remove actuator cover and lock the lever in "MAN" position.



2- Loosen the 2 securing screws.

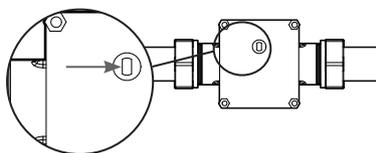


3- Lift actuator from valve body.

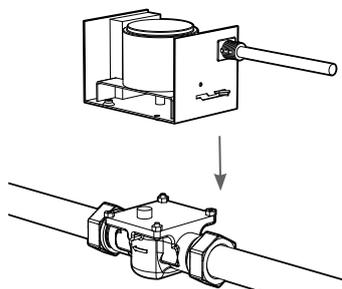


RE-FITTING

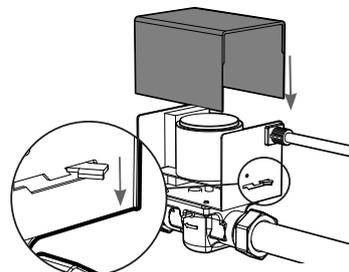
4- Ensure valve stem is in parallel position as indicated.



5- Seat the actuator over the valve body and tighten the 2 securing screws (see above).

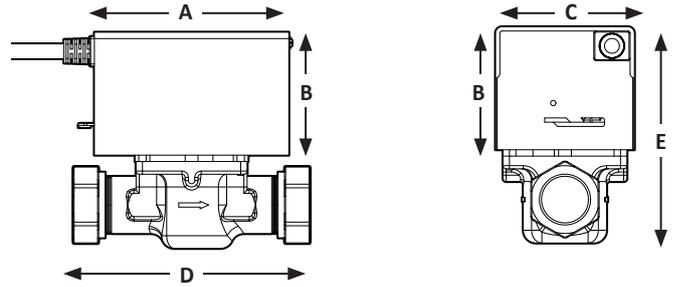


6- Replace the cover and screw. Release lever and allow to travel back to "AUTO": do not force the travel by hand.



DIMENSIONAL SPECIFICATIONS

Dimensions (in mm):



	MTV222 : 22mm compression fittings	MTV228 : 28mm compression fittings
A	87	87
B	55	55
C	60	60
D	112	117
E	108	108



TECHNICAL SPECIFICATIONS

- Voltage: 230V~ 50Hz.
- Power consumption: 6W.
- Cable length: 1m, 5 core.
- Valve is normally closed when there is no power.
- Max. differential pressure for 22mm = 1Bar.
- Max. static pressure 10.0 Bar.

Environment :

- Fluid temperature : +5°C to +80°C.
- Max ambient temperature : +50°C.

Hereby, NEOMITIS Limited declares that MTV222a and MTV228a are in compliance with :
Safety Regulations 2016 (2016 No.1101), EMC Regulations 2016 (2016 No.1091) and RoHS Regulations 2012 (2012 No.3032).
The full text of the UKCA declaration of conformity is available at the following internet address: www.neomitis.com.



Hereby, Imhotep Creation, declares that the products mentioned in this manual are in compliance with :
Directives 2014/35/EU, 2014/30/EU and 2011/65/EU.
The full text of the EU declaration of conformity is available at the following internet address : www.imhotepcreation.com.



Neomitis Ltd and Imhotep Creation belong to Axenco Group.



The symbol , affixed on the product indicates that you must dispose of it at the end of its useful life at a special recycling point, in accordance with European Directive WEEE 2012/19/EU. If you are replacing it, you can also return it to the retailer from which you buy the replacement equipment. Thus, it is not ordinary household waste. Recycling products enables us to protect the environment and to use less natural resources.



NEOMITIS®

INSTALLATION

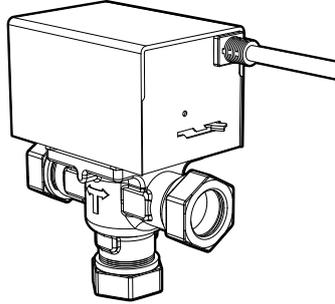
INSTRUCTIONS

MTV322A

3 PORT ZONE MID-POSITION VALVE, 22mm COMPRESSION FITTING

MTV328A

3 PORT ZONE MID-POSITION VALVE, 28MM COMPRESSION FITTING



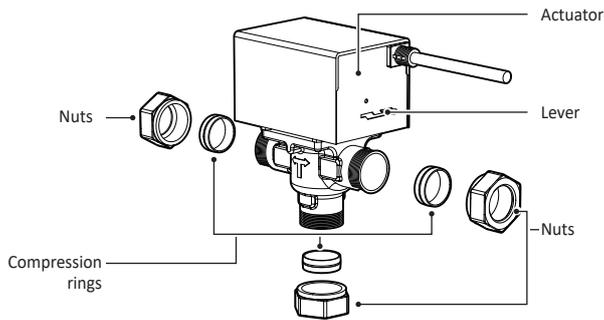
OVERVIEW

Thank you for choosing one of our products.

This 3 port zone valve mid position have been designed to be used on central heating systems which when wired with room thermostat, cylinder thermostat and programmer will control the water flow from the boiler to either to hot water only, heating only or both simultaneously.



DIAGRAM



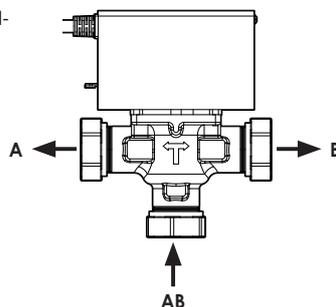
INSTALLATION OF THE VALVE

WARNINGS AND PRECAUTIONS

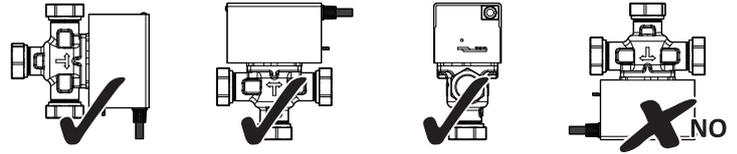


The valve must be installed according to instructions:

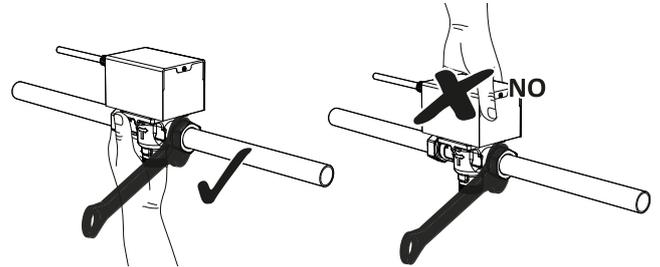
- AB = Flow from boiler
- A = Radiator circuit
- B = Hot water circuit



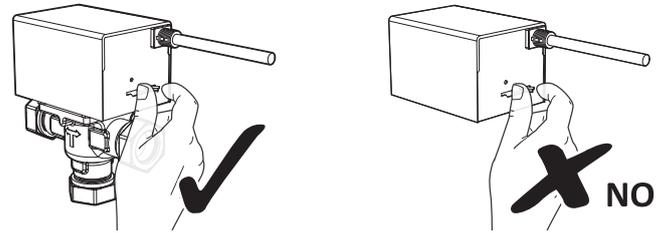
The valve can be mounted vertically or horizontally but must not be mounted so that valve head is below the horizontal level of pipe work.



When connecting to pipe work do not use the actuator for leverage. Do not over tighten.



Put the AUTO/MAN lever in MAN position only for servicing (filling, venting or draining). The lever is not designed for intensive use, it must be operated smoothly with moderate force, only if the mechanism is seated on the valve body.



WIRING



All controls must be earthed. All valves must have a means of disconnection from electrical mains supply which incorporates a contact separation of at least 3mm in all poles.

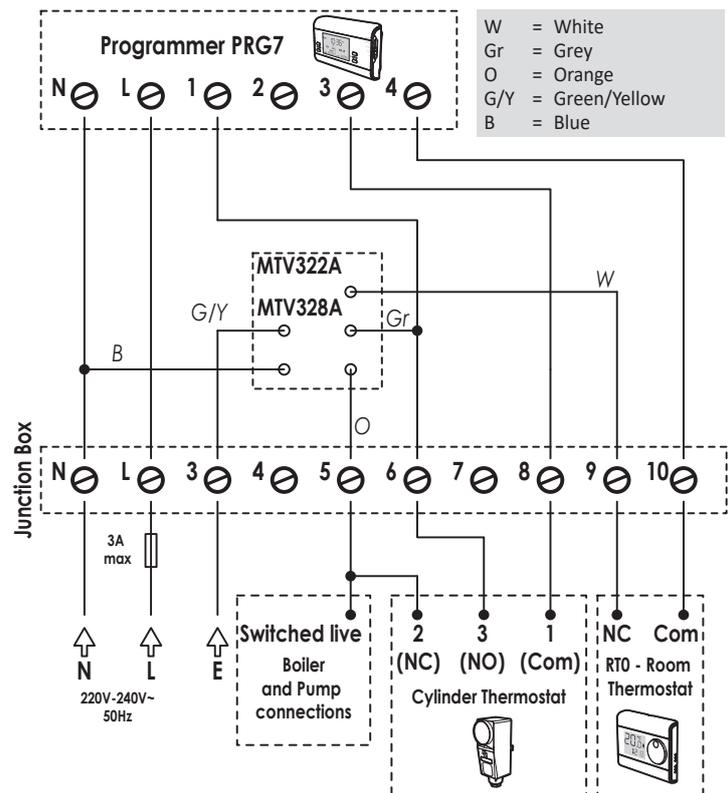
All wiring must be carried out to IEE Regulations by a competent Electrician. The system must be appropriately fused.

- Blue: Neutral
- White: Heating on
- Grey: Hot water off
- Green & yellow: Earth
- Orange: Boiler and pump live

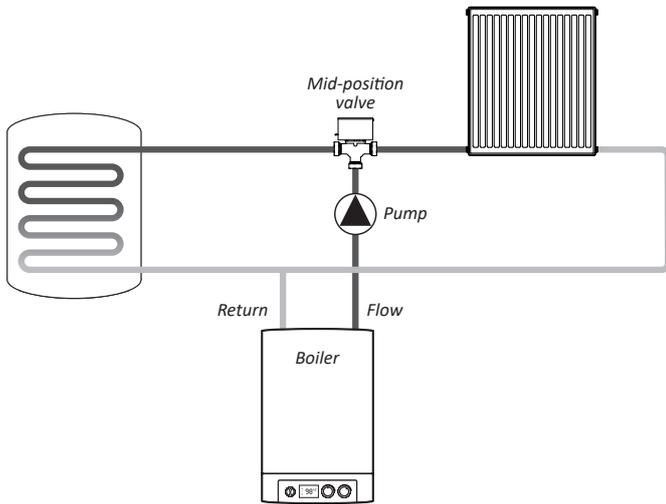
To use as diverter valve, isolate orange, connect white and grey together.

Mid position Valve

Typical circuit showing Programmer, Room and Cylinder Thermostat as control elements



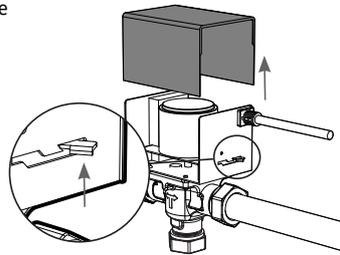
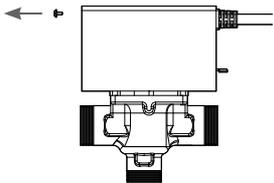
SCHEMATIC DIAGRAM



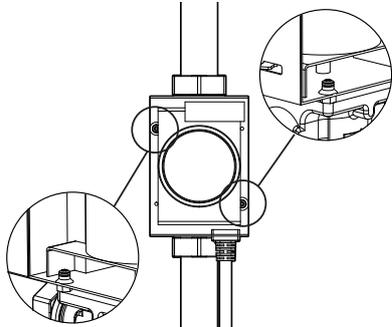
REPLACING ACTUATOR

REMOVAL

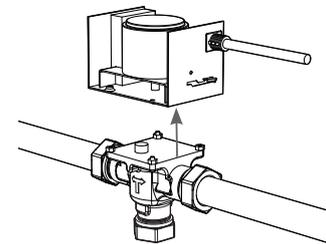
1- Remove the locking screw and then remove the actuator cover and lock the lever in "MAN" position.



2- Loosen 2 securing screws.

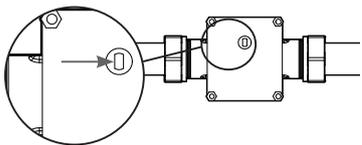


3- Lift actuator from valve body.

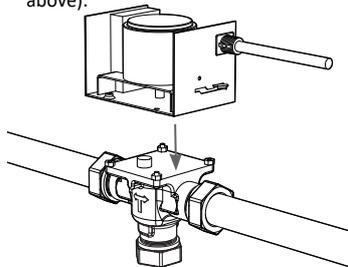


RE-FITTING

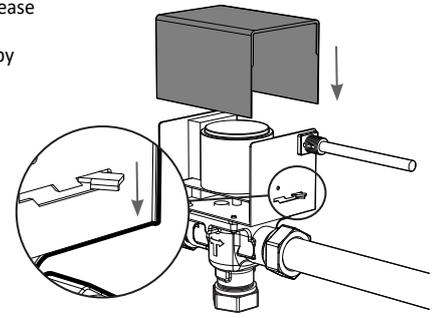
4- Ensure valve stem in parallel position as indicated.



5- Seat the actuator over the valve body and tighten the 2 securing screws (see above).

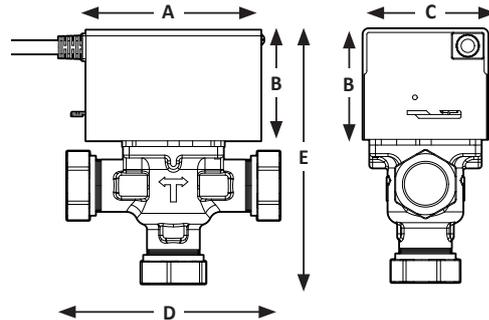


6- Replace the cover and screw. Release lever and allow to travel back to "AUTO": do not force the travel by hand.



DIMENSIONAL SPECIFICATIONS

Dimensions (in mm):



	MTV322 : 22mm compression fittings
A	87
B	55
C	60
D	117
E	133



TECHNICAL SPECIFICATIONS

- Voltage: 230V~ 50Hz.
- Power consumption: 6W.
- Cable length: 1m, 5 core.
- Port A is normally closed when there is no power.
- Max. differential pressure for 22mm = 1Bar.
- Max. static pressure 10.0 Bar.

Environment :

- Fluid temperature: +5°C to +80°C.
- Max ambient temperature: +50°C.

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UK
CA

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CE

Neomitis Ltd and Imhotep Creation belong to Axenco Group.



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www.neomitis.com



NEOMITIS

Creating innovative solutions for ambient comfort

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