

01

GLOBE

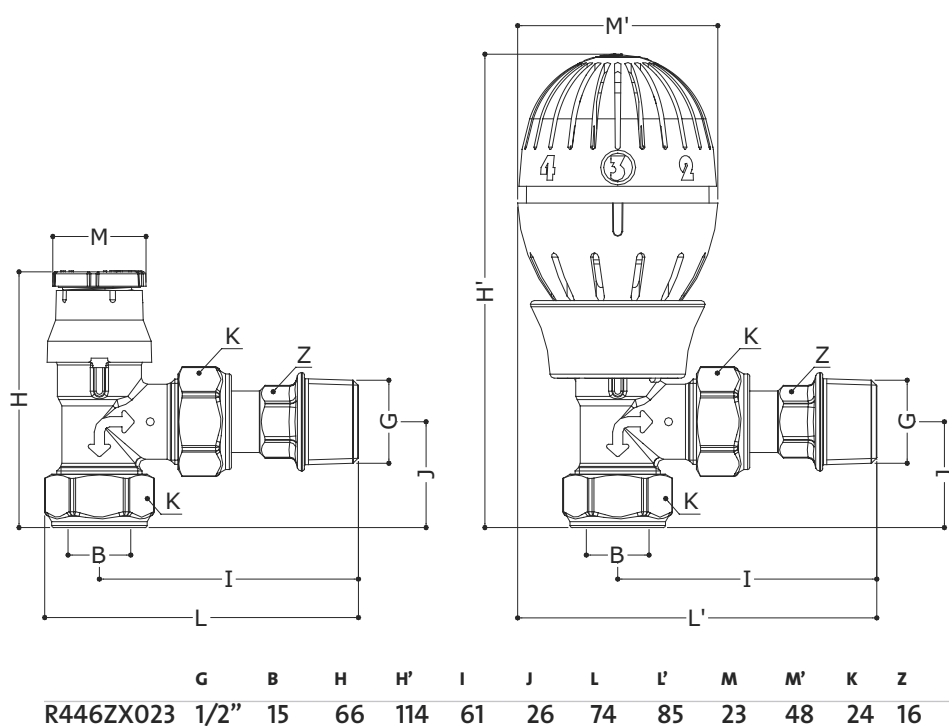
General features



The R470 is a thermostatic head with liquid sensor having a low hysteresis, and a handwheel divided into 5 numbered positions. There is also a special head to body connection patented as SNAP-ON. The working range is from 46°F (8°C) to 90°F (32°F).

The valve is fully reversible and can be fitted on the flow or return as required.

Dimensions



Technical data

Max Working pressure: 10 bar

Max Flow temperature: 110°C

Max differential pressure 14 bar

Valve body finish: Chrome upon nickel plating

Temperature range:

Frost protection position á: 8°C

Position 3: 20°C

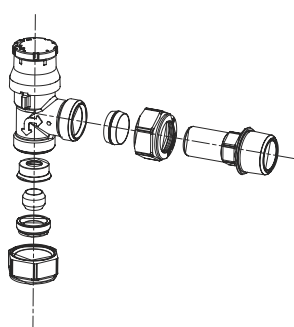
Fully open (positionR): 32°C

Supplied with plastic coated tail and carbon based seal to eliminate tape or other sealants.

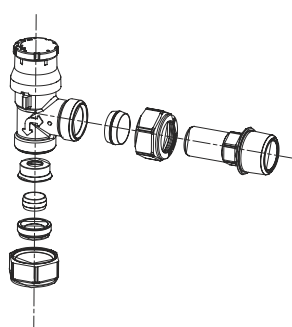
An added feature is the safety cap, which incorporates a screw-top to provide total shut-off during redecoration or radiator replacement.

Valve Connection

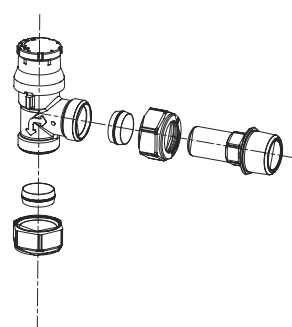
The valve is supplied with reducing sets in order to connect different sizes (8 or 10 or 15 mm) copper pipe (a showed on the below image). The connection to the radiator is 1/2" BSP.



Reducing Set For
8 mm Copper Pipe



Reducing Set For
10 mm Copper Pipe



Reducing Set For
15 mm Copper Pipe

Installation of thermostatic head

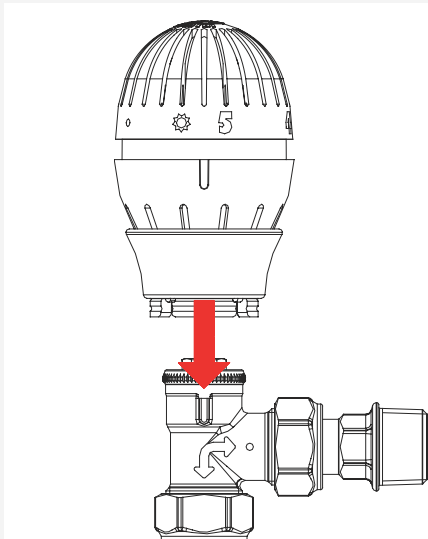


The shut-off cap can be removed by using a screwdriver as shown.

Conversion



Open valve by turning the hand wheel beyond position 5



Fasten the head fully to the valve body ensuring the half moon shaped recess aligns with the notches of the body.

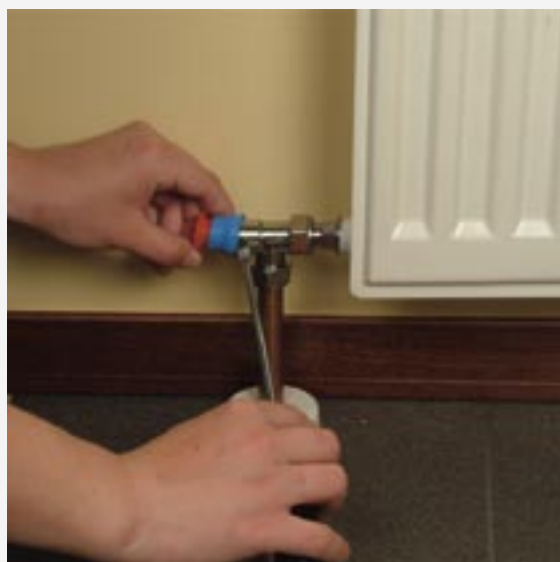


By fully closing the head, it is automatically fixed to the valve body.



The head can be set to the required position.

Reverse application



When the valve is installed in a reverse position, the thermostatic head can be applied with the same procedure mentioned previously.



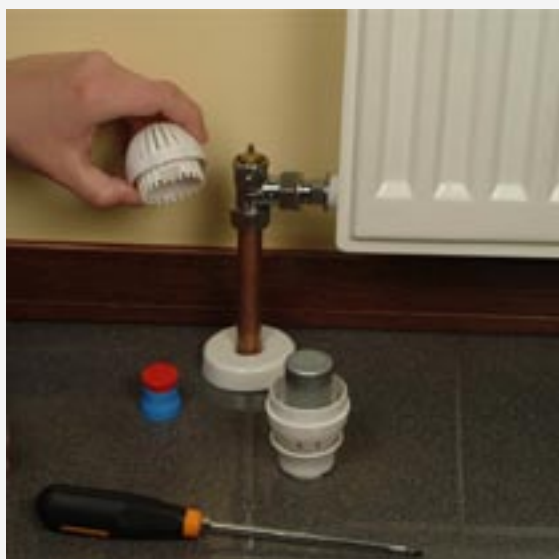
Lock and limit facility



After having rotated the handle to the desired position remove by pulling it forward. In order to avoid loss of calibration of the thermostatic head do not tamper with the position of the bulb.



In order to partially open or close the thermostatic head, remove the limitation clip from the seat or both clips to lock.



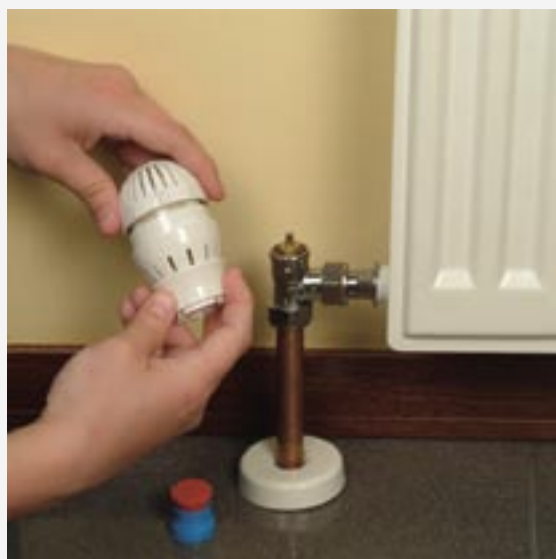
Partial opening is carried out by inserting the limitation clip in the cams present on the handle to the right to the desired number.



Partial closing is carried out by inserting the limitation clip in the cams present on the handle to the left of the desired number.



In order to lock the handle in the desired position, it is necessary to insert both limitation clips in the cams positioning them at the right and at the left of the chosen number.



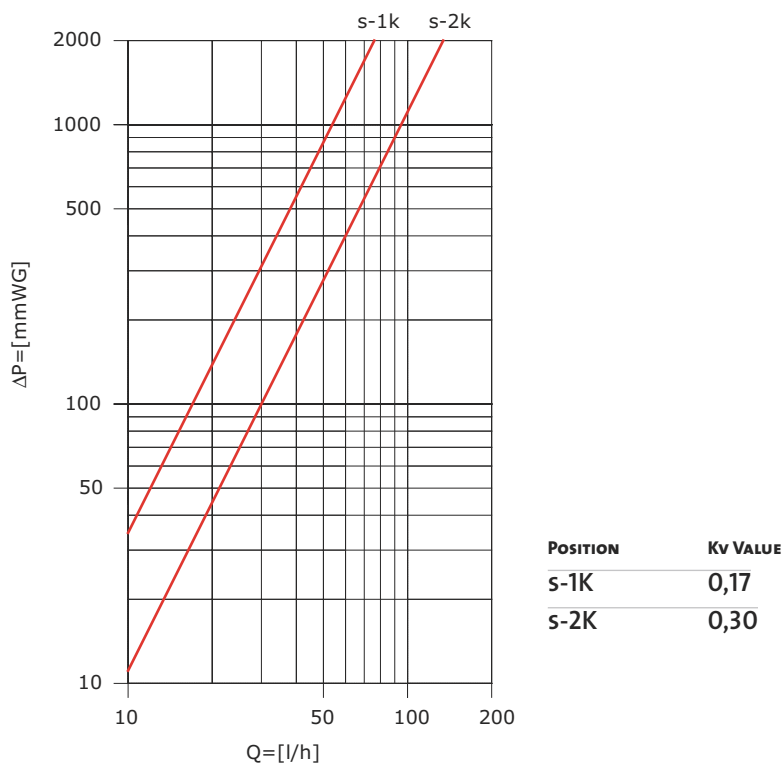
After having positioned the limitation clips fasten the head to the body as explained earlier.

Pressure drop diagram and positioning of the sensor

The construction of the sensor head means that it can perform well mounted horizontally or vertically.

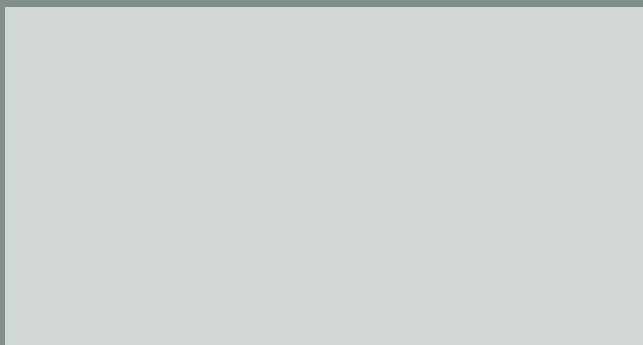
The temperature referred to above are guidelines and as with all TRV's greatest accuracy is obtained with the head mounted horizontally.

The sensor head should never be concealed or covered over.



Maintenances

Before removing radiator the shutoff cap must be re-fitted and fully closed or the system drained down.



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