ENGINEERING
TOMORROW

INSTRUCTION

HOME Radiator Thermostat Bi-Directional valve with flow- selectable feature

Installation of valve

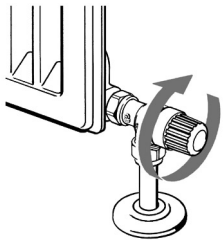
The valve is a bi-directional valve and can be installed horizontally or vertically in either the flow or return pipe.

A built in flow direction selection feature can be used to eliminate the risk of water hammer.

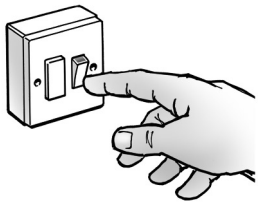
Troubleshooting

In the unlikely event of water hammer being encountered turn the setting ring (see diagram 4) to the other setting. Alternatively if commissioning the whole system, establish the flow direction through each valve using the diagrams below.

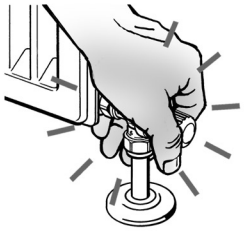
If the flow direction needs to be changed there is no need to remove the valve, simply turn the setting ring.



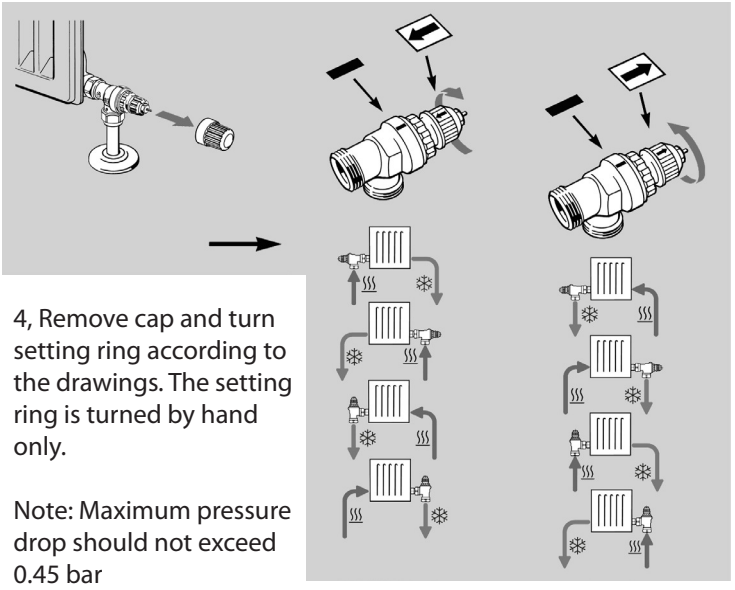
1, Close all radiator valves by turning the valve cover cap clockwise. Leave system to cool.



2, Start boiler/heating.

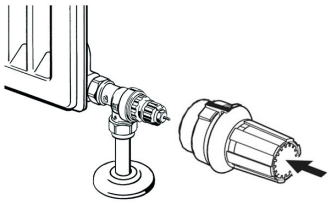


3, Open one valve and determine flow direction. Which pipe heats first?



4, Remove cap and turn setting ring according to the drawings. The setting ring is turned by hand only.

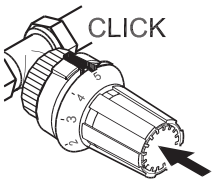
Note: Maximum pressure drop should not exceed 0.45 bar



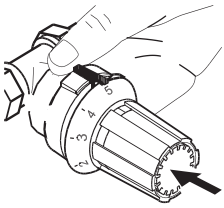
5, Repeat step 3 and 4 until all valves have been set correctly. Sensor may now be fitted or the valve cap temporarily refitted.

Installation Guide

Fitting the Sensor



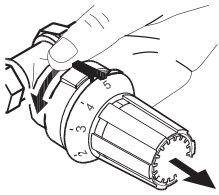
1. The Danfoss snap-on mounting is easy to install and requires no use of tools.



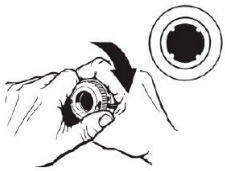
2. When the sensor is in place, the snap-on mechanism is activated and the sensor is mounted correctly.Tighten the coupling by turning the snap-on ring clockwise.

3. Set desired room temperature.

Removing the Sensor



1. The sensor is removed by turning the snap-on ring counter-clockwise.

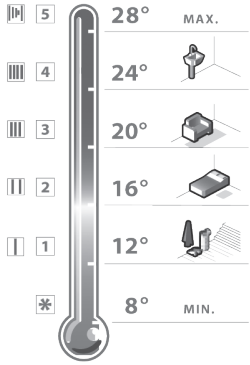


2. Before remounting the snap-on mechanism must be activated manually by turning the snap-on ring counter-clockwise.

User Guide

Setting the desired room temperatures

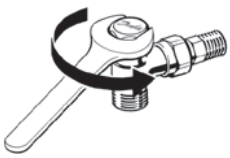
The desired room temperature is set by turning the head. The temperatures obtained are approximately:



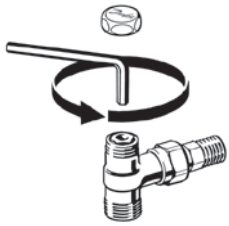
Do not cover the thermostat

The thermostat opens and closes as determined by the temperature around it. Therefore the sensor must never be hidden behind thick curtains, furniture, etc. Alternatively a thermostat with remote sensor should be used.

Lockshield valve (type RLV-D) is only included in codes: 013G6545 & 013G6546.



Removal of protective cap



Balancing

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