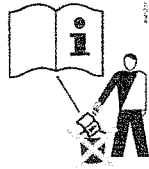


**IMPORTANT !**



Please read these instructions before mounting

**Type reference**



RTN51GB



VEN115GB



MTN51GB



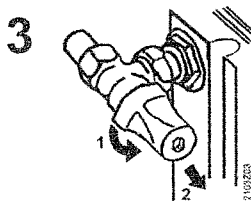
MTN51GBL



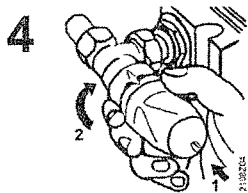
Avoid positions not allowing a correct temperature sensing by the thermostatic head.



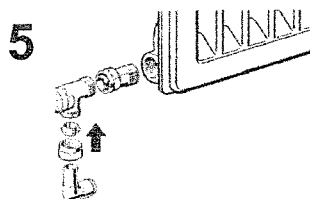
Install the valve body to the pipe and to the radiator as for a normal valve. The flow is bi-directional on the valve body.



Remove the protective cover. Keep the cover handy for eventual maintenance.



Match the valve body and the thermostatic head. Tighten the nickel plated ring manually until it stops.



Provided you have an elbow, mount it to the valve and tighten the nut.

**Maintenance**

Normally, thermostatic radiator valves do not require any specific maintenance.

However, the thermostatic head has to be kept dry and clean. Improper use is also to be avoided.

During the summer months set the valve in the fully open position in order to avoid undue wear.

In case of removal of the radiator, the water can be stopped by tightening the end cap.

**User Instructions**

Thermostatic valves are self-acting temperature controllers.

Set the desired temperature by positioning the thermostatic head on the corresponding number. Depending on specific installation situations such as the radiator position in a room or the location of other heat sources influencing the sensing element, the valve numbers may not correspond with the exact temperature. In such cases adjustment must be made step by step until the desired temperature is reached.

The frost protection functions only when the installation is regularly in operation.

When selecting temperatures above 20°C it is necessary to be certain that the radiator and/or the whole system has the capacity for the higher temperature required.

**Scale, Symbols and Tappets**

The head has a scale and symbols that correspond to the following room temperature setpoints:

0	*	1	2	3	4	5
Valve fully closed (only with RTN51GB)	Frost protection at 8 °C	12 °C	16 °C	20 °C	24 °C	28 °C

One position between numbers corresponds to approximately 4°C.

Two easily adjustable captive tappets are used to set the required setpoint setting range:

Turn tappet until stop is reached (at the setpoint indicator) → push on it → turn head until stop is reached → release tappet.

## Technical Data

Static operating pressures

max. 10 bar

Differential pressure

max. 1.5 bar (normal flow)

max. 0.8 bar (reverse flow)

Working temperature

max. 120°C

Min/max temperature range of inalterability of thermostatic element

-15°C to 60°C

$k_{vg}$ -value

0.79 m<sup>3</sup>/h

$k_v$ -value at a P-Band of 2 K

0.62 m<sup>3</sup>/h

Control range

8°C to 28°C

Hysteresis

≤1 K

Time constant

25 minutes

Fluid temperature influence

≤1.5 K

Differential pressures influence

≤1 K