

# Thermostatic head art. T 5000



The use of thermostatic valves makes each room independent, giving the option of individual temperature adjustment, more comfortable conditions and considerable energy saving, as required by national and international standards. The temperature of the room is regulated by a thermostatic element inside the head, controlling the flow of hot water to the heating body on the basis of room temperature. The range of temperature adjustment can be limited, and the hand knob can be locked to a specific value. The various types of IVAR thermostatic valves can be used in every situation, even those with special technical requirements (e.g. close to sources of heat, restricted spaces or difficult to reach, etc...).

## ■ TECHNICAL FEATURES

*Liquid expansion thermostat*

Setting range: 6.5 ÷ 28 °C

Hysteresis: 0.5 K

Response time (Z): 30 min

Water temperature effect (W): 0.75 K

Heat element inalterability range: -15 ÷ +60 °C

Max heat transfer fluid temperature: 100 °C

Possibility of limiting and blocking the setting.

The intermediate setting is "3".

## ■ MATERIALS

Knob: ABS

Head body: PC and ABS blend

Limiting and locking washer: 30 % glass-filled PA

Ring nut: CW617N brass

Safety device:

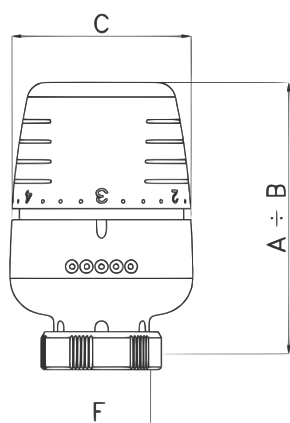
- cartridge and spindle: POM

- spring: spring steel wire DIN 17223 class D

Liquid expansion thermostat

Colour: RAL 9010

## ■ DIMENSIONS



ART.	COD.	A	B	C	F
T 5000	501172	73	78	50	M30×1.5

## ■ OPERATING INSTRUCTIONS

### Installation

To mount the head, proceed as follows:

- Remove the adjustment cover (i) in Fig.1a;
- Place the setting on "5";
- Fit the head to body, by manually screwing the ring down.

### Limiting and locking the setting

- Set the head in the required position (e.g., "3");
- Use a screwdriver to disassemble the cover (ii), the locking cap (iii) and the first of the toothed washer (iv) represented in Fig.1b;
- Reassemble the washer (iv) as in Fig.1c if you want to limit the setting from \* to "3";
- Reassemble the washer (iv) as in Fig.1d if you want to lock the setting to value "3";
- Reassemble the locking cap (iii) and the cover (ii).

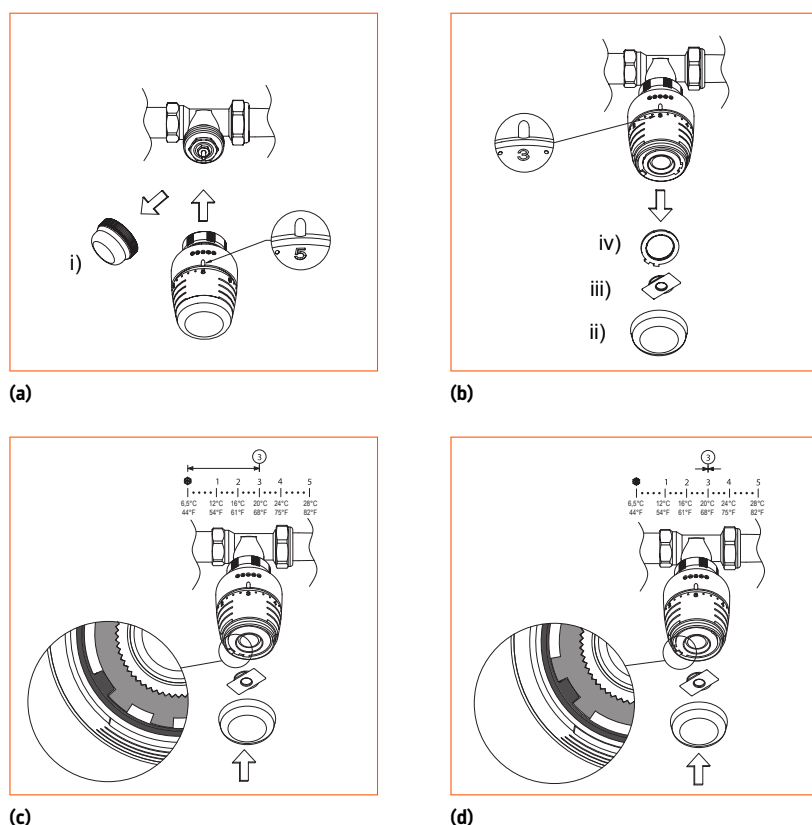


Fig. 1: Head installation and regulation setting and locking.

## ■ NOTES

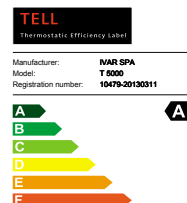
For the circuit to work properly, we recommend installing a differential pressure valve between delivery and return. To avoid excessive noise in the circuit, avoid using thermostatic valves with  $\Delta p$  values higher than 0.2-0.25 bar.

## ■ CERTIFICATIONS

Thermostatic head T 5000 is manufactured in compliance with European standard EN 215:2004/A1/2006.



System certification for thermostatic head T 5000 cod. 501172 + thermostatic valves VD 2101 cod. 500439-500440-500308, VS 2102 cod. 500500-500501-500309, VD 2103 cod. 500476, VS 2104 cod. 500515, VD 2105 cod. 500473, VS 2106 cod. 500805, VD 2101N cod. 500888-500459-500383, VS 2102N cod. 500870-500513-500384, VD 2103N cod. 500477, VS 2104N cod. 500516, VD 2105N cod. 500474, and VS 2106N cod. 500806.



Information: [www.tell-online.eu](http://www.tell-online.eu)

A Label of Elkhed Valves  
European Valve Manufacturers Association

Thermostatic head T 5000 also obtained TELL (Thermostatic Efficiency Label) in class A.

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