Climate
Control

IMI Heimeier

Thermostatic head set WK

Thermostatic Heads

Thermostat head set WK and angled connection for radiators with integrated valves

Breakthrough
engineering for
a better world

Thermostatic head set WK

The thermostatic head set and the angled connection have been designed for radiators with integrated valves which have a thermostatic insert with an M 30 x 1.5 connecting thread. It can be turned around for mounting on the left or right of the radiator.

Key features

Can be turned around for mounting on the left or right of the radiator

With 2 clips for marking, limiting or blocking

Liquid-filled thermostat with high pressure power and precision control

Brief data including the most important settings

Technical description

Applications area:
Heating systems

Functions:
Room temperature control.

Frost protection.

Markings indicate upper and lower temperature range; two energy saving clips can be used to liwith settings.

Control behavior:
Proportional controller without auxilliary energy. Liquid-filled thermostat. High pressure power, lowest hysteresis, optimal closing time.

Stable control behavior even in the case of small calculated p-band variation (<1K).

Nominal temperature range:
6 °C - 28 °C

Temperature:
Max. sensor temperature: 50°C (122°F)

Specific extension:
0.22 mm/K,
Valve stroke liwither

Control accuracy, CA value:
0.2 K

Material:
ABS, PA6.6GF30, brass, steel, Liquid-filled thermostat.

Colour:
White RAL 9016

Marking:
Heimeier.

Setting numbers.

Symbols for basic setting and nighttime reduction

Brief data including the most important settings

Setting indicators on the face of the head and markings designed for the visually impaired

Rotation direction indicator.

Connection:
For radiators with integrated valves which have a thermostatic insert with an M30x1.5 connecting thread.

Can be turned around for mounting on the left or right of the radiator.

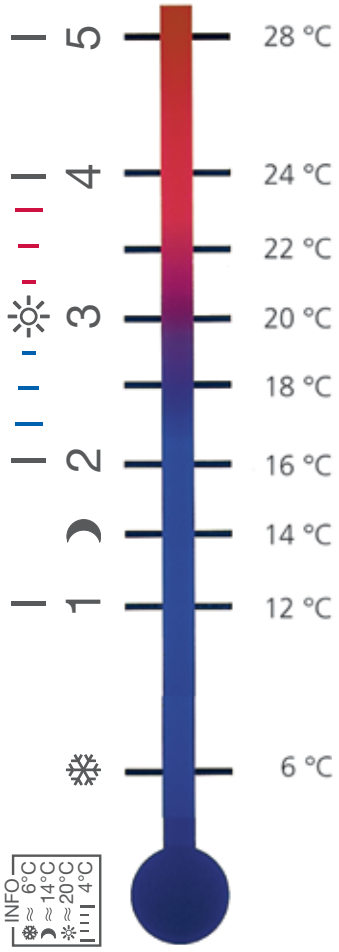
Function

In terms of controls, thermostatic heads are seen as continuous proportional controllers (P controllers) that require no auxilliary energy. They do not need an electrical connection or other source of energy. Changes in room air temperature are proportional to changes in the valve stroke.
If the temperature of the air in the room increases due to sunshine, for example, the liquid in the temperature sensor expands and affects the corrugated pipe. This chokes the water supply to the radiator via the valve spindle. If the temperature in the room decreases, the opposite process occurs. The change in valve stroke caused by a change in temperature can be quantified as 0.22 mm per K room temperature change.

Operation

Recommended room temperatures
The following temperature settings are recommended for the corresponding rooms based on heating with cost savings in mind:

Setting/Position	Room temperature approx.	Recommended for e.g.
5	28 °C	Swimming pool
4	24 °C	Bathroom
	22 °C	Work room or children’s bedroom
3	20 °C	Living or dining rooms (basic setting)
	18 °C	Kitchen, corridor
2	16 °C	Hobby room, bedroom
	14 °C	All rooms at night (nighttime reduction)
1	12 °C	Stairway, vestibule
	6 °C	Basement/cellar rooms (frost protection setting)



Setting the temperature
The desired room temperature can be selected by turning the thermostatic head (right = cooler, left = warmer). The arrow must be pointing to the appropriate setting position (number, bar, symbol).
All IMI Heimeier thermostatic heads are adjusted in a climatic chamber, free of external influences such as heat build-up, sunshine, etc. The number 3 corresponds to a temperature of approximately 20 °C (68 °F). The difference between each number is approximately 4 °C (7 °F), from bar to bar approx. 1 °C (2 °F).
We recommend setting at the number 3 which corresponds to the basic setting of about 20 °C (68 °F) room temperature. Settings above 4 should be avoided if a lower setting satisfies the comfort level, as a 1 °C (2 °F) higher room temperature corresponds to an increase in energy use of around 6 %.

Application

The thermostatic head set WK fits, for example, on the following radiators with integrated valves

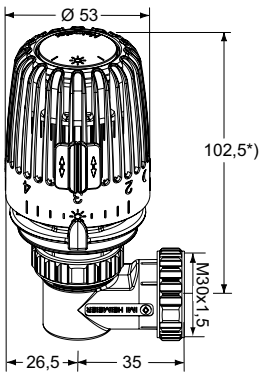
ACOVA	Delta	Kampmann
Alarko	Demrad	Kermi
Arbonia	DiaNorm	Korado
Baufa	Dia-therm	Purmo
Baykan	Dunaferr	Radson
Bemm	DURA	Rettig
boki	Emco	Runtal
Borer	Heatline	Starpan
Bremo	Henrad	Superia
Brugman	HM Heizkörper	Termo Teknik
Caradon Stelrad	Hoval	US-Steel
Celikpan	IMAS	Vasco
Concept	Jaga	VEHA
Cöskünöz	Jugotherm	Zehnder
DEF	Kalor	Zenith

Date: 10.19.

Technical changes made by the radiator manufacturer must be taken into account.

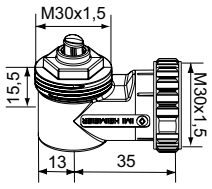
It is not permitted to use adapters for mounting onto thermostatic inserts that do not have an M 30 x 1.5 connecting thread.

Articles



Thermostatic head set WK
Angle connection set with M 30 x 1.5 connection for radiators with integrated valves.

EAN	Article No
4024052278718	7300-00.500



Angle connection M30x1,5

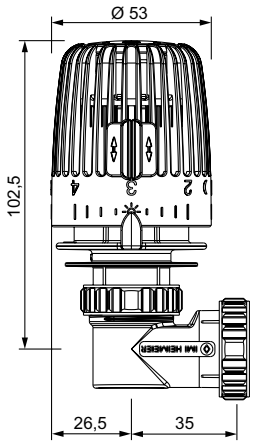
EAN	Article No
4024052035724	7300-00.700

*) setting at 3

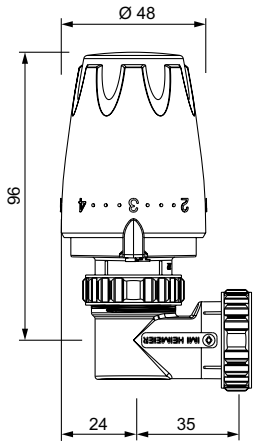
The groove on the face of the thermostatic heads K, VK, WK and F serves to take up specially printed **“partner clips”.**
E-mail: Partnerclip.Montage@imi-hydronic.com

Dimensions for other thermostatic heads

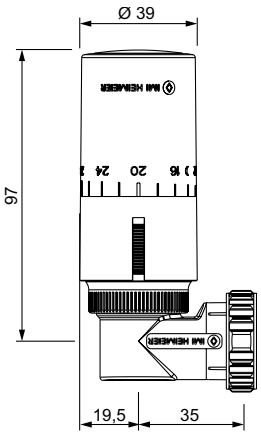
Angle connection with Thermostatic head K



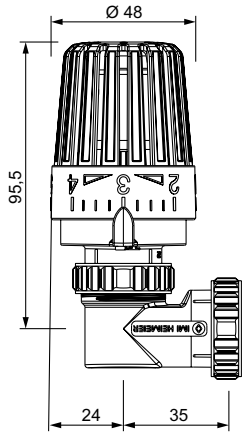
Angle connection with Thermostatic head DX



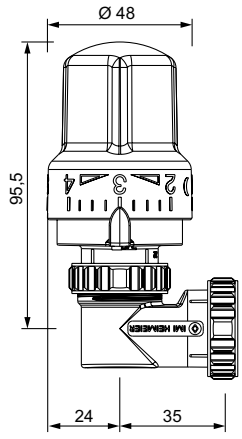
Angle connection with Thermostatic head Halo



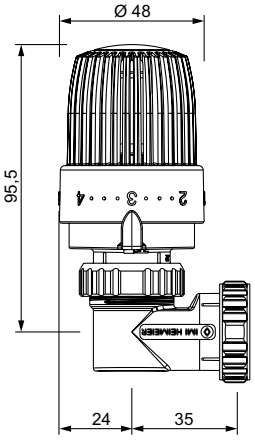
Angle connection with Thermostatic head D



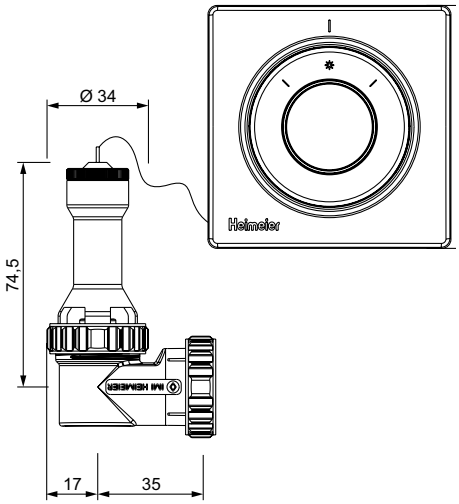
Angle connection with Thermostatic head D-U



Angle connection with Thermostatic head S

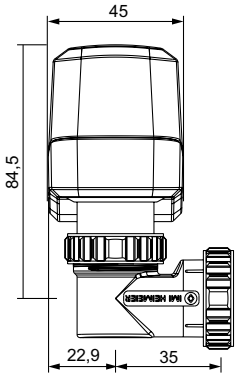


Angle connection with Thermostatic head F

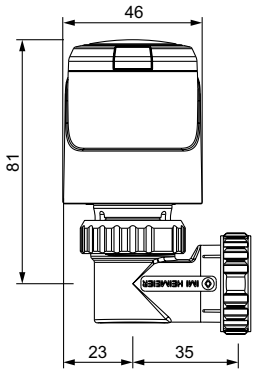


Dimensions actuators

Angle connection with TA-Slider 160



Angle connection with EMO T / EMO TM



Angle connection with EMOtec