IMI HEIMEIER

Thermostatic heads

– Overview

For all thermostatic valve bodies and radiators with integrated valves

IMI Hydronic Engineering

Breakthrough Engineering

Thermostatic heads
– Overview

Thermostatic heads are used to control the temperature of individual rooms using, for example, heaters, convectors, and radiators. Our thermostatic heads come available with built-in sensors or remote sensors, anti-theft mechanisms and positive shut-off functions. All feature our incompressible liquid-filled sensor and guarantee reliable and precise control.

Key features

- **Liquid-filled thermostat with high pressure power and precision control**
- **Superior pressure power and a strong spring ensure the valve will not stick after non-use during the summer months**
- **Limiting or locking of a setting**
- **The never changed HEIMEIER M30x1.5 connection ensures it always fits**
- **Models with direct connection to thermostatic valve bodies from other manufacturers without adaptor**

Description

HEIMEIER thermostatic heads are control units for controlling the temperature in individual rooms and are available in various models.

For models with a **built-in sensor**, the actuator, controller, and sensor form a single unit which is the thermostat. This is filled with an incompressible liquid and has high pressure power.

For thermostatic heads with **remote sensors**, the main part of the temperature-sensitive liquid is not found in the head itself, but rather in the remote sensor. From there the liquid acts on the corrugated pipe in the head via the capillary tube.

For **remote dials**, the thermostatic head is separated from the valve body and acts on the corrugated pipe in the valve connecting piece via the capillary tube.

The groove on the face of the thermostatic heads K, VK, WK and F serves to take up “color clips” or specially printed “partner clips”.

HEIMEIER M30x1,5 connection to valve body. Also thermostatic heads with direct connection for valve bodies from other manufacturers are available.

See separate leaflets for more information on each product.

Standard

011

Certified and tested by KEYMARK in accordance with DIN EN 215 (Series D and F)
KEYMARK symbol approval number 011-6T 0006

Thermostatic heads with built-in or remote sensor. Remote dial

Thermostatic head K
With built-in sensor
With remote sensor.

Thermostatic head DX
With built-in sensor
Also avilable in jet black colour.

Thermostatic head D-U
With built-in sensor

Thermostatic head F
Remote dial with built-in sensor.

Thermostatic head Halo
With built-in sensor.
Also avilable in chrome colour.

Thermostatic head D
With built-in sensor

Thermostatic head Halo-B
Secured model designed for public buildings

	Thermostatic head						
	K	**Halo**	**DX**	**D**	**D-U**	**Halo-B**	**F**
Temperature range [°C]	6-28 0-28 15-35 6-xx *	6-28 0-28	6-28	6-28	6-28 16-28	8-26	0-27
Frost protection	√	√	√	√	√	√	√
Connection	Heimeier M30x1,5	Heimeier M30x1,5	Heimeier M30x1,5	Heimeier M30x1,5	Heimeier M30x1,5	Heimeier M30x1,5	Heimeier M30x1,5
Color clips / partner clips possibility	√						√
Limiting of a temperature	With economy clips or covered stop clips		With stop pin	With stop pin	With stop pin		With covered stop clips
Locking of a temperature	With economy clips or covered stop clips	With locking slider	With stop pin	With stop pin	With stop pin	With setting key	With covered stop clips
Theft protection	With security ring or 2 screws					√	
Special features	Low water temperature influence and hysteresis. Brief data including the most important settings. Markings for the visually impaired.	Slim, cylindrical design.	Particularly suitable for hygienically demanding areas. Reduced size in length and diameter.	Reduced size in length and diameter.	Reduced size in length and diameter.	Flexural strength of the thermostatic head min. 1000 N. Infinitely variable temperature setting using a special key without removing the protection cap.	Brief data including the most important settings.

*) Models with staggered/limited setting range.

Thermostatic heads especially for radiators with integrated valves

Thermostatic head set WK
Angle form

Thermostatic head VK
With clamp connection

	Thermostatic head	
	set WK	**VK**
Temperature range [°C]	6-28	6-28 0-28
Frost protection	√	√
Connection	Heimeier M30x1,5	Clamp connection/Danfoss RA
Color clips / partner clips possibility	√	√
Limiting of a temperature	With economy clips	With economy clips or covered stop clips
Locking of a temperature	With economy clips	With economy clips or covered stop clips
Theft protection		Model with 2 screws
Special features	Can be turned around for mounting on the left or right of the radiator. Brief data including the most important settings. Markings for the visually impaired.	White cover for lower part. Brief data including the most important settings. Markings for the visually impaired.

Thermostatic heads with direct connection for valve bodies from other manufacturers

Thermostatic head VK
With Danfoss RA connection

Thermostatic head K
With Danfoss RAV, RAVL and Vaillant connection

Thermostatic head DX
With Danfoss RA, TA and Herz connection

	Thermostatic head		
	VK	**K**	**DX**
Temperature range [°C]	6-28 0-28	6-28	6-28
Frost protection	√	√	√
Connection	Danfoss RA (Ø20)	Danfoss RAV (Ø34) Danfoss RAVL (Ø26) Valliant (Ø30)	Danfoss RA (Ø20) TA (M28) Herz (M28)
Color clips / partner clips possibility	√	√	
Limiting of a temperature	With economy clips or covered stop clips	With economy clips or covered stop clips	With stop pin
Locking of a temperature	With economy clips or covered stop clips	With economy clips or covered stop clips	With stop pin
Theft protection	Model with 2 screws		
Special features	White cover for lower part. Brief data including the most important settings. Markings for the visually impaired.	Brief data including the most important settings. Markings for the visually impaired.	Particularly suitable for hygienically demanding areas

Application

HEIMEIER thermostatic heads are used to control the temperature of individual rooms using, for example, heaters, convectors, and radiators.
They are designed to be mounted on all HEIMEIER thermostatic valve bodies and on radiators with integrated valves which have an M30x1.5 connecting thread on the thermostatic insert. Adapters and models with direct connections enable mounting onto thermostatic valve bodies from other manufacturers.
The thermostatic heads use the energy of internal and external heat sources including solar heat, the heat radiated from people and electrical devices, and other sources, in order to keep the room air temperature constant. This helps to avoid wasting energy.
Thermostatic heads with built-in sensors may not be covered by curtains, radiator facings, or other obstructions, or mounted vertically or in tight niches. Otherwise it will not be possible to precisely control the temperature.
In other cases, it may be necessary to install a remote sensor or remote dial (see leaflet “Thermostatic head F).

Notes on installation

Correct
Circulation of air around the thermostatic head is not hindered.

Correct
The remote sensor enables an unhindered reading of the air temperature in the room.

Underfloor convector
(Thermostatic head F)

Incorrect
The thermostatic head with built-in sensor may not be mounted vertically.

Incorrect
The thermostatic head with built-in sensor may not be covered by curtains.

Built-in cabinet
(Thermostatic head F)