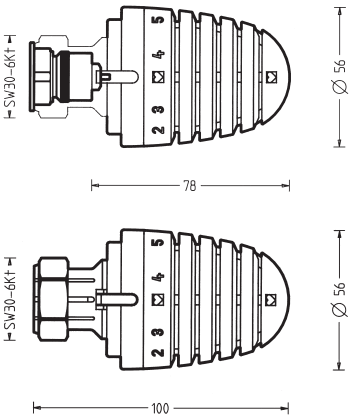
HERZ Thermostatic heads

for direct mounting onto radiators with integrated valves

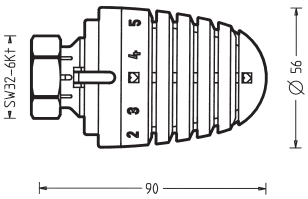
Data sheet for **9230 D** / **9260 D** / **9230 H** / **9260 H**, Issue 0223

HERZ Thermostatic head

011
EN 215
checked and registered
Certified products:
1 **9230** 98
1 **9230** 99
1 **9260** 98
1 **9260** 99



9230 D/9260 D



9230 H/9260 H

Models 9230 H, 9260 H, 9230 D, 9260 D

9230 H

1 **9230** 98 **Radiator thermostat with liquid sensor (hydrosensor)**
for direct mounting onto radiators with connection thread M 30 x 1.5, with position „0“, adjustable frost release, limitation and locking of selected temperature range.

9260 H

1 **9260** 98 **Radiator thermostat with liquid sensor (hydrosensor)**
for direct mounting onto radiators with connection thread M 30 x 1,5, with automatic frost release, limitation and locking of selected temperature range.

9230 D

1 **9230** 99 **Radiator thermostat with liquid sensor (hydrosensor)**
for direct mounting onto radiators with clamps or snap fastener, with position „0“, adjustable frost release, limitation and locking of selected temperature range.

9260 D

1 **9260** 99 **Radiator thermostat with liquid sensor (hydrosensor)**
for direct mounting onto radiators with clamps or snap fastener, with automatic frost release, limitation and locking of selected temperature range.

Operational data

Set point range **9230**: 0-30 °C
9260: 8-28 °C
Frost protection at ~ 8 °C
The HERZ thermostatic head is maintenance-free.

Manufacturer data

Order number	Hysteresis at nominal flow [K]	Differential pressure influence [K]	Closing time in min	Water (heating medium)-temperature influence	CA-value
1 **9230** 98	0,18	0,15	28	0,7	0,2
1 **9230** 99	0,18	0,15	28	0,7	0,2
1 **9260** 98	0,18	0,15	28	0,7	0,2
1 **9260** 99	0,18	0,15	28	0,7	0,2

Function

The HERZ thermostat senses and controls the room temperature. The change in volume of the liquid filling in the HERZ hydrosensor moves the valve‘s push spindle.

Design

The attractive design of the HERZ thermostat was developed in cooperation with “Porsche Design GmbH”, Ferdinand A. Porsche, A-5700 Zell am See.

Setting options, hand wheel scala, maximum setting

By setting the scale marks opposite the pointer it is possible to achieve approximately the following temperatures in the room. Deviations of a few degrees of temperature (K) are possible according to the mode of installation and the design of the heating system.

Mark	❊	1	2	3	♡	4	5	6
°C	~ 8	~ 10	~ 13	~ 17,5	~ 20	~ 22	~ 25	~ 28

Thermostat **9230**: Turning anti-clockwise to the maximum position (preset by manufacturer) corresponds to approx. 30 °C.

Thermostat **9260**: Scale mark „6“, corresponds to approx. 28 °C.

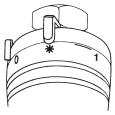
Comfort point ♡

The comfort point ♡ corresponds to a room temperature of approx. 20 °C. This means optimum heating comfort and energy saving.

Shutoff thermostat 9230

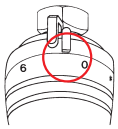
In the „0“ position the thermostatic valve is shut off and the frost release is turned off. This is not a mechanical shutoff of the thermostatic valve; „ ❊ “ must be set to ensure protection against frost.

Frosts release ❊



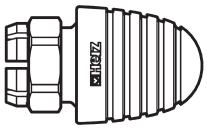
In the „ ❊ “ position, the valve opens automatically at an ambient temperature of approximately 8 °C thus preventing the system from freezing up.

Pre-setting by manufacturer



The pre-set stop limit is shown by a point mark and corresponds to the entire turning range.

HERZ-TS Hand wheel



In the exceptional case that a thermostatic valve lower part is not equipped with a HERZ thermostatic head, a HERZ-TS hand wheel can be used. For details refer to standard sheet **7102** or **9102**.

1 **9102** 98 HERZ-TS Hand wheel „H“, Serie 9000, for radiators with integrated valves with connection thread M 30 x 1,5.

1 **9102** 99 HERZ-TS Hand wheel „D“, Serie 9000, for radiators with integrated valves with clamps or snap fastener.

Summer position

After the end of the heating period, open thermostats completely by turning anticlockwise to prevent the formation of dirt deposits at the valve seat.

Theft protection

For protection against theft a clip, which are fitted over the fastening nut.

Accessories

1 **6640** 00 HERZ universal key, for opening theft protection clips

1 **6807** 90 HERZ-TS-90 assembly key, for Thermostate „D“

1 **9551** 00 Limiting pin for limitation and locking of the set point range, for thermostats „D“ and „H“

1 **9552** 03 Theft protection (snap clips), opening with key 1 **6640** 00.

1 **9552** 98 Theft protection „H“ (snap clips), opening with key 1 **6640** 00.

1 **9553** 98 Cover sleeve for HERZ thermostat fastening nut „H“, length 20 mm

1 **9597** 44 Cover sleeve for HERZ thermostat fastening nut „H“, length 17 mm

1 **9598** 44 Cover sleeve for HERZ thermostat fastening nut „H“, length 22,5 mm

1 **9599** 44 Cover sleeve for HERZ thermostat fastening nut „D“

Limitation and locking

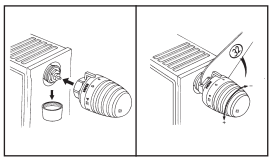
Adjustments for the limitation and locking of the set temperature range see overleaf.

HERZ Thermostatic heads „H“ – 1 9230 98, 1 9260 98

Field of application

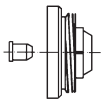
The HERZ thermostatic heads are screwed directly onto the M 30 / 1.5 connnection thread of radiators with integrated valves without using an adapter.

Installation



1. Remove the screw cap or cover from the lower part of the thermostat integrated valve into the radiator.
2. Open thermostat completely, which corresponds to the “max” presetting position as delivered. Turn the thermostat in such a way that the display pointer is perfectly visible and points upwards.
3. Place union nut on the lower part of the thermostat and tighten with 32-mm-open end wrench.
4. Test for proper functioning by turning the hand wheel and set to the desired temperature.

Important for installation



Under no circumstances should the thermostat be exposed to direct sunlight or to the effects of equipment emitting relevant quantities of heat (e.g. TV-sets). If the radiator is covered (e.g. by curtains) this will cause heat accumulation zones in which the thermostat cannot sense the room temperature properly and consequently cannot control it.

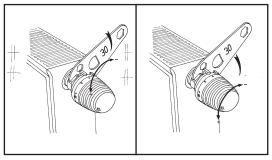
In these cases, use HERZ thermostatic head with remote sensor **(9430)** or remote control **(9330)** which are mounted onto the thermostatic lower part integrated into the radiator by means of the HERZ adapter ring (1 **6357** 11).

HERZ Thermostatic heads „D“ – 1 9230 99, 1 9260 99

Field of application

The HERZ-thermostats are mounted directly onto radiators with integrated valves suitable for clip or snap-on connection without using an adapter.

Installation



1. Remove cap from the radiator.
2. Place thermostat head in “completely open” position – as delivered – and with the pointer pointing upwards onto the upper part of the valve in such a way that the ribs of the anti-twist lock engage in the notches of the upper part. For this purpose, it is necessary to slide the nut back towards the hand wheel. Slide the thermostatic head on up to the stop. A slight resistance is to be overcome until it snaps in place.
3. Slide the nut towards the radiator and tighten by turning clockwise up to the stop.
4. Test for proper functioning by turning the hand wheel and set to the desired temperature.

Important for installation

Under no circumstances should the thermostat be exposed to direct sunlight or to the effects of equipment emitting relevant quantities of heat (e.g. TV-sets). If the radiator is covered (e.g. by curtains) this will cause heat accumulation zones in which the thermostat cannot sense the room temperature properly and consequently cannot control it.

In these cases, use HERZ thermostatic head with remote sensor **(9430)** or remote control **(9330)** which are mounted onto the thermostatic lower part integrated into the radiator by means of the HERZ adapter ring (1 **6362** 01) .

HERZ-3000 Connection system for integrated radiator valve

For connecting the radiators with integrated valves to the piping (one and two pipe systems) use HERZ-3000-bypass bodies with shutoff and draining function or straight and angle model single shutoff valves with presetting and draining function. These components permit any mode of installation.

For more information consult the HERZ-3000 data sheet.

Adjustments for limiting and locking the set temperature range

Limitations

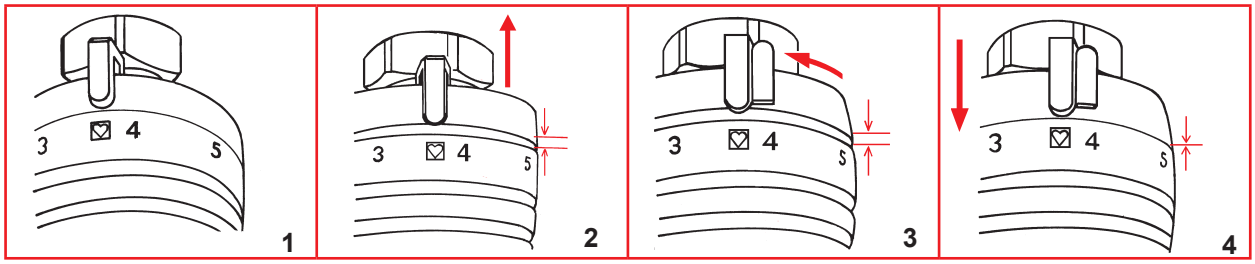
Personal comfort point adjustment

By changing the position of the click-in limiting pin ring the personal comfort point can be adjusted to a maximum or a minimum limit. The thermostatic heads are delivered with the full temperature range available.

Procedure

- Turn handwheel to the desired position. (fig. 1)
- Release limiting pin ring in the direction of the valve (one notch) and turn in such a way that the limiting pin is positioned to the left (lower limit) or to the right (upper limit) of the pointer. (fig. 2, 3)
- Snap the set stop ring back on. (fig. 4)
- Depending on the adjustment, the thermostatic head can now be turned up to the desired position or from there to the maximum position.

This comfort point can be changed or cancelled at any time.
The pre-setting by the manufacturer is shown by a point mark and corresponds to the complete temperature range.



Hidden limitation and blocking

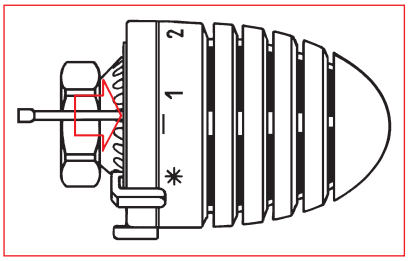
By setting one or two plug-in limiting pins, the range of rotation can be limited or blocked, which cannot be seen or manipulated by unauthorized persons.

The limiting pins are available as accessories. Order № 1 **9551** 00.

Procedure

On the underside of the thermostatic head, a circle of holes is provided in the base part to accommodate the limiting pins.

- Set the hand wheel of the thermostatic head to the desired position for limiting or blocking.
- Between positions “ ❊ ” and “1” of the hand wheel scale there is a crossline which marks the point where the limiting pins are to be placed. The procedure is basically the same as for “Limitations” (see above).
- Lower limit:
  Insert pin in the hole aligning with the left end of the line.
- Upper limit:
  Insert pin in the hole aligning with the right end to the line.
- Bocking on a setting:
  Put a pin on the left and one on the right end of the line.
- The limiting pins are to be inserted up to the stop (thickening). They can be removed again with a suitable tool (flat nose pliers, etc.).



Disposal

The disposal of HERZ thermostatic head must not endanger the health or the enviroment. Local and currently valid legislation must be observed for disposal.

Brass

Pursuant to Article 33 of the REACH Regulation (EC No. 1907/2006), we are obliged to point out that the material lead is listed on the SVHC list and that all brass components manufactured in our products exceed 0.1% (w / w) lead (CAS: 7439-92-1 / EINECS: 231-100-4). Since lead is a component part of an alloy, actual exposure is not possible and therefore no additional information on safe use is necessary.