

# HERZ-Thermostat

## MINI Thermostatic head with liquid sensor

Data sheet for 9200 MINI, Issue 0618

### HERZ Thermostatic Head



**011**  
EN 215  
Checked and registered

Certified products:  
1 9200 30  
1 9200 60

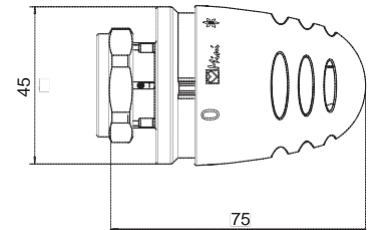
MINI-GS



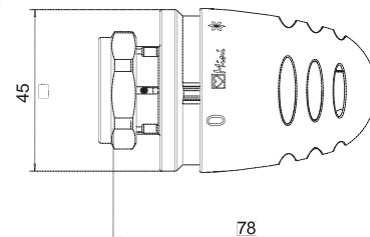
MINI-Turbo



MINI-Classic



9200



9200 H

### Versions

1 9200 30	M 28 x 1,5	Zero position	White	Classic
1 9200 13	M 28 x 1,5	Zero position	White	Turbo
1 9200 03	M 28 x 1,5	Zero position	White	GS
1 9200 60	M 28 x 1,5	Frost protection	White	Classic
1 9200 16	M 28 x 1,5	Frost protection	White	Turbo
1 9200 06	M 28 x 1,5	Frost protection	White	GS
1 9200 41	M 28 x 1,5		chrom	GS
1 9200 42	M 28 x 1,5		chrom	Turbo
1 9200 38	M 30 x 1,5	Zero position	White	Classic
1 9200 93	M 30 x 1,5	Zero position	White	Turbo
1 9200 83	M 30 x 1,5	Zero position	White	GS
1 9200 68	M 30 x 1,5	Frost protection	White	Classic
1 9200 96	M 30 x 1,5	Frost protection	White	Turbo
1 9200 86	M 30 x 1,5	Frost protection	White	GS
1 9200 48	M 30 x 1,5		chrom	GS
1 9200 43	M 30 x 1,5		chrom	Turbo
1 9200 69	MMA		White	GS

**Zero position** Radiator thermostat with liquid sensor (hydro sensor) with position "0", frost protection and limitation and locking of the set point range.

**Frost protection** Radiator thermostat with liquid sensor (hydro sensor) with automatic frost protection and limitation and locking of the set point range.

### Operating data

Set point range      Zero position      6-30 °C  
    Frost protection      6-28 °C  
 Frost protection at                              6 °C

The HERZ thermostat is maintenance-free

**Manufacturer's data**

Article number	Hysteresis at nominal flow	Differential pressure influence	Closing time in min	Water (heating medium) - temperature influence
1 9200 30	0.7	0.7	15	1.2
1 9200 60	0.7	0.5	15	1.2

**Application**

For mounting on valves that are designed for thermostatic operation. Article numbers, dimensions and delivery form of the HERZ valves can be found in the respective product standard sheets.

**Functionality**

The HERZ thermostat serves as a sensing and control element. The volumetric change of the liquid filling in the HERZ hydrosensor moves the thrust spindle of the valve.

**Adjustment hand wheel scale**

Comparing the following scale markings to the display will indicate the approximate temperature values that can be achieved in the room, with deviations of a few degrees of temperature (k) being possible depending on the type of system and installation.

Marking	*	1	2	3	4	5	max.
°C	6	12	16	20	24	28	30

**Comfort setting „3“**



The comfort setting "3" corresponds approximately to a room temperature of 20°C and represents an optimum of comfort, energy saving and heating comfort.

**Frost protection \***

When set to \*, the valve automatically opens at approx. 6 ° C ambient temperature and prevents the system from freezing.

**Shut off zero position**

When set to "0", the thermostatic valve is shut off and the frost protection is disabled.

**Summer setting**

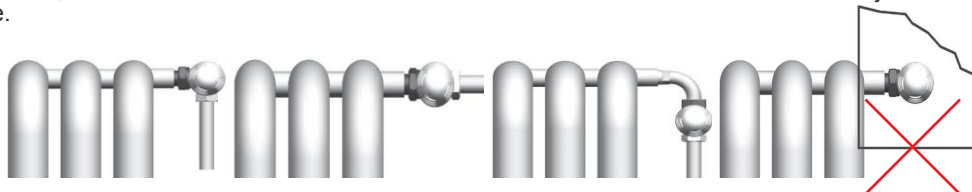
After the end of the heating period, open the thermostats by turning them anticlockwise to prevent the accumulation of dirt particles on the valve seat.

**Theft protection**

For theft protection, a clip 1 9552 03 is available, which is mounted on the mounting nut.

**Installation**

The HERZ-thermostatic head should not be subjected to direct sunlight or heat radiating devices (e.g. TV). The thermostatic heads can only sense and adjust correctly if the air ways to the integrated sensor are clear and not affected by anything covering the thermostatic head or the whole radiator e.g. if the radiator is covered by panelling or heavy curtains, heat will accumulate and the thermostat is therefore unable to sense and adjust to the room temperature.



### ☑ Equipment

- 1 **6640** 00 HERZ Theft protection tool
- 1 **6807** 90 HERZ TS 90 Assembly key
- 1 **9551** 02 Limiting pins for limiting and locking
- 1 **9552** 03 M 28 x 1,5; Theft protection (snap clips)), open with tool 1 **6640** 00
- 1 **9552** 98 M 30 x 1,5; Theft protection (snap clips)), open with tool 1 **6640** 00
- 1 **6329** 30 Brass cap
- 1 **9102** 80 Hand wheel
- 1 **9596** 44 M 28 x 1,5; Cover sleeve for thermostat fastening nut
- 1 **9597** 44 M 30 x 1,5; Cover sleeve for thermostat fastening nut H

### Montage

1. Unscrew the screw cap or manual drive from the lower part of the thermostatic valve
2. Position the thermostat in the "completely open" position (factory setting) on the valve body so that the anti-rotation lock engages and the display is clearly visible.
3. Screw on the union nut and tighten moderately (key SW 30 "H" SW 32).
4. Check operation by turning the handwheel (for example, the handwheel is in the 3-position setting).

### Concealed limiting or locking

Setting one or two plug-in limiting pins permits to limit or lock the turning range in such a way that it is invisible to and unchangeable by any unauthorised person. The limiting pins are available as accessories, Set Art. Nr. 1 **9551** 02

### ☑ Procedure

The base at the lower side of the thermostatic head is equipped with a hole circle for the limiting pins.

Set the hand wheel of the thermostatic head to the desired limiting or locking position;

Between positions "2" and "3" on the hand wheel scale there is a crossline which marks the points where the limiting pins are to be set.

#### (Pic 1)

##### Lower Limit:

Insert pin in the hole aligning with the right end of the line.

#### (Pic 2)

##### Upper Limit:

Insert pin in the hole aligning with the left end of the line.

#### (Pic3)

##### Blocking at one Setting:

Set one pin at each end of the line..

#### (Pic 4)

The limiting pins must be inserted up to the stop (enlargement). They can be removed with an appropriate tool (flat pliers etc)

Pic 1



Pic 2



Pic 3



Pic 4

