

## HOT WATER BOILER TSR-HWB 9 - SITE FLOOR HEATING EXCHANGER, 250 M<sup>2</sup>

**Hot water boiler TSR-HWB 9** is a compact electric floor heating exchanger for temporary heating of a concrete slab. One unit heats up to 250 m<sup>2</sup> of floor area, and the flow temperature is adjusted steplessly between 0 and 50 °C.

- Rated output 9 kW, adjustment range 500-9000 W
- Voltage 400 V
- Temperature control 0-50 °C
- Heated floor area up to 250 m<sup>2</sup>
- 4 l expansion vessel, tested to 4 bar
- Manifold with safety valve, pressure gauge, filling tap and air vent
- Pipe connections 2 or 4 × R25, centre distance 300 mm
- Dimensions 150 × 150 × 445 mm, wall brackets included



SKU: 801030011

### TECHNICAL ATTRIBUTES

|                         |            |                               |                         |
|-------------------------|------------|-------------------------------|-------------------------|
| <b>Nimellisteho</b>     | 9 kW       | <b>Lämmitettävä pinta-ala</b> | jopa 250 m <sup>2</sup> |
| <b>Tehon säätöalue</b>  | 500-9000 W | <b>Paisuntasäiliö</b>         | 4 l                     |
| <b>Voltage</b>          | 400 V      | <b>Koepaine</b>               | 4 bar                   |
| <b>Lämpötilan säätö</b> | 0-50 °C    | <b>Putkiliitännät</b>         | 2 tai 4 x R25           |
|                         |            | <b>Measurements</b>           | 150 x 150 x 445 mm      |

## ADDITIONAL PRODUCT DESCRIPTION

**Hot water boiler TSR-HWB 9** is an electric floor heating exchanger that heats the circulating water of a hydronic underfloor heating system on a construction site. The rated output is 9 kW with an adjustment range of 500-9000 W. The flow temperature is set between 0 and 50 °C. One unit heats up to 250 square metres of floor area.

### Who is the Hot water boiler TSR-HWB 9 for?

The unit is intended for temporary heating and drying of a concrete slab on a site where the permanent heating system is not yet connected.

It also serves as a construction-phase boiler in new builds, in renovation and extension projects, and as a backup boiler while the main boiler is being serviced. The same unit suits garages, holiday homes, animal shelters and industrial premises.

As a supplementary heat source it tops up a heat pump during the coldest spells.

### Hot water boiler TSR-HWB 9 in concrete drying

The drying of a concrete slab determines when the floor can be surfaced, and surfacing determines the handover. When the slab is heated from below through hydronic underfloor heating, the drying proceeds evenly across the whole area.

The flow temperature is set between 0 and 50 °C to match the work stage, so the slab is not heated too fast or too hot.

Finland's national energy agency [Motiva](#) publishes background on moisture control and energy efficiency in construction.



## Hot water boiler TSR-HWB 9 arrives ready to connect

Everything needed is fitted at the factory: an electronic circulation pump, a 4-litre expansion vessel and a manifold with a safety valve, a pressure gauge, a filling tap and an air vent.

The heating element is built from pressure-equipment tubing and pressure-tested to 4 bar of working pressure. The enclosure is white sheet steel.

No separate components need to be sourced or assembled on site – the unit is connected to the pipework and the power supply and it is ready to run.

## Hot water boiler TSR-HWB 9 - technical data

|                         |            |
|-------------------------|------------|
| Rated output            | 9 kW       |
| Output adjustment range | 500-9000 W |

|                                   |                                                     |
|-----------------------------------|-----------------------------------------------------|
| Voltage                           | 400 V                                               |
| Temperature control               | 0-50 °C                                             |
| Heated floor area                 | up to 250 m <sup>2</sup>                            |
| Expansion vessel                  | 4 litres                                            |
| Test pressure                     | 4 bar                                               |
| Circulation pump                  | Electronic, compliant with EU directives            |
| Manifold                          | Safety valve, pressure gauge, filling tap, air vent |
| Pipe connections                  | 2 or 4 × R25 internal thread                        |
| Element connection                | 1 × R50 internal thread                             |
| Centre distance, pipe connections | 300 mm                                              |
| Insulation                        | 30 mm pipe insulation                               |
| Element enclosure                 | White sheet steel                                   |
| Dimensions (without element)      | 150 × 150 × 445 mm                                  |
| Installation                      | Wall mounted, brackets or steel plates included     |
| Product number (MPN)              | 801030011                                           |



**Add the product to your quote cart** and ask for a quote – we will confirm availability and delivery time at the same time.

## Wall mounted, no fixed structures needed

The Hot water boiler TSR-HWB 9 is mounted on a wall with the brackets or steel plates supplied with it. The mounting plate has a carrying slot, so the unit is easy to move from one site to the next.

The pipe connections are R25 internal threads at a centre distance of 300 mm, so they mate with standard components. Two or four connections are available, depending on how many circuits are connected.

The compact 150 × 150 × 445 mm body fits a cramped plant room as well.



## Where the Hot water boiler TSR-HWB 9 is used

Typical applications:

- hydronic underfloor heating on site
- drying a cast foundation or concrete slab
- construction-phase boiler in a new build
- renovation and extension projects
- detached houses, holiday homes, cabins and garages
- animal shelters and industrial premises
- supplementary heat for a heat pump
- backup boiler while the main boiler is serviced

## Which model: TSR-HWB 9 or TSR-HWB 6/9?

Both share the same body, the same pipework and the same dimensions. The difference is the heating element.

**TSR-HWB 9** has a fixed 9 kilowatt element. It is the straightforward choice when the site's demand is known and the supply carries full output.

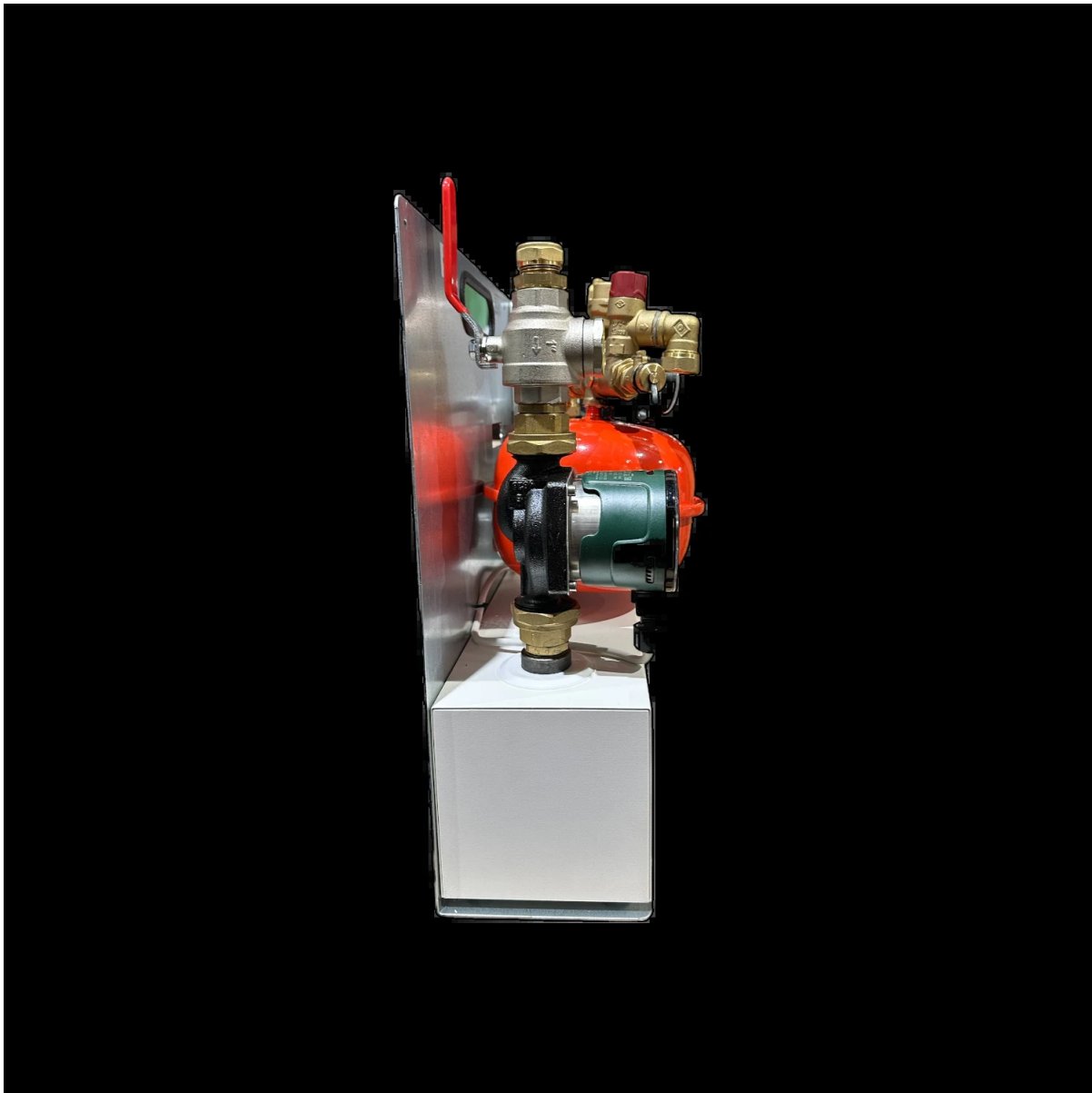
**TSR-HWB 6/9** has a two-step element, selectable at 6 or 9 kilowatts. It suits sites with a limited supply, or a unit that moves between projects of different sizes. See the [two-step 6/9 kW model](#).

## Choosing the right heating solution

This unit heats the circulating water of the floor circuit, so the heat comes from under the slab. It suits sites where the underfloor heating pipework is already installed.

If you need warm air for a large space, look at the [TSR V-Heat 400 kW mobile heat exchanger](#). The full hydronic range is on the [hydronic heating page](#).

On larger sites several units run in parallel, and the heated area grows accordingly.



## Frequently asked questions

### How large an area does the Hot water boiler TSR-HWB 9 heat?

One unit heats up to 250 m<sup>2</sup> of floor area. On larger sites several units are used in parallel.

### What is the output and voltage?

The rated output is 9 kW with an adjustment range of 500–9000 W. The voltage is 400 V.

### How hot does the flow water get?

The flow temperature is adjusted steplessly between 0 and 50 °C.

### What is the difference between the TSR-HWB 9 and TSR-HWB 6/9?

The body, the pipework and the dimensions are the same. The difference is the heating element: see the [two-step 6/9 kW model](#).

### What comes fitted as standard?

An electronic circulation pump, a 4-litre expansion vessel and a manifold with a safety valve, a pressure gauge, a filling tap and an air vent. The element is pressure-tested to 4 bar.

### What pipe connections does it have?

Two or alternatively four R25 internal threads at a centre distance of 300 mm. The heating element has its own R50 internal thread.

### How is the unit installed?

On a wall, with the brackets or steel plates supplied. The mounting plate has a carrying slot for moving it.

### What is the product number (MPN)?

The product number, or MPN, is 801030011.

## Request a quote for the Hot water boiler TSR-HWB 9

**Add the Hot water boiler TSR-HWB 9 to your quote cart** and send the request – we answer quickly. You can collect several products in one cart. The rest of our site heating equipment is on the [heating page](#). If you want to ask something first, open the chat in the bottom right corner.



## OTHER PRODUCT IMAGES

