



# Surface temperature regulation system

## The new Unibox

Your customers see 6 mm of elegant genuine glass.  
You see a 100% flexible system.



A beautiful  
genuine  
glass product

#### YOUR BENEFITS AT A GLANCE:

- + **Compatible** with Oventrop surface heating systems
- + **High-quality** genuine glass cover
- + Optional **wireless control** via R-Tronic wireless thermostat
- + Cover with **tolerance compensation** for optimum positioning
- + Cover of **exclusive** pre-installed versions can be retrofitted



## Truly eye-catching style

### A PRO FOR BATHROOM DESIGN:

Our new **Unibox** with a genuine glass cover, crafted in a high-quality design and available in different colours and styles, is a *real eye-catching piece* for your customers.

### A PRO DURING INSTALLATION:

Our surface heating system **Unibox** and additional modular solutions for room temperature control allow you to renovate bathrooms *quickly and easily*.

Our system allows the **Unibox** to control room temperature using a thermostatic valve, regulation of the surface temperature using a return temperature limiter or a combination of both. It's totally *flexible* and can be adapted to suit every requirement.

The *genuine glass cover* which comes in black or white is not only *elegant*, it's also *functional*: It is easy to swap out the cover on exclusive pre-installed versions to give current installations a modern look. The cover's clever design allows for the compensation of tolerances when installing the **Unibox** for enhanced aesthetics.



### EVEN MORE COMFORT FOR YOUR CUSTOMERS

The optional wireless control via the **R-Tronic** wireless thermostat allows your customers to conveniently control the room temperature. Individually *adjustable time profiles* allow for the *optimisation of energy requirements*. In addition, the **R-Tronic** wireless thermostat delivers useful information on ambient air quality.

This allows the **R-Tronic** to help your customers improve efficiency and *room climate*, while reducing *energy consumption*.



# The new Unibox

## Flexible, of high quality, sustainable



### UNIBOX RTL

Dimensions: 155 x 155 x 6 mm |  
Item no. 1022750/51

Features a return temperature limiter to limit the return temperature of heated surfaces.

Nominal value range:  
10-50 °C (return temperature)

### UNIBOX E RTL

Dimensions: 155 x 155 x 6 mm |  
Item no. 1022760/61

Features an (internal) return temperature limiter to limit the return temperature of heated surfaces.

Nominal value range:  
20-40 °C (return temperature)

### UNIBOX T-RTL

Dimensions: 155 x 210 x 6 mm |  
Item no. 1022770/71

Features a thermostatic valve for room temperature control and a return temperature limiter to limit the return temperature of heated surfaces.

Nominal value range:  
7-28 °C (room temperature)  
20-40 °C (return temperature)

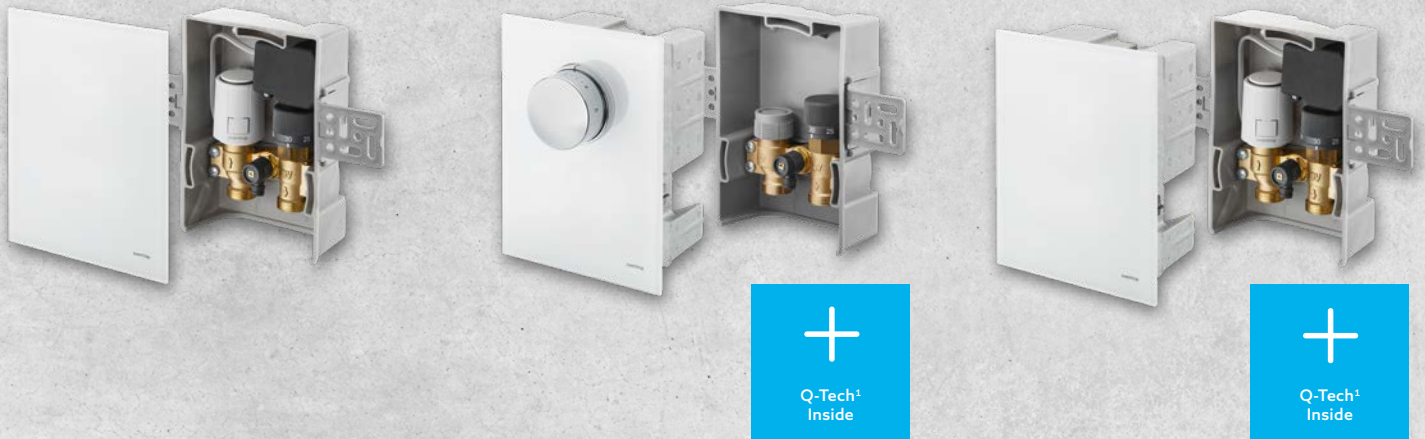
## Models:

| Model/item no.         | Cover genuine glass, white | Cover genuine glass, black | Operation: fixed sensor Thermostat | Operation: sensor and remote control | External thermostat Chrome plated | External thermostat Dark chrome |
|------------------------|----------------------------|----------------------------|------------------------------------|--------------------------------------|-----------------------------------|---------------------------------|
| Unibox RTL 1022750     | ●                          | —                          | ●                                  | —                                    | ●                                 | —                               |
|                        | —                          | ●                          | ●                                  | —                                    | —                                 | ●                               |
| Unibox E RTL 1022760   | ●                          | —                          | ●                                  | —                                    | —                                 | —                               |
|                        | —                          | ●                          | ●                                  | —                                    | —                                 | —                               |
| Unibox T-RTL 1022770   | ●                          | —                          | ●                                  | —                                    | ●                                 | —                               |
|                        | —                          | ●                          | ●                                  | —                                    | —                                 | ●                               |
| Unibox T-RTL R-Tronic  |                            |                            |                                    |                                      |                                   |                                 |
| 1022772                | ●                          | —                          | —                                  | ●                                    | —                                 | —                               |
| Unibox TQ- RTL 1022780 | ●                          | —                          | ●                                  | —                                    | ●                                 | —                               |
|                        | —                          | ●                          | ●                                  | —                                    | —                                 | ●                               |
| Unibox TQ-RTL R-Tronic |                            |                            |                                    |                                      |                                   |                                 |
| 1022738                | ●                          | —                          | —                                  | ●                                    | —                                 | —                               |

● applicable — not available

# Surface temperature regulation system

## Room temperature control and return temperature limitation



### UNIBOX T-RTL R-TRONIC

Dimensions: 155 x 210 x 6 mm |  
Item no. 1022772

Features a thermostatic valve for room temperature control and a return temperature limiter to limit the return temperature of heated surfaces, with a pre-installed **Aktor T 2P** electrothermal actuator and **R-Con FBH** wireless receiver.

Nominal value range:  
20-40 °C (return temperature)  
Room temperature: depends on the controller used

### UNIBOX TQ-RTL

Dimensions: 155 x 210 x 6 mm |  
Item no. 1022780/81

For room temperature control with a **Q-Tech¹** thermostatic valve and return temperature limiter to limit the return temperature of heated surfaces.

Nominal value range:  
7-28 °C (room temperature)  
20-40 °C (return temperature)

### UNIBOX TQ-RTL R-TRONIC

Dimensions: 155 x 210 x 6 mm |  
Item no. 1022738

For room temperature control with **Q-Tech¹** thermostatic valve and return temperature limiter to limit the return temperature of heated surfaces, with pre-installed **Aktor T 2P** electrothermal actuator and **R-Con FBH** wireless receiver.

Nominal value range:  
20-40 °C (return temperature)  
Room temperature: depends on the controller used

## UNIBOX SURFACE TEMPERATURE REGULATION SYSTEM

### *Recommended application:*

Rooms or heated surfaces up to 20 m<sup>2</sup> or heating circuits with a pipe length up to 100 m (with an inner diameter of approx. 12 mm).

### *Heating*

Apply standard heating screed after plastering.  
Concrete and calcium sulphate screeds must be heated according to DIN EN 16264-4.

### *Commissioning*

The recommended control range for the return temperature limiter is between 25 °C and 40 °C.  
The specifications of the screed manufacturer must be observed. The maximum permissible screed temperature near the heating pipes according to DIN must not be exceeded.



<sup>1</sup> Q-Tech thermostatic valve allows for automatic hydronic balancing



## Want to renovate the surface heating in an existing building?

Our system makes it easy.

### **FLEXIBLE, OF HIGH QUALITY, SUSTAINABLE**

The Unibox is part of our intelligent system for surface heating and cooling.

From base mats to multi-layer composite pipes and optional wireless controllers, our solutions are **fully coordinated** and available in different designs.

The modular Oventrop Cofloor surface heating system is flexible and customisable to suit your individual needs. Not only is the installation of surface heating and cooling systems easy as a result, but it is also completely reliable. Each **quality component is durable** and part of an **intelligent, holistic system**.

### **UNIBOX SURFACE TEMPERATURE REGULATION IN AN EXISTING BUILDING**

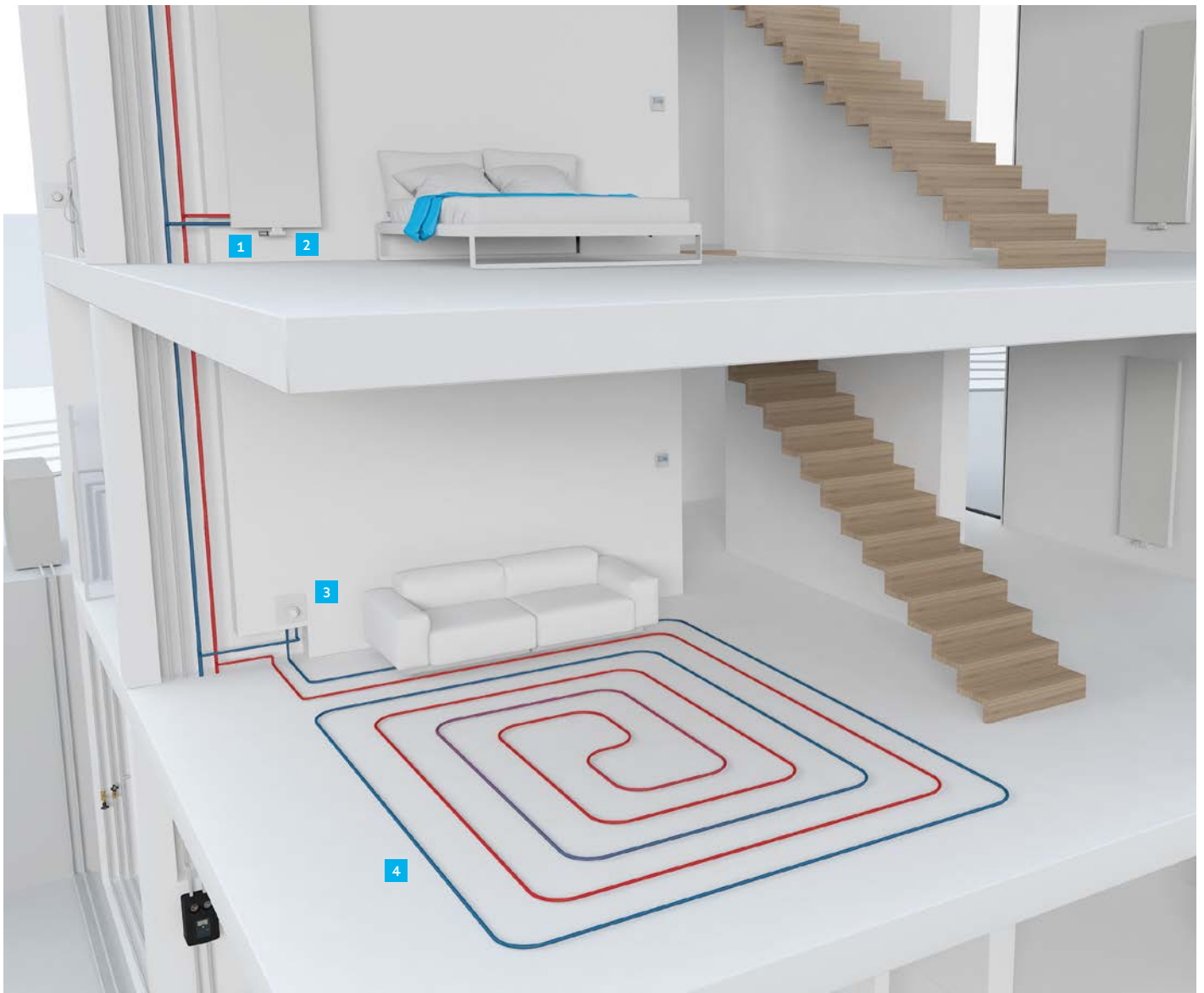
The Unibox is integrated when renovating an existing central heating system with radiators. A built-in return temperature limiter prevents excess temperatures in the screed.

The Unibox gives floors a balanced temperature, making bathrooms much more cosy. The heat load is still transmitted by a radiator.



## Example: Cofloor surface heating system with Unibox T-RTL

Room temperature control and return temperature limitation



- 1 Uni SH thermostat
- 2 Multiblock T fitting
- 3 Unibox T-RTL room temperature control and return temperature limitation
- 4 Copipe HSC multi-layer composite pipe



Room climate



Hydronics



Stations,  
Storage cylinders



Potable water



Oil, Solar



Smart Home,  
Smart Building

Oventrop is the partner for efficient heating, cooling and clean potable water. The modular systems and services offer pioneering solutions which all HVAC experts use to work with – easily and flexibly – from planning to installation, from industry to trade. As a family business, Oventrop accompanies all its partners over many years – competently and personally.