Surface temperature regulation system

The new Unibox

oventrop

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**	●	—	●	—	●	—
	1022751	—	●	●	—	—	●
Unibox E RTL	**1022760**	●	—	●	—	—	—
	1022761	—	●	●	—	—	—
Unibox T-RTL	**1022770**	●	—	●	—	●	—
	1022771	—	●	●	—	—	●
Unibox T-RTL R-Tronic							
	1022772	●	—	—	●	—	—
Unibox TQ- RTL	**1022780**	●	—	●	—	●	—
	1022781	—	●	●	—	—	●
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-Tech**[1] 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-Tech**[1] 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 m² 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.

1 **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.

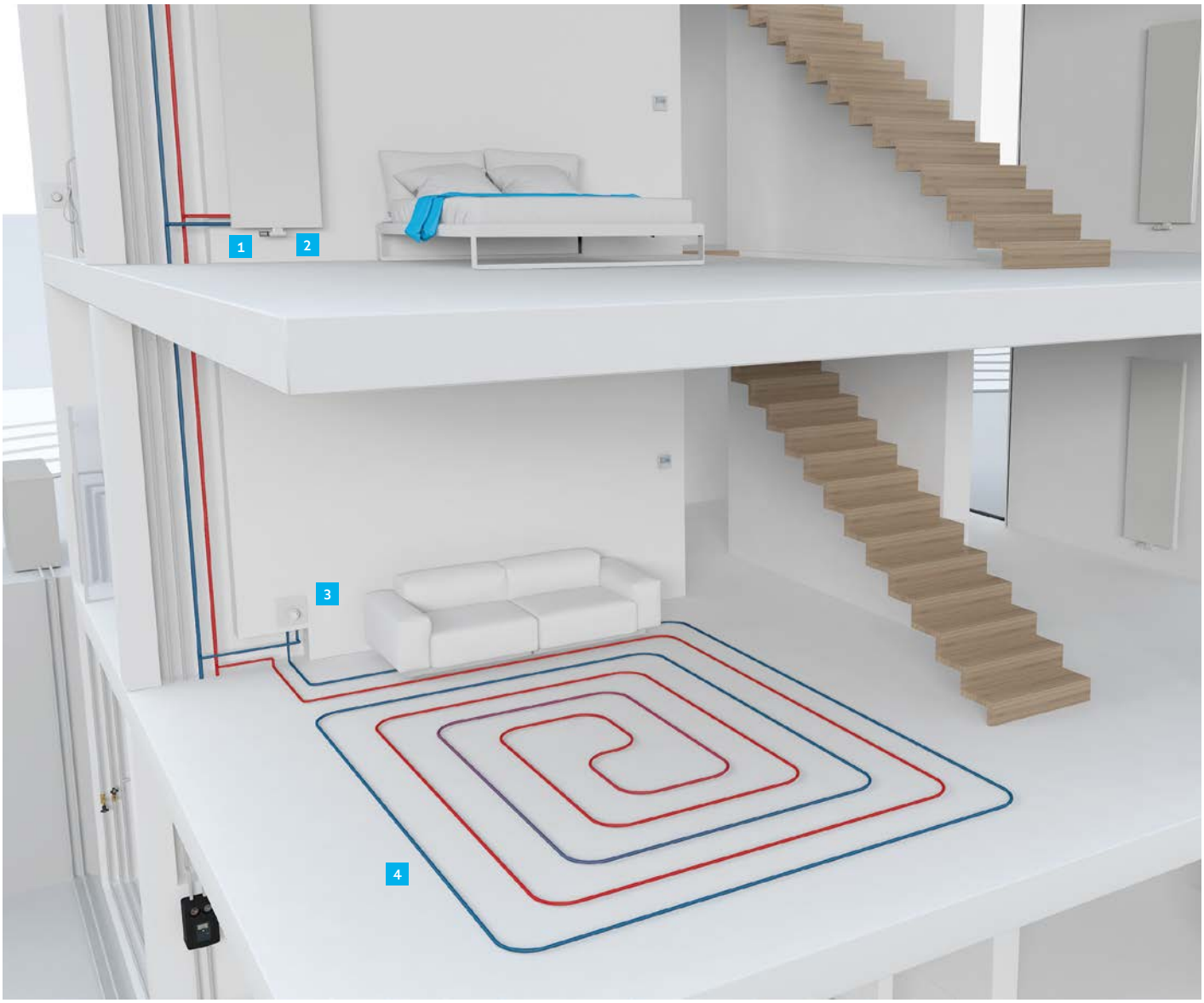
The modular Oventrop **Cofloor surface heating system** is flexible and customisable to suit your individual needs. Not only is the installation of surface heating and cooling systems easy as a result, but it is also completely reliable. Each ***quality component is durable*** and part of an ***intelligent,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

348_EN_2021_03
Subject to technical changes.

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.

oventrop
Wir regeln das. Seit 1851.

Oventrop GmbH & Co. KG · Paul-Oventrop-Str. 1 · 59939 Olsberg, Germany
Phone: +49 2962 820 · Fax: +49 2962 82400 · mail@oventrop.com · www.oventrop.com