

oventrop

Room climate

Unibox room temperature control
and return temperature limitation



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

The highlight in the bathroom: our new high-quality Unibox with genuine glass cover, available in various colours and designs offers you customers tangible quality. The highlight during installation: with the Unibox, our surface heating systems and additional modular solutions for room temperature control, you can quickly and easily renovate bathrooms.

The Unibox system enables room temperature control with a thermostatic valve, surface temperature regulation with a return temperature limiter or a combination of both – flexibly and according to the requirements.

The genuine glass cover in white or black is not only elegant, but functional as well: it is easy to swap out the cover on pre-installed exclusive versions, thereby giving installations an upgraded look. The special design of the cover allows to compensate for tolerances when installing the Unibox.

Do your customers want more comfort?

The wireless control with optional wireless thermostat R-Tronic enables your customer to conveniently control the room temperature. Individually adjustable time profiles allow for an optimization of the energy demand. The R-Tronic also supplies targeted information on the ambient air quality.

The R-Tronic therefore helps your customer to improve the room climate and to reduce the energy consumption.



Advantages



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





2019 GOLD WINNER
**EUROPEAN
PRODUCT
DESIGN
AWARD**
www.productdesignaward.eu

Sophisticated genuine glass design



The new, high-quality genuine glass cover in white or black makes the **Unibox** a real eye-catcher.

Do you want to install an underfloor heating in an existing building? Our system makes it easy.

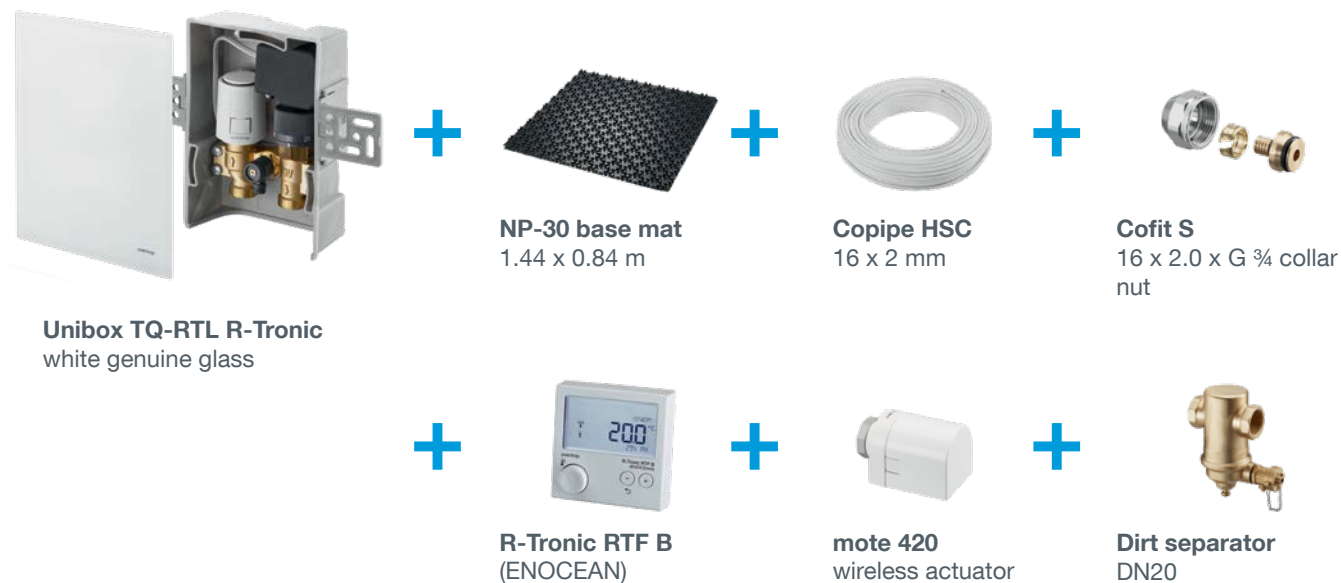
Flexible, of high-quality and sustainable: the Unibox is part of our intelligent system for surface heating and cooling.

From the base mats through the composition pipes to the optional wireless control – all of our product solutions are perfectly matched to each other and are available in various designs.

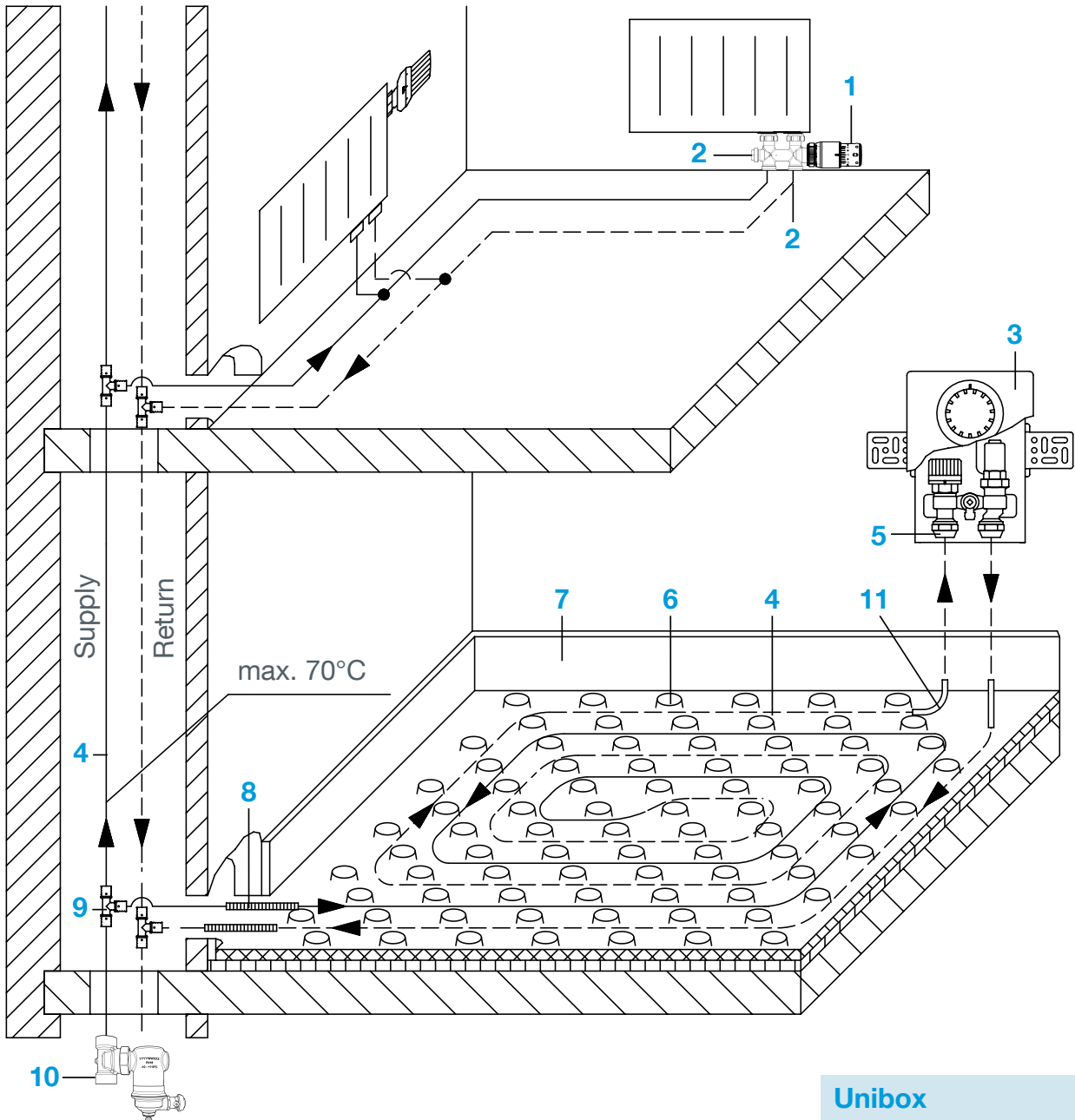
The modular Oventrop **Cofloor surface heating system** allows for flexibility according to your requirements. This makes the installation of surface heating and cooling systems not only easy, but also absolutely reliable – all components are of high-quality, long-lasting and their interaction is well thought out.



Example: bathroom renovation with underfloor heating



Cofloor surface heating with the Unibox T-RTL room temperature control



Consisting of the following Oventrop components:

- | | |
|-------------------------|-------------------------|
| 1 Uni SH | 8 Protective tube, slit |
| 2 Multiblock T | 9 Cofit P press T-piece |
| 3 Unibox T-RTL | 10 Dirt separator |
| 4 Copipe HSC | 11 Pipe guiding elbow |
| 5 Cofit S | |
| 6 NP-30 base mat | |
| 7 Edge insulating strip | |

Unibox Surface temperature regulation

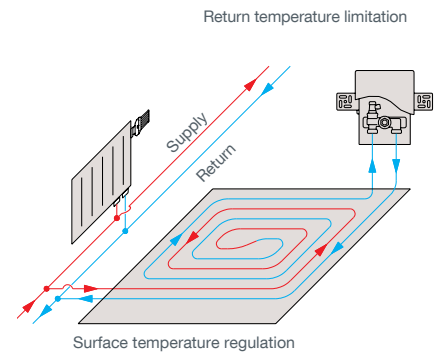
The Unibox is used when renovating an existing radiator heating system. Excessive temperatures in the screed are avoided by the integrated return temperature limiter.

The balanced floor temperature which is reached with the help of the Unibox noticeably increases the comfort in the bathroom. The heat load is still transmitted by a radiator.

Unibox RTL

For return temperature limitation of heated surfaces with return temperature limiter

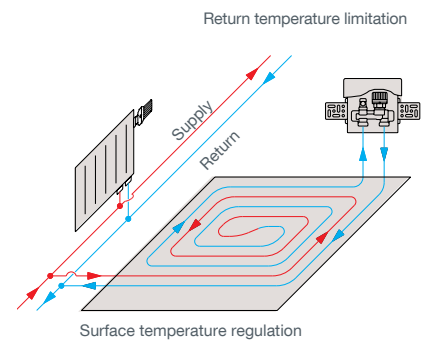
Temperature range:
10–50°C (return temperature)



Unibox E RTL

For return temperature limitation of heated surfaces with return temperature limiter

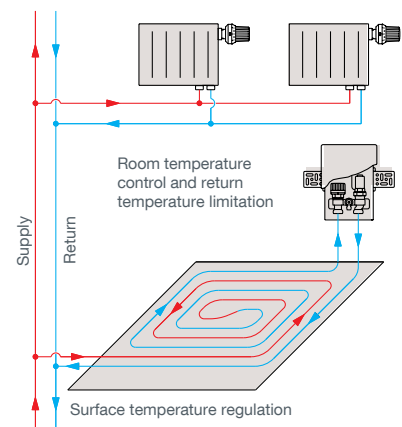
Temperature range:
20–40°C (return temperature)



Unibox T-RTL

For room temperature control with thermostatic valve and for return temperature limitation of heated surfaces with return temperature limiter

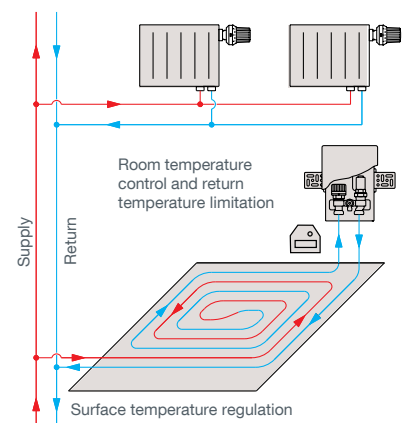
Temperature range:
7–28°C (room temperature)
20–40°C (return temperature)



Unibox T-RTL R-Tronic

For room temperature control and return temperature limitation of heated surfaces with return temperature limiter, pre-installed electrothermal actuator and R-Con wireless receiver

Temperature range:
8–30°C (room temperature) R-Tronic
20–40°C (return temperature)





Unibox TQ-RTL R-Tronic for automatic hydronic balancing

For room temperature control and return temperature limitation of heated surfaces with return temperature limiter, pre-installed electrothermal actuator and wireless receiver R-Con

Temperature range:
8–30°C (room temperature)
20–40°C (return temperature)



Unibox TQ-RTL for automatic hydronic balancing

For room temperature control with thermostatic valve and return temperature limitation of heated surfaces with return temperature limiter

Temperature range:
7–28°C (room temperature)
20–40°C (return temperature)

Unibox models and information

Unibox models	Cover			Visible thermostat			Item no.
	Plastic, white	Genuine glass, white	Genuine glass, black	white	chrome plated	dark chrome	
Unibox RTL	X			X			1022735
		X			X		1022750
			X			X	1022751
Unibox E RTL	X						1022731
		X					1022760
			X				1022761
Unibox T-RTL	X			X			1022733
		X			X		1022770
			X			X	1022771
Unibox TQ-RTL	X			X			1022739
		X			X		1022780
			X			X	1022781
Unibox T-RTL R-Tronic	X						1022737
		X					1022772
Unibox TQ-RTL R-Tronic	X						1022738
		X					1022782
Unibox T-RTL vario Unibox TQ-RTL vario	no cover						1022734
							1022736
Cover for Unibox vario	X	X					1022776
					closed cover		1022774
			X				1022775

Recommended application:

- Rooms or heated surfaces up to 20 m²
- Heating circuit with a pipe length up to 100 m (with an interior diameter of approx. 12 mm)

Heating:

Apply standard heating screed after plastering. Concrete and calcium sulphate screeds must be heated according to DIN EN 1264-4.

Commissioning:

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

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Room climate

Hydronics

Stations
Storage
cylinders
Pipes

Potable water

Oil
Solar

Smart home
Smart building

Subject to technical changes.
Products are available to private
users from the installer.

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