

# Roth RTL valve

– the most energy efficient UFH solution for renovation of smaller rooms



- › For renovation of smaller single rooms
- › Flow and temperature control on UFH circuits
- › Energy efficient and inexpensive solution

## Energy efficient and low cost UFH solution

When renovating single rooms, such as bathrooms, utility rooms, conservatories, annexes, waterborne underfloor heating is often opted out as it can be both a complicated and expensive solution. Using Roth RTL valves as flow and temperature control on underfloor heating circuits is far more energy efficient and a much cheaper alternative to electric underfloor heating solutions.

In addition to that a Roth RTL valve solution is less expensive than a traditional single room waterborne installation with shunt, room temperature control system, etc.

The Roth RTL valve is mounted on the return of the underfloor heating circuit, where it measures the medium temperature and regulates the flow to the set temperature between 10°C and 50°C.

Alternative to control according to the medium temperature are Roth RTL valves regulating according to room temperature. Roth offers two solutions; one with the thermostat mounted with or without capillary sensor on the Roth RTL valve housing, hence no power is required. Or a wired or wireless room thermostat.

The solution can be mounted on an already existing radiator/heating system.

An easy, fast and economical solution for both you as an installer and your customers.

### One supplier for the entire UFH solution

Roth develops, manufactures and markets complete underfloor heating systems of high and uniform quality. When using a complete Roth under floor heating solution in combination with the Roth RTL valve, you can be sure that everything fits together while the solution is tested and approved as a single system. It provides you a faster work process and high-quality assurance.

The Roth RTL valve also meets all the requirements of the heating act, as the box without any problem can be mounted outside wet zone areas in even very small bathrooms.

In addition, the installation is made very easy and the result meets the demands in DS 452, e. g. demands for covering insulating of the installation as the packaging can be reused as a 100% covering insulation sheath. Hence, two birds are killed with one stone, as the insulation comes as standard and packaging disposal is significantly reduced for the benefit of both wallet and environment.

### Technical Support - our experience is your safety

Roth skilled professionals provide sparring and counselling all the way through a project - both with the practical tasks and the regulatory challenges you may encounter in your everyday life. We supply drawings, bill of materials and proposals for dimensioning and installation, calculations and energy analyses in the following areas:

- › Roth underfloor heating systems
- › Roth MultiPex® Pipe System for DHW and heating Installations
- › Roth Roth Alu-LaserPlus® for DHW, cooling and heating installations
- › Roth SnowFlex® snowmelting system
- › Vortex pumps for domestic water installations

Discover more about the Roth RTL valve on our website [roth-uk.com](http://roth-uk.com) or by contacting your Roth sales representative.



Roth RTL valve, 10-50°C  
HVAC no. 7401966006



Roth RTL return valve  
(10-50°C.), thermostatic head  
HVAC no. 7401966106



Roth RTL valve capillary  
room sensor  
HVAC no. 7401966306



Roth RTL valve (10-50°C.)  
wireless room thermostat  
HVAC no. 7401966206