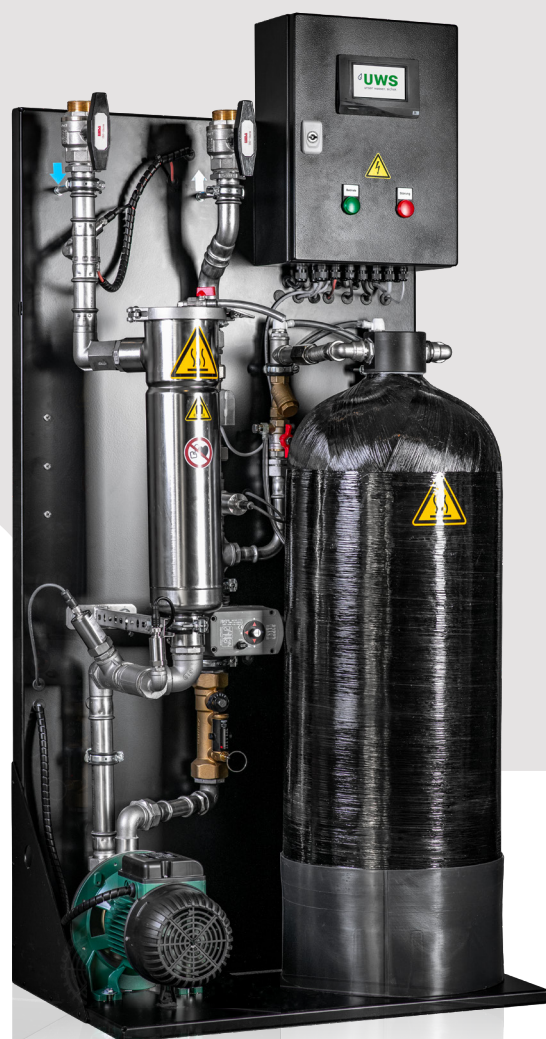


Heaty Racun Processing devices

100/300

100/300 Advanced

300 Advanced Plus



Heaty Racun series - Processing devices those who think along

The Heaty Racun series are complete devices for professional bypass treatment, permanent magnetite filtration and monitoring of the conductivity in the circulating water including automatic shutdown.

For residential complexes, office or commercial properties, systems of 200 kW or more, CHP plants, municipal utilities and large buffer storage facilities, SHK companies require larger processing equipment. The all-round carefree packages of the Racun series are ideal as a stationary system, especially for recurring pro-

blems with the heating or cooling water. Because these processing devices think for themselves. A Heaty Racun only needs to be connected at the place of use; it does the rest automatically.

The devices in the Racun series automatically fill, prepare and moni-

tor the quality of the heating water. As soon as the water quality corresponds to the set parameters, the devices switch off. If the water quality deteriorates again, the treatment systems will automatically switch back on.



Clean process water in large plants.

- ✓ Permanent and automated with the Heaty Racun from UWS Technology
- ✓ Immediate and permanent protection of the system
- ✓ Extends the service life of the system
- ✓ 10-15% savings in energy and costs
- ✓ Reduces the risk of system failures and disruptions

treatment of cooling and heating water

Our certified service employees provide comprehensive support to the SHK trade in the preparation of heating and cooling systems in accordance with standards – in new buildings, existing buildings, or for special requirements.

The advantages of the Heaty Racun series

The devices are installed in the heating plant(s) at the beginning of the treatment project and solve the problem of staggered installations. The connection was made very simply using two fill and drain valves and

flexible connection hoses. The objects can then be treated with the Heaty Racun both during the heating phase and in full load operation, thus ensuring compliance with the updated water quality requirements

according to VDI 2035 or 6044, Ö-NORM H 5195-5, SWKI BT 102-1.



Added value of the UWS Group in water treatment

Analysis, implementation and documentation on request from a single source

Compatible with all manufacturers and materials

Can of course also be integrated into the existing BMS

Compliance with the standards VDI 2035 & 6044, Ö-NORM H 5195-5 and SWKI BT 102-1

Reduces the risk of system failures and disruptions



Thanks to an intelligent control system, the treatment devices constantly monitor the conductivity and pH value in the building. When the target value reaches its standard size, the Heaty Racun automatically stops the treatment and goes into filtration mode.

A recurring reason for refusal of commissioning by the boiler manufacturer or external testing bodies such as DEKRA or TÜV during the handover of the object is the visually visible contamination of the water at the extraction points as well as the formation of magnetite, which is visible in the form of black sludge. A 1µm

fine filter built into the Heaty Racun removes these fine, non-magnetic solid particles. In a second step, a highly efficient magnetic flux filter cleans the smallest accumulations of magnetite. The result of these two components is crystal clear water.



Save trouble and money

Unnecessary costs for rework, withheld final payments for services rendered or delayed commissioning can be virtually eliminated in advance with the right processing technology.

mixed bed resin in continuous operation

If the capacity of the mixed bed resin Vadion pH-Control required for treatment is exhausted and needs to be replaced by the plumbing and heating specialist, there are various ways to transmit a message about the status. The system either reports

the capacity to the building management system or to the UWS service in order to replace the mixed bed resin on site. This ensures continuous monitoring and the maintenance of the desired values, even with larger water quantities.

You can also easily rent our mixed bed resin cartridges with a capacity of 23-63 kg. The cartridges include mixed bed resin and rinsing head. Our exchange service also saves you a lot of time when resin runs out.



your benefits

- ✓ Ideal for system sizes from 60 to 500 m³
- ✓ Time control and wake-up function
- ✓ Variable BMS connection
- ✓ Logging of operating data on SD memory card
- ✓ Differential pressure shutdown when the filter is dirty and the minimum flow rate is not reached



Flexible connection to the building management system

UWS Technologie can offer permanent monitoring via building management technology with all common systems. The specially developed software enables an individual solution depending on the

client's requirements. In order to continue to maintain a history of the object, all necessary data is recorded on the memory card over the entire period. This means that certain processes can be precisely iden-

tified with the corresponding time information even retrospectively. An important component for the craftsman when providing services to the client.

Our “smallest” model is the Heaty Racun 100.

It can treat 1,200 l of water per hour according to VDI2035. The conductivity is permanently monitored and the treatment and shutdown takes

place automatically. Of course including magnetic flux filter. The new Heaty Racun 100 Advanced has

Additionally, a fine filter is integrated that filters particles up to 1 µm in size.

The most powerful device is the Heaty Racun 300 Advanced Plus.

It can be connected to the BMS via CAN bus, Modbus-RTU or Modbus-TCP. It also reports used mixed bed resin and other para-

meters. Likewise, the recording of operating data and the control can be carried out in IoT mode.

A time control and wake-up function are also integrated.

Also worth knowing

The easy-to-use, large touch display allows convenient setting of all important parameters, including display of operating status. Limit values for leakage quantities and conductivity can be freely selected. The circulation capacity in bypass operation can be adjusted from 1,800 to 7,200 l/h. The Heaty Racun 300 Advanced Plus can be purchased or rented. Large-scale processing can also be booked as a service.

Rent or buy?

You can buy the Racun series, rent it or have us carry out the water treatment as a service. You can integrate it into the building management system in several ways.



Technical Overview	Heaty Racun 100	Heaty Racun 100 Advanced	Heaty Racun 300	Heaty Racun 300 Advanced	300 Advanced Plus
Connection to BMS and memory card	✓				
Max. filling capacity	1,200 l/h		3,000 l/h		
Circulation capacity in the bypass during magnetite separation and filtration	2,400 l/h			Adjustable from 1,800 to 7,200 l/h	
Circulation capacity in the bypass during treatment and filtration	750 l/h			2,400 l/h	
capacity at 420 µS/cm to <100 µS/cm	3.420 l		9.360 l		
Integrated magnetic flux filter		✓			
fine filter 1µm		✓			
Combined magnetite and fine filter 1µm					✓
differential pressure measurement					✓
Adjustable volume flow					✓
stainless steel centrifugal pump					✓
leak protection					✓
Modbus					✓

our water. safe.

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