

Heating Interface Unit Renova

Fast and efficient renovation of gas floor heating systems



❑ Overview

HERZ home stations are modern hydraulic transfer stations for supplying residential units with heating energy and for decentralised hot water preparation.

heating energy and for decentralised hot water preparation - in other words, the modern energy centre of a residential unit.

The Renova home station was specially designed for use as a replacement for wall-mounted gas boilers. The extremely small dimensions in combination with the option to connect the station from above with the supply pipes enable the smooth replacement of the gas space heating in the flat. The supply pipes can thus be installed in the former chimney, which can now be converted into an installation shaft. A standard connection sequence, based on typical gas boilers, further facilitates the replacement of the boiler. HERZ Renova transmits the heating energy directly to the existing radiator heating system and has a zone valve for convenient control of the flat heating via a room thermostat. All pipework in the station is insulated. HERZ Renova is supplied with a powder-coated cover in RAL 9016 and can thus be easily integrated into any installation situation.

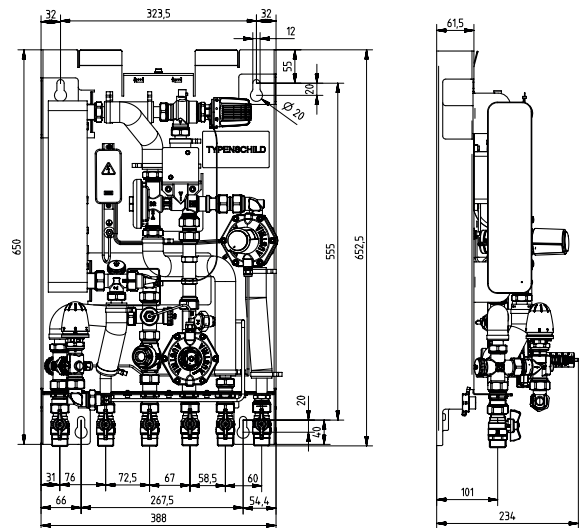
Hygienic hot water is produced instantly and only when needed directly in the living unit. A central or decentralised hot water storage central or decentralised hot water tank is no longer necessary with this system.

For this reason, there is also no need for a circulation pipe. This means that much less energy is wasted in storing and transporting hot water. At the same time, thanks to the extraordinarily high transfer capacity of the heat exchanger, the return temperature of the entire system is particularly low. A feature that works very well in combination with energy-efficient systems such as district or local heating, heat pumps or even condensing boiler technology.

HERZ HIUs thus make a significant contribution to energy saving and the long-term reduction of emissions in the space heating sector. A HERZ HIU also effectively puts a stop to the issue of legionella. Since hot drinking water does not have to be stored at any time during normal operation, the development of legionella cultures is minimised.

Because hot water and circulation pipes are no longer necessary in the riser, not only are high pipe heat losses avoided, but also unwanted heating of the cold water pipe in the riser is prevented. For so-called small systems (DHW pipe capacity < 3 l from the station to the furthest tap) as described in DVGW worksheet W551, the operator is not obliged to carry out regular inspections due to the use of domestic hot water pipes.

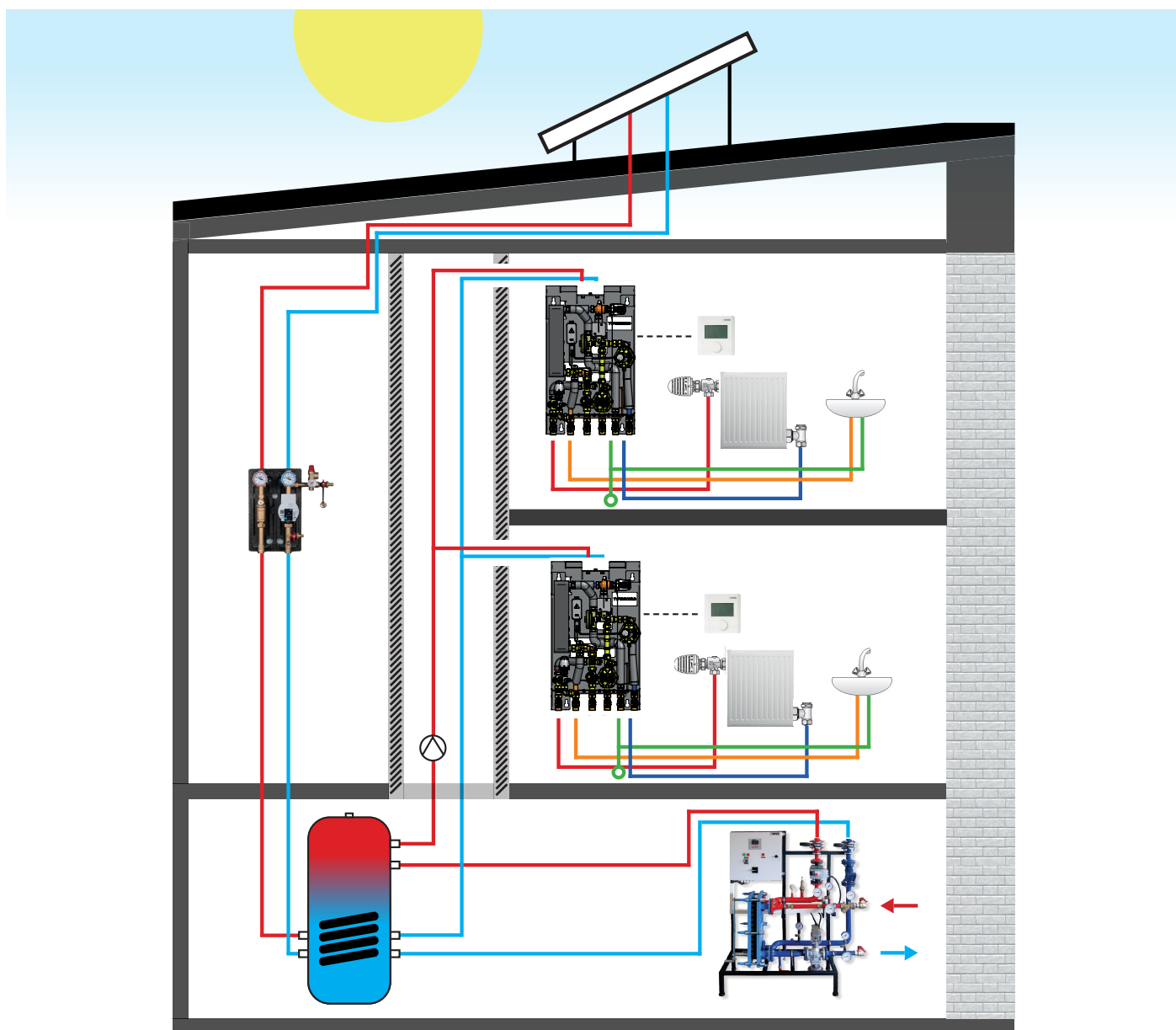
The use of HIUs completely eliminates the operator's regular obligation to inspect.



❑ Benefits

- ❑ Low return temperatures enable efficient operation of low-energy applications such as district heating, heat pumps or condensing boilers
- ❑ Modern, decentralised and hygienic hot water production. No more energy-intensive hot water tanks are needed
- ❑ High quality stainless steel piping and heat exchanger
- ❑ Easy replacement of any gas boiler
- ❑ Hot water comfort gain with maximum energy efficiency
- ❑ Environmentally friendly due to lower CO₂ emissions
- ❑ Cheaper maintenance costs due to ease of assembly and less time required
- ❑ Summer bypass and differential pressure controller 25-60 kPa on primary side
- ❑ Thermostatic control of the tap temperature, very good temperature stability even with small tap quantities
- ❑ Optimum utilisation of the calorific value effect and long burner runtimes result in a high overall efficiency of the system
- ❑ Minimum space requirement
- ❑ Ideal partner for sustainable energy systems
- ❑ Particularly hygienic hot water production
- ❑ Safe hot water production due to omission of the combustion system in the living area
- ❑ Made in Austria
- ❑ Differential pressure controller 23 kPa with thermomotor for zone control on secondary side

☑ Installation example



Article	Order number
HIU Renova (11 l/min), with TSR*	1 4021 91
HIU Renova (15 l/min), with TSR*	1 4021 92
HIU Renova (18 l/min), with TSR*	1 4021 93
Top Connection primary connection pipework insulated	1 4022 30

* Optimized for flow temperatures from 60 °C to 85 °C with thermostatic tap temperature control

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