

Heating Interface Unit - compactE

Safe and reliable electronic control system



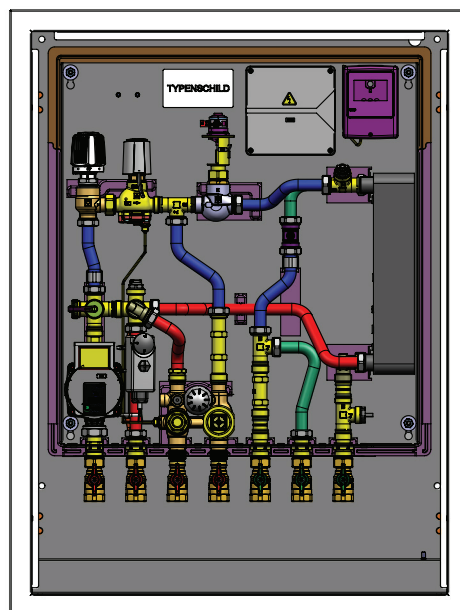
- ✔ Electronic control of the hot water temperature
- ✔ Insulation made of EPP
- ✔ Enables individual space heating and hot water preparation
- ✔ Time- and cost-saving installation
- ✔ Low return temperature
- ✔ Design / production / assembly in Austria

Application

The conventional and until now most common method of hot water processing is by using a hot water storage tank. This type of device warms up the water long before it is used, and stores or “saves” it in a hot condition. The inevitable loss of heat incurred (depending on the temperature) in this process necessitates a regular reheating.

The disadvantages of this method of preparing hot water are sufficiently well known. By the use of constructive measures or by changing the method used, the intention is to prevent the occurrence of legionella at the earliest point in this process. All these measures are aimed at avoiding the “saving” of hot water over a time period, in order to prevent the propagation of the legionella. This type of device, which does not require any storage potential in its function, is known by the general heading of a “continuous water heater”.

In the stand-by mode the heating water flows from the primary circuit (district heating main) via a bypass which is kept at operating temperature with a return temperature limiter. If hot water is drawn from a tap by a domestic user connected to the system, the control valve for the cold and heating water is opened by a stepper motor. Cold water flows through the heat exchanger, is heated up and promptly available as hot water at the domestic hot water tap. The temperature of the domestic hot water is controlled by an electronic controller.



Installation example

