Heat Stations

What is a Heat Station & Floor Station?

- Heat Stations, also known as "Substations" in the industry, are modular units with various functions. They are installed separately in each apartment in buildings heated by a central system. They prepare domestic hot water using the instantaneous heating principle using a brazed plate heat exchanger and control the apartment's heating.

- In central heating systems, the floor station acts as an interface between the heating center and the apartments, acting as an intermediate heating station for that apartment. Heat stations do not produce energy; they control the energy coming from the heating center within the apartment.

What are the Advantages of Using EUROMET Heat Stations?

You can minimize your energy consumption and make your heating costs sustainable.
Compatible with all apartment heating types, it offers users unlimited function options:
You can measure your apartment's energy consumption and collect your consumption data in information centers via m-bus.

With Smart Control, you can control your apartment heating and domestic hot water from your phone.
The Recirculation Kit keeps your domestic hot water ready even after extended breaks.
With indirect heating stations, you can separate your apartment's circulation line, thus completely decentralizing the central system.

Thermostatic Control

In thermostatically controlled heating stations, control is thermostatically based on temperature. The system prioritizes domestic hot water. However, heating is also partially maintained while domestic hot water is being consumed.
The system essentially consists of a thermostatic temperature controller and a heat exchanger. The thermostatic temperature controller sensor is immersed in the heat exchanger.
Thus, when domestic hot water consumption begins in the apartment, the sensor begins to cool, and the thermostatic temperature controller opens.
Hot water from the boiler is directed to the heat exchanger and begins heating the domestic hot water.
When hot water consumption ends in the apartment, the sensor inside the heat exchanger heats up and closes the heat exchanger circuit.
The system remains closed until it cools.

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What are the advantages of the Thermal Interface Unit?

- Use Ultrameter+ to measure your energy consumption and collect consumption data in information centers via m-bus.
- Control your apartment's heating and domestic hot water using your phone with Smart Control.
- Keep your domestic hot water always ready, even after long breaks, with the Recirculation Kit.
- Fully customize your central system by using Euromet T Series indirect heat stations to separate your apartment's circulation line.

The following factors play a significant role when designing a newly constructed building's mechanical system:

- Reducing investment costs
- Minimizing future operating expenses
- Minimizing maintenance costs
- Improving heating quality
- Increasing domestic hot water supply
- Increasing control options for providing domestic hot water and heating energy to the apartment.

The energy source can be an oil- or gas-fired boiler or hot water from a centralized energy production facility (waste heat, geothermal, district heating, cogeneration, etc.).

Balancing the system to meet peak demand is crucial, and this can be achieved by connecting an accumulation tank between the system and the energy center.

1. Sıcak Su Eşanjörü
2. Termostatik Kontrolör
3. Fark Basınç Kontrolörü
4. 3 Yollu Dağıtıcı + Pislik Tutucu
5. Kalorimetre