

# Mini flat HIU station piccolo

The piccolo mini flat HIU station is a compact unit designed for decentralized hot water supply in multi-story buildings and single-family homes.

It heats drinking water on demand using a flow-through system via a stainless steel plate heat exchanger, ensuring a hygienic and efficient supply. The integrated, self-regulating control system guarantees reliable temperature control without the need for an external power source.

- † **Decentralized drinking water heating:** On-demand hot water production using the instant-flow principle via a stainless steel plate heat exchanger—hygienic and efficient.
- † **PM Proportional flow controller:** Automatic control of the heating water flow rate without external power for reliable temperature control.
- † **Stainless steel piping:** High-quality, corrosion-resistant design for durability and operational reliability.
- † **Temperature-maintaining valve:** Prevents stagnation in the supply line and helps to maintain hygienic operating conditions.
- † Surface-mounted installation with a cover.

## Domestic hot water preparation

The drinking water is heated using the flow principle through a stainless steel plate heat exchanger only when it is needed. In heating systems with a buffer tank, the heating water is circulated through the heat exchanger during the draw-off process – in accordance with the resulting pressure drop – by a central, controlled circulation pump.

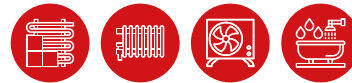
## Control Function

Control is provided by the PM proportional controller without external power. It regulates the heating water flow rate required for domestic hot water heating. The desired domestic hot water temperature is set directly on the adjustment lever. A temperature-maintaining valve prevents stagnation in the supply line.

## Scope of delivery

Ball valves for supply and return (DN 20 internal thread), reducer ring for cold water and hot water ( $\frac{3}{4}$ " external thread x  $\frac{1}{2}$ " internal thread) and mounting kit.

Suitable for:



**TECHNICAL DATA**

Pressure rating:	Heating: PN 6 / Drinking water: PN 10
Heating water supply temperature:	max. 90 °C
Drinking water setpoint temperature:	30 - 60 °C
Cold water pressure:	2,0 bar
Connection dimensions:	Heating: DN 25, ¼" internal thread / Drinking water: DN 15/20, ½", ¾" internal thread
Dimensions (WxHxD):	270 x 340 x 120 mm
Dimensions with ball valves (WxHxD):	270 x 440 x 120 mm

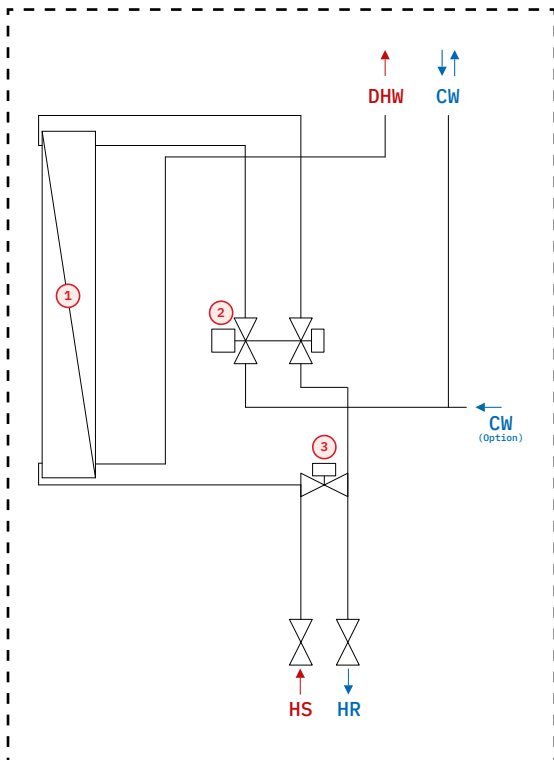
**PERFORMANCE EXAMPLE: HEAT EXCHANGER**

HEAT EXCHANGER SIZE:	M		XL	
Supply / Return temperature primary:	60 / 30 °C		60 / 30 °C	
CW inlet/ HW outlet temperature:	10 / 50 °C	10 / 45 °C	10 / 50 °C	10 / 45 °C
DHW tap capacity max.:	13 l/min	15 l/min	16,5 l/min	18,5 l/min
Pressure loss primary (without heat meter):	20,3 kPa		17,4 kPa	
Heating flow rate primary:	875 l/h		1303 l/h	

(at 2 bar cold water pressure and 350 mbar heating)

**ORDER NO.**

<b>1300012</b>	Surface-mounted, Copper plate heat exchanger, Hot water capacity M
<b>1300014</b>	Surface-mounted, Copper plate heat exchanger, Hot water capacity XL
<b>1300112</b>	Surface-mounted, Stainless steel plate heat exchanger, Hot water capacity M
<b>1300114</b>	Surface-mounted, Stainless steel plate heat exchanger, Hot water capacity XL


**SCHEMATIC**

- 1 Plate heat exchanger
- 2 Proportional flow controller PM
- 3 Temperature-maintaining valve

