

- ✓ decentralised heating via a plate heat exchanger
- ✓ proportional flow controller PM without external energy
- ✓ piping in stainless steel
- ✓ temperature provision valves

Application:

The mini DHW module piccolo is used as a DHW station for multi-storey buildings and in single-family houses.

Decentralised DHW heating:

The domestic water is heated in the flow principle only during the request via a stainless steel plate heat exchanger. In heating systems with a buffer, the heating water is pumped through the heat exchanger with the help of a central regulated circulation pump, depending on the pressure loss during the tapping process.

Control function:

The central control element is the proportional flow controller PM without external energy. It regulates the heating water flow that is required for DHW heating. The DHW temperature can be set with the setting lever on the proportional flow controller. The temperature provision valve prevents stagnation in supply lines.

Specifications	
Type:	M / XL
Dimensions: (WxHxD)	270 x 340 x 120 mm
Dimensions with ball valves: (WxHxD)	270 x 420 x 120 mm
Pressure rating:	HZ-PN6 / TW-PN 10
Supply temperature heating water:	max. 90° C
Setpoint temperature drinking water:	30 - 60° C
Pressure cold water:	2,0 bar
Connection dimensions:	Heating DN 20, 3/4" female thread / Drinking water DN 15/20, 1/2", 3/4" female thread

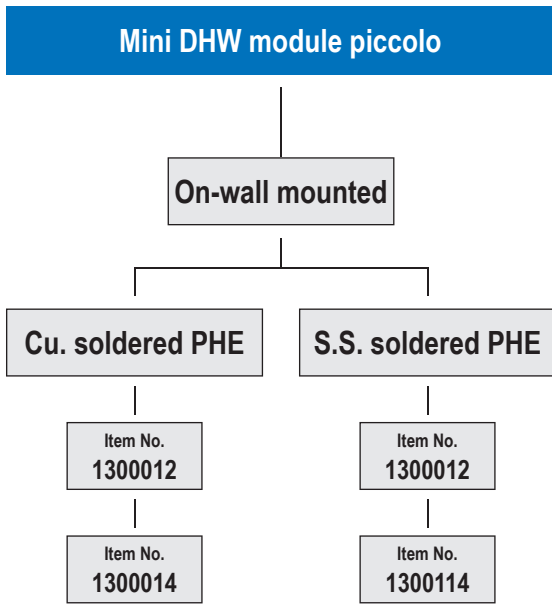
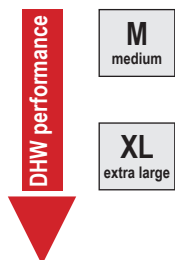


Example performance heat exchanger				
DHW performance:	36 kW		51 kW	
Supply/return temperature primary:	60 / 30 °C		60 / 30 °C	
DCW entry / DHW outlet temperature:	10 / 50 °C	10 / 45 °C	10 / 50 °C	10 / 45 °C
DHW tap load max.:	13 l/min	15 l/min	16,5 l/min	18,5 l/min
Pressure lost primary: (without heat meter)	20,3 kPa		17,4 kPa	
Flow primary:	875 l/h		1303 l/h	
* Operating voltage 230 V (at 2 bar DCW pressure and 350 mbar HS)				

Delivery	
Ball valves supply and return	DN 20 female thread
Reducer ring DCW and DHW	3/4" male thread x 1/2" female thread
Mounting set	

Selection criteria:

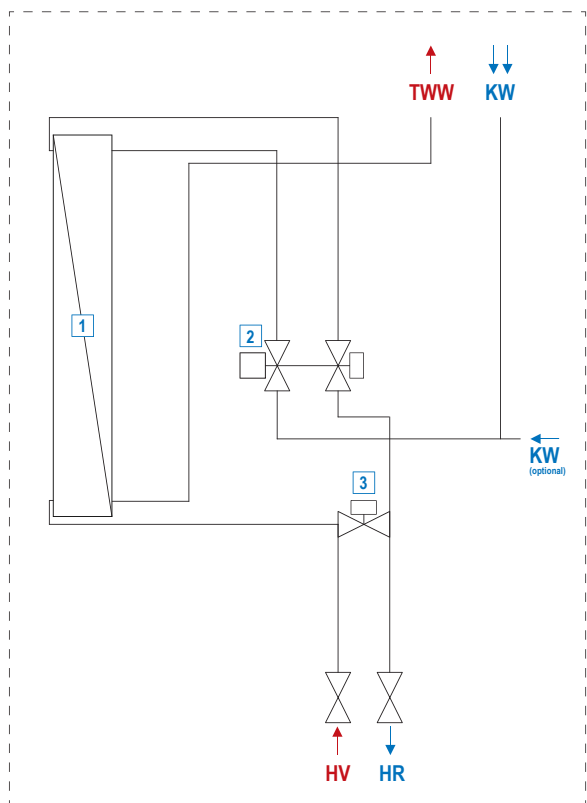
- 1. Installation:
- 2. PHE*:



Example categorization of item no. PHE*: plate heat exchanger

Example:	Type DHW station			Solder material	Installation	DHW performance
Item No.	1	3	0	0	1	4
				CU	AP	XL

Circuit diagram piccolo



- 1 Plate heat exchanger
- 2 Proportional flow controller PM
- 3 Temperature provision valves