

Fact sheet

Termix Solar A+

Wall-mounted domestic hot water module for flats, single-family houses and apartment buildings



Application

The Termix Solar A+ is an instantaneous water heater, featuring superb heat extraction and high performance – due to the patented Micro Plate™ technology and a high performance charging pump. Termix Solar A+ is applicable for heating systems with buffer accumulators, solar systems or for other heat sources, where a very low return temperature is preferred. The primary source is cooled out very efficiently by the heat exchanger, thereby creating a very good operation economy. A flow switch in the domestic hot water pipe is controlling the primary pump. An optional circulation pump can maintain the circulating temperature at a desired temperature.

Domestic hot water (DHW)

The domestic hot water is prepared in the heat exchanger and the temperature is regulated with a thermostatic control valve. The AVTB valve ensures a stable hot water temperature by varying loads, flow temperatures and differential pressure, without the need for readjusting the valve. There is no additional pressure loss on the secondary side of the heat exchanger with a thermostatic control. Therefore this unit is suitable in systems with low pressure in the cold water mains.

FEATURES AND BENEFITS

- Domestic hot water module with tap capacity of up to 35l/min. at 90 kW
- Thermostatic control
- Operates independently of differential pressure and flow temperature
- XB06H+ Micro Plate™ heat exchanger:
 - Low pressure loss
 - Superior heat transfer
- High efficiency pump capable of 7m head
- Reliable long-life AVTB regulation valve

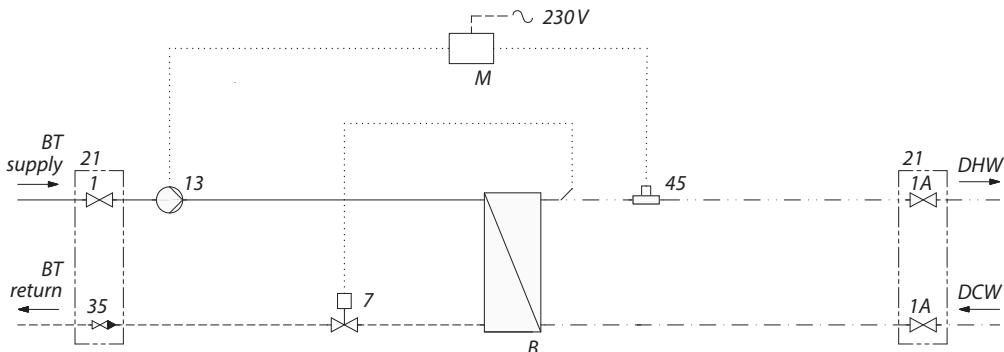
Options

The water heater can be provided with a circulation pump with safety valve, a white-laquered steel cover and two different ball valve sets (one set is with DVGW approval for DHW).

Construction

All pipes are made of stainless steel. The connections are made by nuts and gaskets. The brazed heat exchanger is made of copper and stainless steel with copper brazing.

CIRCUIT DIAGRAM – EXAMPLE



Termix Solar A+
 B Heat exchanger DHW
 M Electrical wiring box
 1 Ball valve
 1A Ball valve, DVGW
 7 Thermostatic valve
 13 Charging pump
 21 To be ordered separately
 35 Ball valve/non-return valve
 45 Flow switch

Termix Solar A+
 with circulation
 B Heat exchanger DHW
 M Electrical wiring box
 1 Ball valve
 1A Ball valve, DVGW
 2 Single check valve
 4 Safet valve
 7 Thermostatic valve
 11A Domestic hot water pump
 with built in check valve
 13 Charging pump
 21 To be ordered separately
 35 Ball valve/non-return valve
 45 Flow switch

Technical parameters:

Nominal pressure: PN 10
 DH supply temperature: $T_{max} = 120^\circ\text{C}$
 DCW static pressure: $P_{min} = 0.5 \text{ bar}$
 Brazing material (HEX): Copper

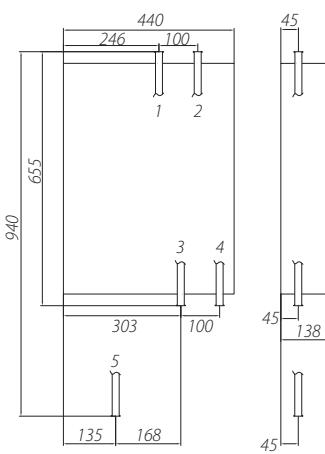
Weight incl. cover: 15 kg (incl. packing)

Dimensions (mm):

Without cover: H655 x W440 x D140
 With cover: H715 x W450 x D150
 With circulation: H940 x W440/450 x D140/150

Connections:

1. Buffer tank (BT) supply
2. Domestic hot water (DHW)
3. Buffer tank (BT) return
4. Domestic cold water (DCW)
5. Circulation (optional)



Connections sizes:

All connections: G 3/4" (int. thread)

Module code number: 144H1277

Options:

- Circulation pump with 10 bar safety valve (144H0936)
- White-laquered steel cover (144H1282)
- Ball valve set with 4 ball valves (144H0930)
- Ball valve set with 4 ball valves, of which two are with DVGW approval (144H0932)

DHW: CAPACITY EXAMPLES

DHW temperature [°C]	Tap capacity [kW]	Supply flow primary [°C]	Pressure loss primary [kPa]	Tap flow [l/min]
10/45	65	55	40	27
10/50	95	70	40	35

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