Sondex HW-B
Small wall mounted district heating unit for the hot domestic water with Booster pump

Sondex HW-B is a small water heater for apartments and one-family houses. It does not take up much space and can be placed in cupboards, technician rooms or even in utility rooms.

The unit is supplied with our own high-efficient brazed heat exchanger, where the sensor of the thermo-valve is placed inside the heat exchanger. This placement secures a precise control of the water temperature, a minimal waiting time for the hot water and counteracts lime.

Sondex HW-B effectively cools the district heating water and delivers a constant flow of hot water which is heated while tapping. The temperature of the hot water is controlled by an electronically control unit, which is factory adjusted to 45-55°C. This adjustment is user- as well as energy saving, as it keeps the temperature below the critical limit for lime deposit in the domestic water.

Properties
The water heater secures a big supply of tempered, hot water, which is heated while tapping. The output depends on the temperatures on the district heating side as well as on the domestic water side. The output will be exact, as the pump grants a constant flow through the heat exchanger.

The electronical control unit always keeps the domestic water at a constant temperature and keeps the service pipe suitably hot, so that the water will be hot while tapping.

Easy to Maintain and Assemble
A consequent connection with union and an appropriate piping make it easy to assemble and service the unit. Assembling is easy and quick by means of the two screw eyes in each corner. Connection of the tubes is made on the 4 unions on which it is easy to adapt the tube, whereafter the union is fastened.

Design
By the construction a clear and convenient placement of the components has been emphasized. Furthermore, a functional and energy saving placement of the components has been emphasized. Sondex HW-B can be delivered with a steel cabinet in a modern design.

Lifetime
Use of acid-proof stainless steel, AISI 316, for plate heat exchangers and tubes as well as application of approved quality components secures the unit a long lifetime.
Technical specifications

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Data
Weight and measures incl.: Max. 25 kg
Shell and packing: H675 x B550 x D320 mm
Max. temp. (primary/secondary): 120°C / 95°C
Tryktrin: PN16
Cabinet (Auxiliary equipment): Steel cabinet

Example: Hotwater capacity from 10°C/45°C

<table>
<thead>
<tr>
<th>Heat exchanger</th>
<th>Primary Forward Bar</th>
<th>Primary Backwards Bar</th>
<th>Tap Quantity l/min</th>
<th>Pressure loss Bar</th>
<th>Primary flow l/h</th>
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</thead>
<tbody>
<tr>
<td>Output KW</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>33</td>
<td>60</td>
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<td>30</td>
<td>21,6</td>
<td>0,2</td>
<td>936</td>
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</tbody>
</table>

Connections:
1. ¾" female thread cold water
2. ¾" female thread hot water
3. ¾" female thread district heating forwards
4. ¾" female thread district heating backwards

1. Plate heat exchanger with EPDM cap.
2. Regulating valve
3. Regulating sensor
4. Flow sensor
5. Pump