Sondex DH-T Central Unit with Tap for Hotwater Tank

Compact heating unit for heat to indirect systems with tap for e.g. hotwater tank. Perfect for one-family houses, terrace houses and apartments.

Based on the flow principle. The unit is delivered as a wall-mounted solution. Sondex DH-T is a complete unit for indirect plants with plate heat exchanger and outlet for hotwater tank. The unit is ideal for geo-thermal plants and plants with floor heating.

Sondex DH-T is equipped with an automatic thermostat to control the heating circuit and Sondex highly efficient brazed heat exchangers, where the censor of the thermo-valve is placed inside the heat exchanger. This position ensures an exact control of the indirect system temperature, and consequently is achieved the correct energy-saving cooling of the district heating water.

Sondex DH-T refrigerates the heating water efficiently. Therefore it can deliver a large amount of heated water to the indirect plant.

The temperature of the indirect plant is controlled by a thermo-valve which is factory set at 25-65°C. This option is energy saving because it can hold a low temperature, if floor heating is the only heating source in the house, e.g. 42°C.

Installation of Meter

The meter can be placed either in primary flow or return. The different measures of the meters have been taken into account, and whether they shall be placed in primary flow or return. By this solution the built-in of leakage supervision is possible.

Service and installation friendly

A consistent collection with nut and an appropriate piping makes it easy to install and service the units. The two mounting holes in each corner make the assembly quick and easy. Connection of pipes is finished in one of the 6 unions, which can be easily unplugged and screwed onto each pipe, whereafter the nuts are tightened.

Design

By the construction a clear and user-friendly placement of all components has been emphasized. Furthermore, a functional and energy saving construction has been emphasized. Sondex DH-T can be supplied with a white-coated steel cabinet in a modern design.

Lifetime

Application of acid resistant, stainless steel, AISI 316, for heat exchangers and pipes respectively and application of approved quality components ensure the unit a long lifetime.
Data
Weight and measures incl.: Max. 45 kg
Shell and packing: H675 x B550 x D320 mm
Max. temp. (primary/secondary): 120°C / 95°C
Max. pressure: PN16
Cabinet (Auxiliary equipment): Steel cabinet, white-painted

Example: Hotwater Capacity from 10°C / 45°C
<table>
<thead>
<tr>
<th>Heat exchanger</th>
<th>Primary</th>
<th>Secondary</th>
<th>Hot water</th>
<th>Pressure loss</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output KW</td>
<td>Forward</td>
<td>Heating</td>
<td>Volume l/min.</td>
<td>Primary Bar</td>
</tr>
<tr>
<td>19</td>
<td>60/30</td>
<td>25/45</td>
<td>0,20</td>
<td>540</td>
</tr>
<tr>
<td>19</td>
<td>70/40</td>
<td>35/60</td>
<td>0,25</td>
<td>540</td>
</tr>
<tr>
<td>25</td>
<td>80/40</td>
<td>35/65</td>
<td>0,25</td>
<td>540</td>
</tr>
</tbody>
</table>

Connections:
1. Expansion connection
2. Air Screw
3. Capillary tubes for differential pressure valve
4. Temperature sensor type
5. Pump 15-40/130
6. Control valve FR
7. Differential pressure valve
8. Temperature Sensor for meter
9. 3 bar safety valve
10. Thermometer 0-120°C
11. ¼“ dirt filter
12. Outlet from the safety valve
13. 6 x shut off valves (Auxiliary equipment)
14. Expansion tank
15. Fitted piece for meter
16. Braided heat exchanger with EPDM
17. Temperature sensor for meter

Copyright © 05-2012 Sondex A/S
Sondex A/S can accept no responsibility for possible errors in catalogues, brochures and other printet materials. Sondex A/S reserves the right at any time to change the specifications without notice.