Vertical tube furnaces up to 1700 °C – VTF XX / 17

The furnace is equipped with KANTHAL SUPER 1800 Molybdenum disilicide elements. These elements offer fast heat-up rates and are able to operate up to 1700 °C without change in electric resistance due to ageing. The furnaces could delivered with a separate stand as picture above show.

The instrumentation is built into a separate control cabinet. As standard we equip the cabinet with Eurotherm 2408 P4. This programmer has four programs with 16 step each. There is a range of other programmers to choose from if 2408 would not fit in your demands. The programmer can also have communication to a PC where you can set and monitor the temperature profiles.

TECHNICAL DATA – VTF XX / 17
Vertical Tube Furnace

Max. temperature: 1750 °C
Max. working temperature: 1700 °C
Elements: KANTHAL SUPER 1800 Molybdenum disilicide
Connection: 400 V, 50 Hz AC
Controller: Eurotherm 2408 P4, or optional
Thermocouple: B (Pt 6 % Rh / Pt 30% Rh)

(Example of 1700 °C furnaces)

<table>
<thead>
<tr>
<th>One Zone</th>
<th>Inside dia.</th>
<th>Hot zone</th>
<th>H</th>
<th>W</th>
<th>D</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTF 30-50</td>
<td>Max 50 mm</td>
<td>260 mm</td>
<td>600 mm</td>
<td>450 mm</td>
<td>450 mm</td>
<td>5500 VA</td>
</tr>
<tr>
<td>VTF 50-70</td>
<td>Max 70 mm</td>
<td>400 mm</td>
<td>750 mm</td>
<td>500 mm</td>
<td>500 mm</td>
<td>8000 VA</td>
</tr>
</tbody>
</table>

HIGH TEMPERATURE FURNACES made up to specification. Operating up to 2000 °C in oxidizing atmospheres.