

Vertical tube furnaces up to 1200 °C – VTF XX / 12 – XX



VTF 50 / 12



Rittal cabinet

The furnace is a type generally referred to as a tube furnace. These furnace types are equipped with KANTHAL A-1 elements which are wound around a ceramic tube. This design results in a robust furnace where the elements are protected from the furnace atmosphere as well as from mechanical damage. The elements offer moderate heat-up rates and are able to operating up to element temperatures of 1200 °C without change in electric resistance due to ageing.

The instrumentation is built into a separate control cabinet. The control unit consists of an Eurotherm 2116 single setpoint controller or 2408 P4 programmable controller (option). The controller receives its signal from thermocouple type N.

As we manufacture the furnace ourselves we can design the furnace very freely.

TECHNICAL DATA – VTF XX / 12 - XX Vertical Tube Furnace

| | |
|----------------------------------|---------------------------------------|
| Max. temperature: | 1200 °C |
| Max. working temperature: | 1150 °C |
| Elements: | Kanthal A-1 metallic resistance wire |
| Connection: | 1 x 230 V, 50 Hz AC, or optional |
| Controller: | 1 pcs Eurotherm 2116 PID, or optional |
| Thermocouple: | 1 pcs Type N |

| Standard | Inner dia. | Hot zone | H | W | D | Power |
|-------------|------------|----------|--------|--------|--------|--------|
| VTF 30 / 12 | 30 mm | 300 mm | 480 mm | 360 mm | 360 mm | 800 W |
| VTF 40 / 12 | 40 mm | 500 mm | 680 mm | 360 mm | 360 mm | 1400 W |
| VTF 50 / 12 | 50 mm | 500 mm | 680 mm | 360 mm | 360 mm | 1800 W |
| VTF 60 / 12 | 60 mm | 500 mm | 680 mm | 360 mm | 360 mm | 2200 W |
| VTF 70 / 12 | 70 mm | 500 mm | 680 mm | 360 mm | 360 mm | 2800 W |
| VTF 80 / 12 | 80 mm | 500 mm | 680 mm | 360 mm | 360 mm | 3500 W |

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