

## 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 if 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 3216 single setpoint controller or 2416 programmable controller. 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

<b>Max. temperature:</b>	1200 °C
<b>Max. working temperature:</b>	1150 °C
<b>Elements:</b>	Kanthal A-1 metallic resistance wire
<b>Connection:</b>	220 - 240 V, 50 Hz AC, or optional
<b>Controller:</b>	Eurotherm 3216 PID, or optional
<b>Thermocouple:</b>	1 pcs Type N

Standard	Inner dia.	Hot zone	H	W	D	Power
VTF 30 / 12	30 mm	300	460 mm	360 mm	360 mm	800 W
VTF 40 / 12	40 mm	500	660 mm	360 mm	360 mm	1400 W
VTF 50 / 12	50 mm	500	660 mm	360 mm	360 mm	1800 W
VTF 60 / 12	60 mm	500	660 mm	360 mm	360 mm	2200 W

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