

Vertical Split tube furnaces up to 1700 °C – VSTF XX / 17 – X



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. If you need a temperature gradient or avoid it, it is possible to divide the chamber into separate hot zones. The furnaces are delivered with a bracket for wall mounting.

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. You will need one controller to every zone the furnace is built with. You can choose between master/slave communication or independent programming. The programmer can also have communication to a PC where you can set and monitor the temperature profiles.

TECHNICAL DATA – VSTF XX / 17 - X

Vertical Split Tube Furnace

Max. temperature:	1700 °C
Max. working temperature:	1650 °C
Elements:	KANTHAL SUPER 1800 Molybdenum disilicide
Connection:	1-3 x 400 V, 50 Hz AC
Controller:	1-3 Eurotherm 2408 P4, or optional
Thermocouple:	S (Pt / Pt 10% Rh)

(Example of 1700 °C furnaces)

One Zone	Inside dia.	Hot zone	H	W	D	Power
VSTF 40/17	100 mm	300 mm	580 mm	500 mm	735 mm	6800 VA
Two zone	Inside dia.	Hot zone	H	W	D	Power
VSTF 80/17-II	200 mm	600 mm	770 mm	500 mm	735 mm	2x6800 VA

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