

Chamber furnaces up to 1700 °C – SF X / 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 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 – SF X / 17 Rapid High Temperature Chamber Furnace

Max. temperature:	1700 °C
Max. working temperature:	1700 °C
Heating rate 20 – 1600 °C, SF 3 – SF 5:	15 minutes
Heating rate 20 – 1600 °C, SF 6:	30 minutes
Elements:	Kanthal Super 1800 (MoSi ₂)
Connection:	1 x 230 V, 50 Hz AC, or optional
Controller:	Eurotherm 2408 P4, or optional
Thermocouple:	Type B (Pt 6%Rh / Pt 30%Rh)

Typ	Chamber, H x W x D	Volume	H	W	D	Power
SF 3 / 17	165 x 160 x 160 mm	4,2 ltrs	500 mm	750 mm	500 mm	4,0 kVA
SF 4 / 17	165 x 160 x 215 mm	5,7 ltrs	500 mm	750 mm	500 mm	4,8 kVA
SF 5 / 17	165 x 160 x 270 mm	7,1 ltrs	500 mm	750 mm	500 mm	6,0 kVA
SF 6 / 17	200 x 200 x 350 mm	14,0 ltrs	560 mm	790 mm	580 mm	6,7 kVA

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