CTF High Temperature Horizontal Tube Furnaces

Standard features

- ✓ 1700°C & 1800°C maximum operating temperature
- ✓ Utilising molybdenum disilicide elements
- ✓ Using worktubes with outer diameters of up to 90mm
- ✓ 300mm or 600mm heated tube lengths
- ✓ Horizontal configuration
- ✓ 8 Segment programmable controller & separate over-temperature protection

Options

specify these at time of order

- Insulation plugs & radiation shields to prevent heat loss & improve uniformity
- Gas injection & vacuum compatible worktube end, seal assemblies
- Tube supports essential for use with high vacuum seals
- 2 phase or 3 phase or power supply
- 20 segment programmer
- RS232 communications & graphical recorders
- Alternative furnace sizes can be supplied upon request

CTF 17/75/300/3216P1

Designed for high temperature applications utilising high temperature RCA (recrystalised alumina) worktubes. Vertical elements heat an horizontal tube.

Requires but does not include an appropriate RCA (recrystallised alumina) accessory worktube 19.5mm to 90mm maximum outer diameter.

Model	Max temp (°C)	Heat-up time (mins)	Dimensions				Uniform length ±5°C (mm)	Max power (W) / Holding power (W)	Thermo-couple type	Weight (kg)	Power supply
			Max o/d accessory tube (mm)	Heated tube length (mm)	Overall furnace length (mm)	External H x W x D (mm) / Furnace body length (mm)					
CTF 17/300	1700	Rate will vary with state of oxidation and age of elements	90	300	650	880 x 720 x 630 / 650	200	4125 / 2500	B	126	Single
CTF 17/600	1700		90	600	950	880 x 1020 x 630 / 950	400	6875 / 3800	B	220	Single, 2 or 3 phase
CTF 18/300	1800		90	300	650	945 x 720 x 630 / 650	200	6000 / 5200	2‡	130	Single
CTF 18/600	1800		90	600	950	945 x 1020 x 630 / 950	400	9300 / 5700	2‡	230	Single, 2 or 3 phase

Continuous operating temperature is 100°C below maximum temperature.
Holding power is measured at the continuous operating temperature.
Uniform length measured with end plugs fitted.
‡A Carbolite proprietary thermocouple design.

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