

The CTF wire wound tube furnaces use a wire element that is wound directly onto a fixed diameter integral ceramic work tube. The CTF range offers tube diameters of 65, 75 and 100 mm (inner diameters).

This simple and economical design provides a furnace that can be used without the need to purchase an additional work tube. However, should vacuum or a modified atmosphere be required, it is necessary to use a separate additional slide-in work tube in order to provide the required length needed to fit end seals. Similarly, in some circumstances a work tube that has different physical or chemical properties to the fixed work tube may be required. The use of an additional slide-in work tube protects the integral work tube and heating element.



CTF 12/65/550

Standard features

- 1200 °C maximum operating temperature
- 65 mm, 75 mm or 100 mm work tube inner diameters
- 550 mm, 700 mm or 900 mm heated length
- Integral wire wound work tube
- Carbolite 301 PID controller single ramp to setpoint and process timer
- Delayed start / process timer function as standard
- Horizontal configuration mounted on control module

Options (specify these at time of order)

- Alternative mounting options are available (see page 39)
- Optionally configured for 2 phase electrical supply
- A range of additional work tubes is available in a variety of materials
- Insulation plugs & radiation shields to prevent heat loss & improve uniformity
- Modified atmosphere and vacuum end seal assemblies (see page 95)
- Over-temperature protection (recommended to protect valuable contents & for unattended operation)
- A range of sophisticated digital controllers, multi-segment programmers and data loggers is available. These can be fitted with RS232, RS485 or Ethernet communications (see pages 88-91)

Technical data

Model	Max temp (°C)	Heat-up time (mins)	Max continuous operating temp (°C)	Dimensions: Fixed tube inner diameter (mm)	Dimensions: Heated length (mm)	Dimensions: External H x W x D (mm)	Dimensions: Furnace body length (mm)	Uniform length ±5°C (mm)	Max power (W)	Thermocouple type	Weight (kg)
CTF 12/65/550	1200	45	1100	65	550	525 x 625 x 360	600	230	2000	N	25
CTF 12/75/700	1200	45	1100	75	700	525 x 775 x 360	750	265	3000	N	28
CTF 12/100/900	1200	90	1100	100	900	525 x 975 x 360	950	640	4500	N	35

明頂科技有限公司

TEL.07-552-6160 FAX.07-586-6000

<https://www.mding.com.tw>