



CTF Series, 900°C, 1000°C & 1200°C Horizontal And Vertical Tube Furnaces

Features:

Maximum operating temperature of 1200°C • Tube diameters of 65, 75 and 100mm • Heated lengths of 550, 700 & 900mm • These models utilise a resistance wire heating element wound around a ceramic worktube, forming an integral part of the heating element to ensure excellent thermal uniformity • Rapid heat up to operating temperature • Can be adapted to allow a non-oxidising atmosphere or vacuum, by fitting an additional worktube and end seals • The thermocouple is located in a protected position between the outside of the worktube and heating element, allowing the full worktube diameter to be used • Normally built on the horizontal base pictured left, this furnace range can optionally be mounted

vertically with a separate control box • Applications in materials research include testing of novel materials under strict temp. & varying atmosphere conditions • Applications in the electronics industry include testing electronic components & semiconductor materials under inert atmospheres or vacuum • Applications in instrumentation include testing of temperature sensors such as thermocouples and PT100's, which may require enhanced thermal uniformity

Model	CTF-12/65/550	CTF-12/75/700	CTF-12/100/900
Maximum temperature (°C)	1200	1200	1200
Tube length (mm)	600	750	950
Heated length (mm)	550	700	900
Uniform length (mm - ±5°C)	230	265	640
Tube inner diameter (mm)	65	75	100
Power rating (kW)	2	3	4.5
Outer measurements excluding tube (mm - HxWxD)	525x626x360	525x775x360	525x975x360
Thermocouple	Type N		
Weight (kg)	25	35	45



MTF Series, Small Tube Furnaces, 900°C, 1000°C & 1200°C

Features:

Maximum operating temperatures of 900°C, 1000°C and 1200°C • Tube diameters range from 15 - 38mm • Heated lengths from 130 - 400mm • These models utilise a resistance wire heating element wound around a ceramic worktube, forming an integral part of the heating element to ensure excellent thermal uniformity • Rapid heat up to operating temperature • Can be adapted to allow a non-oxidising atmosphere or vacuum, by fitting an additional worktube and end seals • The thermocouple is located in a protected position between the outside of the worktube & heating element, allowing the full worktube diameter to be used • Normally built on the horizontal base pictured left, this furnace range can optionally be mounted vertically with a separate control box •

Applications in materials research include testing of novel materials under strict temperature and varying atmosphere conditions.

Model	MTF-9/15/130	MTF-10/15/130	MTF-10/25/130	MTF-12/25/250	MTF-12/25/400	MTF-12/38/250	MTF-12/38/400	MTF-12/38/850
Max. temp. (°C)	900	1000	1000	1200	1200	1200	1200	1200
Tube length (mm)	180	150	150	300	450	300	450	900
Heated length (mm)	130	130	130	250	400	250	400	850
Tube inside diameter (mm)	15	15	35	25	25	38	38	38
Power rating (kW)	0.25	0.4	0.4	0.7	1	1	1.5	2.6
Outer measurements excluding tube (mm - HxWxD)	180x90x180	265x150x175	265x150x175	375x370x375	375x450x375	430x370x375	430x450x375	430x900x375
Heat up time	7	5	10	15	25	30	25	-
Weight (kg)	2	5	6	10	15	10	15	-