LABORATORY SCALE FURNACES

TUBE FURNACE

Tube furnaces are commonly used to provide the desired atmosphere condition in a tube. In these furnaces, melting, thermal aging, sintering, metal heat treatment, chemical decomposition and thermal shock tests can be applied.

- Tmax. 1750°C
- Inside diameter: 73 mm
- Heating on both side
- Stainless steel water cooled gas inlet and outlet flanges**
- Sample holder and heat shields
- Manual adjustable gas flow
- Proper tube for usage temperature
- Programmable step controller via digital display
- Auto power cut when lid is open
- Temperature control via PID and ±1°C temperature display sensitivity
- Observation of set and real temperature
- Temperature measurement via thermocouple
- Delayed start and program save feature
- System protection for over temperature, audio visual warning alarm
- Error display in case a breakdown

Optional Features: Different heat zones

Flanges of Tube Furnace

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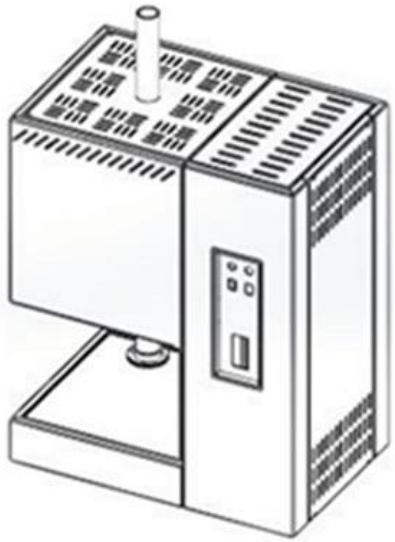
TUBE FURNACE

In our tube furnaces, horizontal or vertical operation can be selected, while the tube rotate, tilt operation and feeding unit, creating and controlling the different temperature zones, the sample for an external thermocouple from the inside of the tube, and various optional features such as sample temperature measurement and vacuum operation are also possible. Depending on the temperature, quartz, mullite and alumina pipes can be preferred. Supply of tubes and accessories (flanges, ceramic crucibles etc.) can be obtained from our company.

Quartz, mullite and alumina tubes are used according to working temperature.

Temperature: 1100°C
Inside diameter: 200 mm



LABORATORY SCALE FURNACES

TUBE FURNACES SERIES

The standard models of tube furnaces are listed below. Please contact us for detailed information.

Product Code	Max. Temperature °C	Inside Diameter (mm)	Heated Length (mm	Tube
T_1100_20_250	1100	20	250	Quartz
T_1100_20_350	1100	20	350	Quartz
T_1100_20_450	1100	20	450	Quartz
T_1100_50_250	1100	50	250	Quartz
T_1100_50_350	1100	50	350	Quartz
T_1100_50_450	1100	50	450	Quartz
T_1100_50_600	1100	50	600	Quartz
T_1100_74_250	1100	74	250	Quartz
T_1100_74_450	1100	74	400	Quartz
T_1100_74_600	1100	74	600	Quartz
T_1100_100_250	1100	100	250	Quartz
T_1100_100_450	1100	100	450	Quartz
T_1100_150_250	1100	150	250	Quartz
T_1100_150_450	1100	150	450	Quartz
T_1100_200_450	1100	200	450	Quartz
T_1100_*	1100	*	*	Quartz

*Produced on demand by the customer.

Product Code	Max. Temperature °C	Inside Diameter (mm)	Heated Length (mm)	Tube
T_1200_20_250	1200	20	250	Quartz
T_1200_20_350	1200	20	350	Quartz
T_1200_20_450	1200	20	450	Quartz
T_1200_50_250	1200	50	250	Quartz
T_1200_50_350	1200	50	350	Quartz
T_1200_50_450	1200	50	450	Quartz
T_1200_50_600	1200	50	600	Quartz
T_1200_74_250	1200	74	250	Quartz
T_1200_74_450	1200	74	400	Quartz
T_1200_74_600	1200	74	600	Quartz
T_1200_*	1200	*	*	*

*Produced on demand by the customer.

Product Code	Max. Temperature °C	Inside Diameter (mm)	Heated Length (mm)	Tube
T_1400_20_250	1400	20	250	Mullite
T_1400_20_350	1400	20	350	Mullite
T_1400_20_450	1400	20	450	Mullite
T_1400_50_250	1400	50	250	Mullite
T_1400_50_350	1400	50	350	Mullite
T_1400_50_450	1400	50	450	Mullite
T_1400_50_600	1400	50	600	Mullite
T_1400_74_250	1400	74	250	Mullite
T_1400_74_450	1400	74	400	Mullite
T_1400_74_600	1400	74	600	Mullite
T_1400_*	1400	*	*	*

*Produced on demand by the customer.

Product Code	Max. Temperature °C	Inside Diameter (mm)	Heated Length (mm)	Tube
T_1500_40_250	1500	40	250	Alumina
T_1500_40_350	1500	40	350	Alumina
T_1500_40_450	1500	40	450	Alumina
T_1500_50_250	1500	50	250	Alumina
T_1500_50_350	1500	50	350	Alumina
T_1500_50_450	1500	50	450	Alumina
T_1500_50_600	1500	50	600	Alumina
T_1500_74_250	1500	74	250	Alumina
T_1500_74_450	1500	74	400	Alumina
T_1500_74_600	1500	74	600	Alumina
T_1500_*	1500	*	*	*

*Produced on demand by the customer.

Product Code	Max. Temperature °C	Inside Diameter (mm)	Heated Length (mm)	Tube
T_1600_40_350	1600	40	350	Alumina
T_1600_40_450	1600	40	450	Alumina
T_1600_50_350	1600	50	350	Alumina
T_1600_50_450	1600	50	450	Alumina
T_1600_50_600	1600	50	600	Alumina
T_1600_74_450	1600	74	450	Alumina
T_1600_74_600	1600	74	600	Alumina
T_1600_*	1600	*	*	*

*Produced on demand by the customer.

Product Code	Max. Temperature °C	Inside Diameter (mm)	Heated Length (mm)	Tube
T_1700_40_350	1700	40	350	Alumina
T_1700_40_450	1700	40	450	Alumina
T_1700_50_350	1700	50	350	Alumina
T_1700_50_450	1700	50	450	Alumina
T_1700_50_600	1700	50	600	Alumina
T_1700_74_450	1700	74	450	Alumina
T_1700_74_600	1700	74	600	Alumina
T_1700_*	1700	*	*	*

*Produced on demand by the customer.

Product Code	Max. Temperature °C	Inside Diameter (mm)	Heated Length (mm)	Tube
T_1750_40_350	1750	40	350	Alumina
T_1750_40_450	1750	40	450	Alumina
T_1750_50_350	1750	50	350	Alumina
T_1750_50_450	1750	50	450	Alumina
T_1750_50_600	1750	50	600	Alumina
T_1750_74_350	1750	74	350	Alumina
T_1750_74_450	1750	74	450	Alumina
T_1750_*	1750	*	*	*

*Produced on demand by the customer.