



TUBE FURNACE BFTU-1200-100-800

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Compact and reliable tube furnaces to meet your specific heating needs. These furnaces are microprocessor based with PID controller for excellent temperature controls to prevent overshoot from the setpoint. Durable heating resistors provide uniform heating with low energy consumption.

Used in Tube Furnaces are widely used for testing of novel materials and electronic components, heat treating, reaction studies, testing temperature sensors and sintering processes..

BFTU-1200-100-800 TUBE FURNACE



The Right Choice for a Homogeneous Temperature Distribution and Reliable Protective Atmosphere

High Precision Measurement of the Real Temperature of the Inner Chamber

Gas Inlet and Evacuation System Option for Protective Atmosphere

Thermal Shock Resistant Tubes

High-Precise Temperature Control over Wide Working Temperature Range

Accurate Measurement and Temperature Control with K Type Thermocouple

Second Thermocouple Option Adjustable for Different Processes

Programming with Easy-to-Understand Menu on 4-Line LCD Display

Low External Surface Temperature with Dual Layer Housing

Heating Elements which are Selected and Designed According to Their Proper Working Temperatures and Providing Fast Heating of the Furnace

Optional Features such as Protective Gas Connections, Flowmeter / Rotameter, Gas Regulator, Flange Applications, Vacuum Equipment, Vertical Design, Double Tube Design, PC Connection

SPECIFICATIONS

| Model | BFTU-1200-100-800 |
|--------------------------------------|---------------------------|
| Maximum Temperature | 1200°C |
| Working Temperature | 1200°C |
| Control Unit | B2 |
| Controller Description | 4x20 LCD / 4 Steps 2 Prog |
| Software Options | B2, E4, U8, S16 |
| Control Accuracy | ±1°C |
| Tube Inner Diameter | 100 mm |
| Heated Zone Length | 800 mm |
| ±10°C Homogeneous Heated Zone Length | 267 mm |
| Housing Material | Steel Sheet |
| Housing Coating | Epoxy Powder Coating |
| Inner Insulation Material | Ceramic Fibre Blanket |
| Thermocouple Type | K Type |
| Heating Element Type | Fe-Cr-Al |
| Tube Type | Mullit |
| Tube Length | 1010 mm |
| Outer Dimension (WxDxH) | 994x497x568 mm |
| Gross Dimensions (WxDxH) | 1035x543x727 mm |
| Net Weight | 67 Kg |
| Gross Weight | 79 Kg |

| | |
|---------------------------|--|
| Tube Length* | 1120 mm |
| Outer Dimension (WxDxH)* | 1194x497x568 mm |
| Gross Dimensions (WxDxH)* | 1235x543x727 mm |
| Net Weight* | 77 Kg |
| Gross Weight* | 90 Kg |
| Gas Connection | Optional |
| Power | 3500 W |
| Maximum Current | 16 A |
| Power Supply | 220V / 50Hz |
| Note | Range of different tube dimensions available |



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