

# PRODUCT CATALOG



# TUBE FURNACE BFTU-1100-20-250





#### TUBE FURNACE BFTU-1100-20-250

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-1100-20-250 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**

Avorking Temperature  Control Unit  Example 1100°C  Control Unit  Example 2  Control Unit  Example 3  Controller Description  Example 3  Example 4  Example 3  Example 3  Example 4  Exampl	Model	BFTU-1100-20-250
Control Unit  Controller Description  Ax20 LCD / 4 Steps 2 Prog  Software Options  B2, E4, U8, S16  Control Accuracy  Leated Zone Length  Control Material  Cousing Material  Cousing Coating  Inner Insulation Material  Ceramic Fibre Blanket  Chemocouple Type  Heating Element Type  Heating Element Type  Fe-Cr-Al  Fube Length  Cuter Dimension (WxDxH)  Available  A	Maximum Temperature	1100°C
Controller Description  Ax20 LCD / 4 Steps 2 Prog B2, E4, U8, S16 Control Accuracy  Lube Inner Diameter  B20 mm B2 E40 Control Accuracy  Lube Inner Diameter  B30 mm B4 mm B4 mm B4 mm B4 mm B5 Steel Sheet B5 Sheet B6 Sheet B6 Sheet B6 Sheet B6 Sheet B7 Spoxy Powder Coating B7 Spoxy Powder Coati	Working Temperature	1100°C
B2, E4, U8, S16 Control Accuracy  Loude Inner Diameter  Leated Zone Length  Lousing Material  Lousing Material  Lousing Coating  Lousing Coating  Lousing Coating  Lousing Coating  Lousing Coating  Lousing Epoxy Powder Coating  Lousing Epoxy Powder Coating  Lousing Coating  Lousing Fibre Blanket  Lousing Fibre Blanket  Lousing Coating  Lousing Coating  Lousing Coating  Lousing Coating  Lousing Coating  Lousing Fibre Blanket  Lousing Element Fibre Blanket  Lousing Element Type  Lousing Element	Control Unit	B2
Tube Inner Diameter 20 mm Heated Zone Length 250 mm Housing Material Steel Sheet Housing Coating Epoxy Powder Coating Inner Insulation Material Ceramic Fibre Blanket Fibrermocouple Type K Type Heating Element Type Fe-Cr-Al Fube Type Mullit Fube Length 420 mm Outer Dimensions (WxDxH) 470x361x579 mm Net Weight 14 Kg	Controller Description	4x20 LCD / 4 Steps 2 Prog
Tube Inner Diameter 20 mm Heated Zone Length 250 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 420 mm Outer Dimension (WxDxH) 470x361x579 mm Net Weight 14 Kg	Software Options	B2, E4, U8, S16
Heated Zone Length 250 mm  £10°C Homogeneous Heated Zone Length 84 mm  Housing Material Steel Sheet  Housing Coating Epoxy Powder Coating  Thermocouple Type K Type  Heating Element Type Fe-Cr-Al  Fube Type Mullit  Fube Length 420 mm  Outer Dimension (WxDxH) 424x315x420 mm  Fross Dimensions (WxDxH) 470x361x579 mm  Net Weight 14 Kg	Control Accuracy	±1°C
#10°C Homogeneous Heated Zone Length Housing Material Housing Coating Fepoxy Powder Coating Fener Insulation Material Fermocouple Type Feating Element Type Fee-Cr-Al Fube Type Fube Length Fube Length Fuber Dimension (WxDxH) Fuber Weight Fermocouple Type Feer Type Fe	Tube Inner Diameter	20 mm
Housing Material  Housing Coating  Housing Coating  Epoxy Powder Coating  Ceramic Fibre Blanket  K Type  Heating Element Type  Heating Element Type  Fe-Cr-Al  Fube Type  Mullit  Fube Length  Outer Dimension (WxDxH)  Foress Dimensions (WxDxH)  Net Weight  Steel Sheet  Epoxy Powder Coating  Ceramic Fibre Blanket  K Type  K Type  K Type  Mullit  420 mm  424x315x420 mm  470x361x579 mm  14 Kg	Heated Zone Length	250 mm
Housing Coating Floory Powder Coating Floory Powder Coating Ceramic Fibre Blanket Floermocouple Type Fe-Cr-Al Fube Type Fube Type Fube Length Fube Length Fuctor Dimension (WxDxH) Floors Dimensions (Wx	±10°C Homogeneous Heated Zone Length	84 mm
Inner Insulation Material Ceramic Fibre Blanket Thermocouple Type K Type Heating Element Type Fe-Cr-Al Tube Type Mullit Tube Length Outer Dimension (WxDxH) Tooss Dimensions (WxDxH) A70x361x579 mm Net Weight  Ceramic Fibre Blanket K Type K Type K Type Fe-Cr-Al A20 mm A24x315x420 mm A24x315x420 mm A70x361x579 mm A70x361x579 mm	Housing Material	Steel Sheet
Thermocouple Type Heating Element Type Fe-Cr-Al Tube Type Mullit Tube Length Outer Dimension (WxDxH) Tube Weight  K Type Fe-Cr-Al Mullit A20 mm A24x315x420 mm A70x361x579 mm A70x361x579 mm A14 Kg	Housing Coating	Epoxy Powder Coating
Heating Element Type Fe-Cr-Al Tube Type Mullit Tube Length Outer Dimension (WxDxH) Gross Dimensions (WxDxH) A70x361x579 mm Net Weight A8	Inner Insulation Material	Ceramic Fibre Blanket
Tube Type  Mullit  Tube Length  Outer Dimension (WxDxH)  Gross Dimensions (WxDxH)  At 424x315x420 mm  470x361x579 mm  14 Kg	Thermocouple Type	К Туре
Fube Length         420 mm           Outer Dimension (WxDxH)         424x315x420 mm           Gross Dimensions (WxDxH)         470x361x579 mm           Net Weight         14 Kg	Heating Element Type	Fe-Cr-Al
Outer Dimension (WxDxH)  Gross Dimensions (WxDxH)  A70x361x579 mm  14 Kg	Tube Type	Mullit
Tross Dimensions (WxDxH) 470x361x579 mm  Net Weight 14 Kg	Tube Length	420 mm
Net Weight 14 Kg	Outer Dimension (WxDxH)	424x315x420 mm
	Gross Dimensions (WxDxH)	470x361x579 mm
Gross Weight 20 Kg	Net Weight	14 Kg
	Gross Weight	20 Kg

Tube Length*	530 mm
Outer Dimension (WxDxH)*	604x315x420 mm
Gross Dimensions (WxDxH)*	650x361x579 mm
Net Weight*	19 Kg
Gross Weight*	26 Kg
Gas Connection	Optional
Power	1100 W
Maximum Current	5 A
Power Supply	220V / 50Hz



## Biolab Scientific Ltd.

3660 Midland Avenue, Suite 300, Toronto, Ontario M1V 0B8, Canada Email: info@biolabscientific.com | Website: www.biolabscientific.com