



TUBE FURNACE

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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..

1100 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-1100-100-800	BFTU-1100-20-250	BFTU-1100-38-450
Maximum Temperature	1100°C		
Working Temperature	1100°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	20 mm	38 mm
Heated Zone Length	800 mm	250 mm	450 mm
±10°C Homogeneous Heated Zone Length	267 mm	84 mm	150 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	420 mm	660 mm
Outer Dimension (WxDxH)	994x497x568 mm	424x315x420 mm	634x369x464 mm
Gross Dimensions (WxDxH)	1035x543x727 mm	470x361x579 mm	675x415x623 mm
Net Weight	67 Kg	14 Kg	27 Kg
Gross Weight	79 Kg	20 Kg	35 Kg

Tube Length*	1120 mm	530 mm	770 mm
Outer Dimension (WxDxH)*	1194x497x568 mm	604x315x420 mm	824x369x464 mm
Gross Dimensions (WxDxH)*	1235x543x727 mm	650x361x579 mm	865x415x623 mm
Net Weight*	77 Kg	19 Kg	33 Kg
Gross Weight*	90 Kg	26 Kg	41 Kg
Gas Connection	Optional		
Power	3500 W	1100 W	1350 W
Maximum Current	16 A	5:00 AM	7:00 AM
Power Supply	220V / 50Hz		
Note	Range of different tube dimensions available	-	-

Model	BFTU-1100-50-300	BFTU-1100-50-450
Maximum Temperature	1100°C	
Working Temperature	1100°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	50 mm	
Heated Zone Length	300 mm	450 mm
±10°C Homogeneous Heated Zone Length	100 mm	150 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	510 mm	660 mm
Outer Dimension (WxDxH)	484x384x476 mm	634x384x476 mm
Gross Dimensions (WxDxH)	525x430x635 mm	675x430x635 mm
Net Weight	23 Kg	29 Kg
Gross Weight	30 Kg	37 Kg
Tube Length*	620 mm	770 mm
Outer Dimension (WxDxH)*	674x384x476 mm	824x384x476 mm
Gross Dimensions (WxDxH)*	715x430x635 mm	865x430x635 mm
Net Weight*	29 Kg	35 Kg
Gross Weight*	37 Kg	43 Kg
Gas Connection	Optional	
Power	1350 W	1500 W
Maximum Current	7:00 AM	
Power Supply	220V / 50Hz	
Note	-	Range of different tube dimensions available



BFTU-1100-100-800



BFTU-1100-20-250



BFTU-1100-38-450



BFTU-1100-50-300



BFTU-1100-50-450

BFTU-1100-75-600 TUBE FURNACE



SPECIFICATIONS

Model	BFTU-1100-75-600
Maximum Temperature	1100°C
Working Temperature	1100°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	75 mm
Heated Zone Length	600 mm
±10°C Homogeneous Heated Zone Length	200 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	810 mm
Outer Dimension (WxDxH)	794x449x529 mm
Gross Dimensions (WxDxH)	835x495x688 mm
Net Weight	46 Kg
Gross Weight	56 Kg
Tube Length*	920 mm
Outer Dimension (WxDxH)*	944x449x529 mm
Gross Dimensions (WxDxH)*	1035x495x688 mm
Net Weight*	54 Kg
Gross Weight*	64 Kg
Gas Connection	Optional
Power	2500 W
Maximum Current	12:00 AM
Power Supply	220V / 50Hz
Note	Range of different tube dimensions available

1200 TUBE FURNACE



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SPECIFICATIONS

Model	BFTU-1200-100-800	BFTU-1200-20-250	BFTU-1200-50-600
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	20 mm	50 mm
Heated Zone Length	800 mm	250 mm	600 mm
±10°C Homogeneous Heated Zone Length	267 mm	84 mm	200 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	420 mm	810 mm
Outer Dimension (WxDxH)	994x497x568 mm	424x315x420 mm	784x384x476 mm
Gross Dimensions (WxDxH)	1035x543x727 mm	470x361x579 mm	825x430x635 mm
Net Weight	67 Kg	14 Kg	35 Kg
Gross Weight	79 Kg	20 Kg	44 Kg
Tube Length*	1120 mm	530 mm	920 mm
Outer Dimension (WxDxH)*	1194x497x568 mm	604x315x420 mm	974x384x476 mm
Gross Dimensions (WxDxH)*	1235x543x727 mm	650x361x579 mm	1015x430x635 mm
Net Weight*	77 Kg	19 Kg	42 Kg
Gross Weight*	90 Kg	26 Kg	51 Kg
Gas Connection	Optional		
Power	3500 W	1100 W	1700 W
Maximum Current	16 A	5:00 AM	8:00 AM
Power Supply	220V / 50Hz		
Note	Range of different tube dimensions available		



BFTU-1200-100-800



BFTU-1200-20-250



BFTU-1200-50-600

1300 TUBE FURNACE



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SPECIFICATIONS

Model	BFTU-1300-100-800	BFTU-1300-20-250	BFTU-1300-50-600
Maximum Temperature	1300°C		
Working Temperature	1300°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	20 mm	50 mm
Heated Zone Length	800 mm	250 mm	600 mm
±10°C Homogeneous Heated Zone Length	267 mm	84 mm	200 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		
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Net Weight*	77 Kg	19 Kg	42 Kg
Gross Weight*	90 Kg	26 Kg	51 Kg
Gas Connection	Optional		
Power	3500 W	1100 W	1700 W
Maximum Current	16 A	5:00 AM	8:00 AM
Power Supply	220V / 50Hz		
Note	Range of different tube dimensions available		



BFTU-1300-100-800



BFTU-1300-20-250



BFTU-1300-50-600



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