



TUBE FURNACE

TUBE FURNACE BFX111 TO BFX1110

STANDARD TUBE FURNACES



- In need of homogeneous temperature distribution or reliable gas protective atmosphere tube furnaces are the best solution.
- Specifically engineered for absolute accuracy of temperature measurement.
- Optional gas inlet and purge systems for protective gas atmosphere.
- Thermal shock resistant tubes.
- Precise temperature control for a wide range of working temperatures.
- $\pm 1^\circ\text{C}$ control accuracy
- Ideal for a variety of applications.
- Thanks to the SSR driven duty cycle control algorithm, accurate temperature control.
- The 4 line display with the menu makes it easy to use.
- Optional gas connection gas flanges.

SPECIFICATIONS

Model	BFX111	BFX112	BFX113	BFX114	BFX115
Old Model	BFTU-1300-20-25 0	BFTU-1300-38-45 0	BFTU-1300-50-30 0	BFTU-1300-50-45 0	BFTU-1300-50-60 0
Working Temperature	1300 °C				
Tube Inner Diameter(mm)	20	38	50		
Hot Zone Length (mm)	250	450	300	450	600
±10°C Homogeneous Hot Zone Length [mm]	84	150	100	150	200
Tube Length [mm]	420	660	510	660	810
Product Outer Dimensions [mm] WxDxH	W424 D315 H464	W634 D369 H464	W484 D384 H476	W634 D384 H476	W784 D384 H476
Net Weight [kg]	14	27	23	29	35
Gross Dimensions [mm] WxLxD	W470 D361 H579	W675 D420 H635	W525 D403 H635	W675 D430 H635	W825 D430 H635
Gross Weight [kg]	20	35	30	37	44
Tube Length With GS [mm]	530	770	620	770	920
Product Outer Dimensions With GS [mm] WxDxH	W604 D315 H420	W824 D369 H464	W674 D384 H476	W824 D384 H476	W974 D449 H529
Net Weight With GS [kg]	19	33	29	35	42
Gross Dimensions With GS [mm] WxLxD	W650 D361 H579	W865 D420 H635	W765 D403 H635	W865 D430 H635	W1015 D495 H688
Gross Weight With GS [kg]	26	41	37	43	51
Power [W]	1100	1350		1500	1700
Max. Current [A]	5	7			8
Heating Element	Fe-Cr-Al				
Thermocouple Type	K Type				
Inner Insulation Material	Ceramic Fibre Blanket				
Housing Material	Steel Sheet				
Housing Coating	Epoxy powder coating				

Software	BASIC B2
Software based PID Control	YES
Display	4 lines
Heating Program with	4 steps
Custom Preset Program	2
Heating Rate °C/min.	1-20
Date & Time	YES
Auto Start at Certain Date	NO
Show Remaining Waiting Time	NO
Skip the Waiting Step	NO
Temperature Calibration via Menu (±10°C)	NO
Sound Warnings at Step Changes	YES
Sound Warning at the End of the Program	YES
Total Working Hour Counter	YES
Calculator for Average Working Temperature	YES
Instantaneous Energy Consumption Indicator	NO
Over Heating Cut Off	YES
Open Door Sensor	OPTIONAL
PC Connection Kit	OPTIONAL
Warranty Period	2 Years
Note	* Only 5th memory supports 32 levels **Independent for each level
Alt Name	Standard Tube Furnaces

Model	BFX1I6	BFX1I7	BFX1I8	BFX1I9	BFX1I10
Old Model	BFTU-1300-75-450	BFTU-1300-75-600	BFTU-1300-75-800	BFTU-1300-100-500	BFTU-1300-100-800
Working Temperature	1300 °C				
Tube Inner Diameter(mm)	75			100	
Hot Zone Length (mm)	450	600	800	500	800
±10°C Homogeneous Hot Zone Length [mm]	150	200	267	167	267
Tube Length [mm]	660	810	1010	710	1010
Product Outer Dimensions [mm] WxDxH	W644 D449 H529	W794 D449 H529	W994 D449 H529	W694 D497 H568	W994 D497 H568
Net Weight [kg]	38	46	57	48	67
Gross Dimensions [mm] WxLxD	W685 D495 H688	W835 D495 H688	W985 D495 H688	W735 D543 H727	W1035 D543 H727
Gross Weight [kg]	47	56	68	58	79
Tube Length With GS [mm]	770	920	1120	820	1120

Product Outer Dimensions With GS [mm] WxDxH	W844 D449 H529	W994 D449 H529	W1144 D449 H529	W894 D497 H568	W1194 D497 H568
Net Weight With GS [kg]	46	54	65	57	77
Gross Dimensions With GS [mm] WxLxD	W885 D495 H688	W1035 D495 H688	W1185 D543 H727	W935 D543 H727	W1235 D543 H727
Gross Weight With GS [kg]	56	64	77	68	90
Power [W]	2000	2500	2800	3000	3500
Max. Current [A]	10	12	13	14	16
Heating Element	Fe-Cr-Al				
Thermocouple Type	K Type				
Inner Insulation Material	Ceramic Fibre Blanket				
Housing Material	Steel Sheet				
Housing Coating	Epoxy powder coating				
Software	BASIC B2				
Software based PID Control	YES				
Display	4 lines				
Heating Program with	4 steps				
Custom Preset Program	2				
Heating Rate °C/min.	1-20				
Date & Time	YES				
Auto Start at Certain Date	NO				
Show Remaining Waiting Time	NO				
Skip the Waiting Step	NO				
Temperature Calibration via Menu (±10°C)	NO				
Sound Warnings at Step Changes	YES				
Sound Warning at the End of the Program	YES				
Total Working Hour Counter	YES				
Calculator for Average Working Temperature	YES				
Instantaneous Energy Consumption Indicator	NO				
Over Heating Cut Off	YES				
Open Door Sensor	OPTIONAL				
PC Connection Kit	OPTIONAL				
Warranty Period	2 Years				
Note	* Only 5th memory supports 32 levels **Independent for each level				
Alt Name	Standard Tube Furnaces				



TUBE FURNACE BFX1G1 TO BFX1G10

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- Optional gas inlet and purge systems for protective gas atmosphere.
- Thermal shock resistant tubes.
- Precise temperature control for a wide range of working temperatures.
- $\pm 1^\circ\text{C}$ control accuracy
- Ideal for a variety of applications.
- Thanks to the SSR driven duty cycle control algorithm, accurate temperature control.
- The 4 line display with the menu makes it easy to use.
- Optional gas connection gas flanges.

SPECIFICATIONS

Model	BFX1G1	BFX1G2	BFX1G3	BFX1G4	BFX1G5
Old Model	BFTU-1100-20-25 0	BFTU-1100-38-45 0	BFTU-1100-50-30 0	BFTU-1100-50-45 0	BFTU-1100-50-60 0
Working Temperature	1100 °C				
Tube Inner Diameter(mm)	20	38	50		
Hot Zone Length (mm)	250	450	300	450	600
$\pm 10^\circ\text{C}$ Homogeneous Hot Zone Length [mm]	84	150	100	150	195
Tube Length [mm]	420	660	510	660	810
Product Outer Dimensions [mm] WxDxH	W424 D315 H420	W634 D369 H464	W484 D364 H436	W784 D384 H476	W644 D384 H476
Net Weight [kg]	14	27	23	29	35
Gross Dimensions [mm] WxLxD	W470 D361 H579	W675 D420 H635	W525 D403 H635	W825 D430 H635	W685 D430 H688
Gross Weight [kg]	20	35	31	37	44
Tube Length With GS [mm]	530	770	570	770	920
Product Outer Dimensions With GS [mm] WxDxH	W604 D315 H420	W824 D369 H464	W644 D384 H436	W824 D384 H476	W844 D449 H529
Net Weight With GS [kg]	19	33	27	35	42

Gross Dimensions With GS [mm] WxLxD	W650 D361 H579	W865 D420 H635	W715 D403 H635	W865 D430 H635	W885 D495 H688
Gross Weight With GS [kg]	26	41	37	43	51
Power [W]	1100	1350		1500	1700
Max. Current [A]	5	7			8
Heating Element	Fe-Cr-Al				
Thermocouple Type	K Type				
Inner Insulation Material	Ceramic Fibre Blanket				
Housing Material	Steel Sheet				
Housing Coating	Epoxy powder coating				
Software	BASIC B2				
Software based PID Control	YES				
Display	4 lines				
Heating Program with	4 steps				
Custom Preset Program	2				
Heating Rate °C/min.	1-20				
Date & Time	YES				
Auto Start at Certain Date	NO				
Show Remaining Waiting Time	NO				
Skip the Waiting Step	NO				
Temperature Calibration via Menu (±10°C)	NO				
Sound Warnings at Step Changes	YES				
Sound Warning at the End of the Program	YES				
Total Working Hour Counter	YES				
Calculator for Average Working Temperature	YES				
Instantaneous Energy Consumption Indicator	NO				
Over Heating Cut Off	YES				
Open Door Sensor	OPTIONAL				
PC Connection Kit	OPTIONAL				
Warranty Period	2 Years				
Note	* Only 5th memory supports 32 levels **Independent for each level				
Alt Name	Standard Tube Furnaces				
Model	BFX1G6	BFX1G7	BFX1G8	BFX1G9	BFX1G10
Old Model	BFTU-1100-75-450	BFTU-1100-75-600	BFTU-1100-75-800	BFTU-1100-100-500	BFTU-1100-100-800
Working Temperature	1100 °C				
Tube Inner Diameter(mm)	75			100	
Hot Zone Length (mm)	450	600	800	500	800

±10°C Homogeneous Hot Zone Length [mm]	150	200	267	167	267
Tube Length [mm]	660	810	1010	710	1010
Product Outer Dimensions [mm] WxDxH	W794 D449 H529		W994 D449 H529	W694 D497 H568	W1035 D543 H727
Net Weight [kg]	38	46	57	48	67
Gross Dimensions [mm] WxLxD	W835 D495 H688		W985 D543 H688	W735 D543 H727	W1035 D543 H727
Gross Weight [kg]	47	56	68	58	79
Tube Length With GS [mm]	770	920	1120	820	1120
Product Outer Dimensions With GS [mm] WxDxH	W994 D449 H529		W1144 D449 H529	W894 D497 H568	W1194 D497 H568
Net Weight With GS [kg]	46	54	65	57	77
Gross Dimensions With GS [mm] WxLxD	W1035 D495 H688		W1185 D543 H727	W935 D543 H727	W1235 D543 H727
Gross Weight With GS [kg]	56	64	77	68	90
Power [W]	2000	2500	2800	3000	3500
Max. Current [A]	10	12	13	14	16
Heating Element	Fe-Cr-Al				
Thermocouple Type	K Type				
Inner Insulation Material	Ceramic Fibre Blanket				
Housing Material	Steel Sheet				
Housing Coating	Epoxy powder coating				
Software	BASIC B2				
Software based PID Control	YES				
Display	4 lines				
Heating Program with	4 steps				
Custom Preset Program	2				
Heating Rate °C/min.	1-20				
Date & Time	YES				
Auto Start at Certain Date	NO				
Show Remaining Waiting Time	NO				
Skip the Waiting Step	NO				
Temperature Calibration via Menu (±10°C)	NO				
Sound Warnings at Step Changes	YES				
Sound Warning at the End of the Program	YES				
Total Working Hour Counter	YES				

Calculator for Average Working Temperature	YES
Instantaneous Energy Consumption Indicator	NO
Over Heating Cut Off	YES
Open Door Sensor	OPTIONAL
PC Connection Kit	OPTIONAL
Warranty Period	2 Years
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SPECIFICATIONS

Model	BFX1H1	BFX1H2	BFX1H3	BFX1H4	BFX1H5
Old Model	BFTU-1200-20-25 0	BFTU-1200-38-45 0	BFTU-1200-50-30 0	BFTU-1200-50-45 0	BFTU-1200-50-60 0
Working Temperature	1200 °C				
Tube Inner Diameter(mm)	20	38	50		
Hot Zone Length (mm)	250	450	300	450	600
$\pm 10^{\circ}\text{C}$ Homogeneous Hot Zone Length [mm]	84	150	100	150	195
Tube Length [mm]	420	660	510	660	810
Product Outer Dimensions [mm] WxDxH	W424 D315 H464	W634 D369 H464	W484 D364 H436	W784 D384 H476	W644 D384 H476

Net Weight [kg]	14	27	23	29	35
Gross Dimensions [mm] WxLxD	W470 D361 H579	W675 D420 H635	W525 D403 H635	W675 D430 H635	W685 D430 H688
Gross Weight [kg]	20	35	30	37	44
Tube Length With GS [mm]	530	770	620	770	920
Product Outer Dimensions With GS [mm] WxDxH	W604 D315 H420	W824 D369 H464	W644 D384 H476	W824 D384 H476	W974 D449 H529
Net Weight With GS [kg]	19	33	29	35	42
Gross Dimensions With GS [mm] WxLxD	W650 D361 H579	W865 D420 H635	W715 D403 H635	W865 D430 H635	W1015 D495 H688
Gross Weight With GS [kg]	26	41	37	43	51
Power [W]	1100	1350		1500	1700
Max. Current [A]	5	7			8
Heating Element	Fe-Cr-Al				
Thermocouple Type	K Type				
Inner Insulation Material	Ceramic Fibre Blanket				
Housing Material	Steel Sheet				
Housing Coating	Epoxy powder coating				
Software	BASIC B2				
Software based PID Control	YES				
Display	4 lines				
Heating Program with	4 steps				
Custom Preset Program	2				
Heating Rate °C/min.	1-20				
Date & Time	YES				
Auto Start at Certain Date	NO				
Show Remaining Waiting Time	NO				
Skip the Waiting Step	NO				
Temperature Calibration via Menu (±10°C)	NO				
Sound Warnings at Step Changes	YES				
Sound Warning at the End of the Program	YES				
Total Working Hour Counter	YES				
Calculator for Average Working Temperature	YES				
Instantaneous Energy Consumption Indicator	NO				
Over Heating Cut Off	YES				
Open Door Sensor	OPTIONAL				
PC Connection Kit	OPTIONAL				
Warranty Period	2 Years				
Note	* Only 5th memory supports 32 levels **Independent for each level				
Alt Name	Standard Tube Furnaces				

Model	BFX1H6	BFX1H7	BFX1H8	BFX1H9	BFX1H10
Old Model	BFTU-1200-75-450	BFTU-1200-75-600	BFTU-1200-75-800	BFTU-1200-100-500	BFTU-1200-100-800
Working Temperature	1200 °C				
Tube Inner Diameter(mm)	75			100	
Hot Zone Length (mm)	450	600	800	500	800
±10°C Homogeneous Hot Zone Length [mm]	150	200	267	167	267
Tube Length [mm]	660	810	1010	710	1010
Product Outer Dimensions [mm] WxDxH	W794 D449 H529		W994 D449 H529	W694 D497 H568	W994 D497 H568
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Software	BASIC B2				
Software based PID Control	YES				
Display	4 lines				
Heating Program with	4 steps				
Custom Preset Program	2				
Heating Rate °C/min.	1-20				
Date & Time	YES				
Auto Start at Certain Date	NO				
Show Remaining Waiting Time	NO				
Skip the Waiting Step	NO				

Temperature Calibration via Menu ($\pm 10^{\circ}\text{C}$)	NO
Sound Warnings at Step Changes	YES
Sound Warning at the End of the Program	YES
Total Working Hour Counter	YES
Calculator for Average Working Temperature	YES
Instantaneous Energy Consumption Indicator	NO
Over Heating Cut Off	YES
Open Door Sensor	OPTIONAL
PC Connection Kit	OPTIONAL
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