



## TUBE FURNACE BFX1G10 (BFTU-1100-100-800)

# TUBE FURNACE BFX1G10

## 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                                                   | BFX1G10               |
| Old Model                                               | BFTU-1100-100-800     |
| Working Temperature                                     | 1100 °C               |
| Tube Inner Diameter(mm)                                 | 100                   |
| Hot Zone Length (mm)                                    | 800                   |
| $\pm 10^\circ\text{C}$ Homogeneous Hot Zone Length [mm] | 267                   |
| Tube Length [mm]                                        | 1010                  |
| Product Outer Dimensions [mm] WxDxH                     | W1035 D543 H727       |
| Net Weight [kg]                                         | 67                    |
| Gross Dimensions [mm] WxLxD                             | W1035 D543 H727       |
| Gross Weight [kg]                                       | 79                    |
| Tube Length With GS [mm]                                | 1120                  |
| Product Outer Dimensions With GS [mm] WxDxH             | W1194 D497 H568       |
| Net Weight With GS [kg]                                 | 77                    |
| Gross Dimensions With GS [mm] WxLxD                     | W1235 D543 H727       |
| Gross Weight With GS [kg]                               | 90                    |
| Power [W]                                               | 3500                  |
| Max. Current [A]                                        | 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 ( $\pm 10^{\circ}\text{C}$ ) | 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                                                          |
| Warranty Period                                               | 2 Years                                                           |
| Note                                                          | * Only 5th memory supports 32 levels **Independent for each level |
| Alt Name                                                      | Standard Tube Furnaces                                            |



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