



TUBE FURNACE BFTU-1100-50-300

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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.
- ± 1 °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 | BFTU-1100-50-300 |
|--|-----------------------|
| Working Temperature | 1100 °C |
| Tube Inner Diameter(mm) | 50 |
| Hot Zone Length (mm) | 300 |
| ± 10 °C Homogeneous Hot Zone Length [mm] | 100 |
| Tube Length [mm] | 510 |
| Product Outer Dimensions [mm] WxDxH | W484 D364 H436 |
| Net Weight [kg] | 23 |
| Gross Dimensions [mm] WxLxD | W525 D403 H635 |
| Gross Weight [kg] | 31 |
| Tube Length With GS [mm] | 570 |
| Product Outer Dimensions With GS [mm] WxDxH | W644 D384 H436 |
| Net Weight With GS [kg] | 27 |
| Gross Dimensions With GS [mm] WxLxD | W715 D403 H635 |
| Gross Weight With GS [kg] | 37 |
| Power [W] | 1350 |
| Max. Current [A] | 7 |
| 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 |

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|---|---|
| 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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