

## Thermo Scientific Lindberg/Blue M 1500°C General-Purpose Tube Furnaces

**Integral temperature control designed for a range of applications which require processing flexibility with fast heatup and recovery**



- Energy-efficient Moldatherm insulation increases temperature uniformity, improves energy efficiency and helps to maintain low exterior cabinet temperatures during operation
- Accommodate 1in., 2in. and 3in. O.D. process tubes (customer supplied)
- Silicon carbide heating elements positioned above and below tube works with Type “R” thermocouple to stabilize temperature
- Integral microprocessor-based PID programmable control (proportional, integral, derivative) prevents overshoot
- Available with Single Program/Multiple Segment or Multiple Program/Multiple Segment Programmable Controller
- Program(s) and segment(s) for ramp (up and down) and dwell (timed hold) temperature control
- Adjustable high limit over-temperature protection
- Simultaneous LED display of actual temperature vs. setpoint
- Temperature display in °C or °F
- Optional Over-temperature Control (OTC) on Multi-Program/Multi-Segment model

**Ordering information:** Optional RS485 Digital Communications Port allows controller to be connected to a PC for remote monitoring and control of the furnace; up to 30 units can be connected to one PC. Required power cord, hardwiring and interconnecting wiring are not included. For information on process tubes contact your process tube supplier

**Includes:** 1 set of two 2” tube adapters

**Warranty<sup>Y</sup>:** 1 year (parts and labor)

**NOT AVAILABLE IN EUROPE**

Cat. No.	Type	Temperature Range	Heated Zone	Exterior L x W x H	Tube O.D.	Electrical	Shipping Weight
<b>STF55433C-1</b>	Multisegment (16)/single program	500° to 1500°C	30.5cm (12in.)	33.0 x 53.3 x 30.5cm (13 x 21 x 12in.)	2.54 to 7.62cm (1 to 3in.)	208/240V 50/60Hz	123kg (270 lb.)
<b>STF55433PC-1</b>	Multisegment (up to 99 segments)/ multiprogram	500° to 1500°C	30.5cm (12in.)	43.2 x 58.4 x 40.6cm (17 x 23 x 16in.)	2.54 to 7.62cm (1 to 3in.)	208/240V 50/60Hz	123kg (270 lb.)
<b>STF55433PBC-1</b>	Multisegment (up to 99 segments) multiprogram/OTC	500° to 1500°C	30.5cm (12in.)	43.2 x 58.4 x 40.6cm (17 x 23 x 16in.)	2.54 to 7.62cm (1 to 3in.)	208/240V 50/60Hz	123kg (270 lb.)

To add RS-485 Digital Communications Port to Furnace model, add “COM” before last letter in cat.no. – e.g., STF55433COMC-1

### Accessories — Tube Adapters

Cat. No.	Description	For Use with
<b>7100-2444-070</b>	2.5cm (1in.)	STF55433C-1, STF55433PC-1, STF55433PBC-1
<b>7100-2444-068</b>	5cm (2in.)	STF55433C-1, STF55433PC-1, STF55433PBC-1
<b>7100-2444-069</b>	7.6cm (3in.)	STF55433C-1, STF55433PC-1, STF55433PBC-1