# 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
- Adjustable high limit over-temperature protection

- Simultaneous LED display of actual temperature vs. setpoint
- Temperature display in °C or °F

**Control options**

- B, C
- Optional Over Temperature Control (OTC) available on Multi Program/Multi Segment model (C)
- See page 7 for details

## APPLICATIONS

- Heat treatment
- Sintering
- Annealing
- Atmosphere processing
- Melting
- Fusing

| Cat. No. | Control | Temperature Range | Heated Zone | Exterior L x W x H | Tube O.D. | Electrical | Shipping Weight | Plug Type |
|---|---|---|---|---|---|---|---|---|
| **STF55433C-1** | B | 500° to 1500°C | 30.5cm (12in.) | 48.3 x 58.4 x 43.2cm (19 x 23 x 17in.) | 2.54 to 7.62cm (1 to 3in.) | 208/240V 50/60Hz 6000w; 25A | 123kg (270 lb.) | no plug, no cable, requires hardwiring |
| **STF55433PC-1** | C | 500° to 1500°C | 30.5cm (12in.) | 48.3 x 58.4 x 43.2cm (19 x 23 x 17in.) | 2.54 to 7.62cm (1 to 3in.) | 208/240V 50/60Hz; 6000w; 25A | 123kg (270 lb.) | no plug, no cable, requires hardwiring |
| **STF55433PBC-1** | C, OTC | 500° to 1500°C | 30.5cm (12in.) | 48.3 x 58.4 x 43.2cm (19x23x17in.) | 2.54 to 7.62cm (1 to 3in.) | 208/240V 50/60Hz; 6000w; 25A | 123kg (270 lb.) | no plug, no cable, requires hardwiring |

To add RS-485 Digital Communications Port to Furnace model, add "**COM**" before last letter in cat.no. – e.g., STF55433**COM**C-1

## Accessories — Tube Adapters

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

Note: Tube adapters sold individually (not as sets).

**Ordering information:** 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**ᵞ: 1 year (parts and labor)