

1500°C General-Purpose Tube Furnace

The Lindberg/MPH 1500°C general-purpose tube furnace is designed with integral temperature control for a range of applications which require processing flexibility with fast heatup and recovery.

Features

- Temperature display in °C or °F
- Energy-efficient Moldatherm insulation increases temperature uniformity, improves energy efficiency and helps to maintain low exterior cabinet temperatures during operation
- Accommodate 1", 2" and 3" 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 overtemperature protection
- Simultaneous LED display of actual temperature vs. setpoint

Control Options

- Optional Over Temperature protection Control (OTC is available on models with "B" Designation)
- Optional Multi Segment Programmable Control available on models with "P" Designation



Applications

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

Model	Temperature Range	Heating Zone	Outside Dia. (Tube)	Overall	Control	Electrical	Shipping Weight	Plug Type
				L x W x H				
STF55433C-1	500° to 1500°C	30.5 cm (12 in)	2.54 to 7.62 cm (1 to 3 in)	48.3 x 58.4 x 43.2 cm (19x23x17 in)	B	208/240 V, 50/60 Hz 6000 W, 25 A	123 kg (270 lb.)	N/A
STF55433PC-1	500° to 1500°C	30.5 cm (12 in)	2.54 to 7.62 cm (1 to 3 in)	48.3 x 58.4 x 43.2 cm (19x23x17 in)	C	208/240 V, 50/60 Hz 6000 W, 25 A	123 kg (270 lb.)	N/A
STF55433PBC-1	500° to 1500°C	30.5 cm (12 in)	2.54 to 7.62 cm (1 to 3 in)	48.3 x 58.4 x 43.2 cm (19x23x17 in)	C, OTC	208/240 V, 50/60 Hz 6000 W, 25 A	123 kg (270 lb.)	N/A

All specifications are subject to change without notice.

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

Part Number	Description	For Use with
7100-2444-070	2.5 cm (1 in)	STF55433C-1, STF55433PC-1, STF55433PBC-1
7100-2444-068	5 cm (2 in)	STF55433C-1, STF55433PC-1, STF55433PBC-1
7100-2444-069	7.6 cm (3 in)	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:** 1 year (parts and labor)



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