

Thermo Scientific Lindberg/Blue M 1200 °C split-hinge tube furnaces and controllers

For ease of observation and operation and configurable for horizontal or vertical use

- Moldatherm LGO heating element modules for excellent radial and linear temperature uniformity and fast heatup and cooldown
 - Long-life, energy-efficient elements require little or no maintenance
 - Unique cabinet design achieves lower exterior surface temperature
 - Heat-reflecting element support assembly creates two highly effective insulating air spaces
 - Compact cabinet with high temperature-resistant painted finish
 - Accepts interchangeable Moldatherm tube adapters
 - Long-life Platinel II thermocouple(s) with 10ft. compensated lead wire and polarized plug
- Three zone models**
- Three independent power circuits (zones) with independent thermocouples for control references
 - Full adjustment of each zone over entire operating range to 1200 °C
 - Center zone uniformity achieved and operating length maximized through adjustable profiling of end zones by independent controller
 - Temperature uniformity achieved with independent setpoint of end zones higher or lower than center



Control consoles

- Fully wired, control choices: A, B, select models with adjustable over-temperature control and/or RS485 data port
- See page 32 for details

Applications

- Annealing
- Crystal growing
- Calibration
- Heat treatment

Cat. No.	Controller (Please order separately)	Temperature Range	Heated Zone	Exterior L x W x H	Tube O.D.	Electrical	Shipping Weight	Plug Type
Single Zone								
HTF55122A	Independent CC58114A	100° to 1200 °C	30.5 cm (12 in)	33.0 x 53.3 x 30.5 cm (13 x 21 x 12 in)	1.9 to 2.54 cm (0.75 to 1 in)	120 V, 50/60 Hz 1300 W, 11 A	28 kg (60 Lb.)	No plug, no cable, requires hardwiring
HTF55322A	Independent CC58114A	100° to 1200 °C	30.5 cm (12 in)	43.2 x 58.4 x 40.6 cm (17 x 23 x 16 in)	2.54 to 7.62 cm (1 to 3 in)	120 V, 50/60 Hz 2670 W, 23 A	55 kg (120 Lb.)	No plug, no cable, requires hardwiring
HTF55322C	Independent CC58114C	100° to 1200 °C	30.5 cm (12 in)	43.2 x 58.4 x 40.6 cm (17 x 23 x 16 in)	2.54 to 7.62 cm (1 to 3 in)	208/240 V, 50/60 Hz 2670 W, 12 A	55 kg (120 Lb.)	No plug, no cable, requires hardwiring
HTF55342C	Independent CC58114C	100° to 1200 °C	61.0 cm (24 in)	43.2 x 88.9 x 40.6 cm (17 x 35 x 16 in)	2.54 to 7.62 cm (1 to 3 in)	208/240 V, 50/60 Hz 5400 W, 23 A	80 kg (175 Lb.)	No plug, no cable, requires hardwiring
Three Zone								
HTF55347C	Independent CC58434C	100° to 1200 °C	61.0 cm (24 in)	43.2 x 88.9 x 40.6 cm (17 x 35 x 16 in)	2.54 to 7.62 cm (1 to 3 in)	208/240 V, 50/60 Hz 5100 W, 22 A	89 kg (195 Lb.)	No plug, no cable, requires hardwiring
HTF55667C	Independent CC58434C	100° to 1200 °C	91.4 cm (36 in)	53.3 x 124.5 x 50.8 cm (21 x 49 x 20 in)	76.2 to 15.24 cm (3 to 6 in)	208/240 V, 50/60 Hz 11200 W, 47 A	141 kg (310 Lb.)	No plug, no cable, requires hardwiring

Accessories

Cat. No.	Description	For Use with
59510	0.75 in adapter	HTF55122 tube furnace
59511	1 in adapter	HTF55122 tube furnace
59521	1 in adapter	HTF55322, HTF55342, HTF55347 tube furnaces
59522	1.5 in adapter	HTF55322, HTF55342, HTF55347 tube furnaces
59523	2 in adapter	HTF55322, HTF55342, HTF55347 tube furnaces
59524	2.5 in adapter	HTF55322, HTF55342, HTF55347 tube furnaces
59525	3 in adapter	HTF55322, HTF55342, HTF55347 tube furnaces
59535TA	3 in adapter	HTF55667 tube furnace
59536TA	4 in adapter	HTF55667 tube furnace
59537TA	5 in adapter	HTF55667 tube furnace
59538TA	6 in adapter	HTF55667 tube furnace
59539TA	Blank (solid) adapter	HTF55667 tube furnace
59519	Blank (solid) adapter	HTF55122 tube furnace
59529	Blank (solid) adapter	HTF55322, HTF55342, HTF55347 tube furnaces
VFS551	floor stand, vertical	HTF55112A -1 tube furnace
VFS553	floor stand, vertical	HTF55322A -1, HTF55322C, HTF55342C -1, HTF55667C -1 and HTF55347C -1 tube furnaces
VFS556	floor stand, vertical	HTF55667C -1 tube furnace

Tube adapters prevent heat loss and improve temperature uniformity within the furnace chamber by insulating the end vestibules.

One set of (2) included with furnace:

- Model HTF55122A, (2) 1" dia. adapters; Models HTF55322A/C, (2) 2" dia. adapters
- Model HTF55342C, (2) 3" dia. adapters
- Model HTF55347C, (2) 3" dia. adapters
- Model HTF55667C, (2) 3" dia. adapters

Required process tube not included.

For information on process tubes contact your process tube supplier.

Ordering information: Independent digital temperature control module (ordered separately) is available in standard or programmable options (see next page).

Warranty*: 1 year (parts and labor)