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LINDBERG/MPH

1200°C Small Tube Furnace



Our 1200°C Small Tube Furnace is easily operational, has an energy efficient design, fast cooling and rapid heat-up and response time. This unit offers superior radial and linear temperature uniformity and requires little or no maintenance. There are a variety of furnace sizes.

Single Zone Model Features

- Patented Moldatherm® LGOTM heating element modules
- Accepts interchangeable Moldatherm® tube adapters
- Long-life Platinel® II thermocouple(s) with 10TM compensated lead wire and polarized plug
- Split hinge design
- Temperature - 1200°C (2192°F) Maximum
- Bore Sizes
  - 12" heated length bored for 3/4" & 1" OD process tube
  - 36" heated length bored for 3"-6" OD process tube.

Three Zone Model Features

- Three independent power circuits (zones) with independent thermocouples for control reference
- Full adjustment of each zone over entire operating range to 1200°C
- Independent setpoint of end zones higher or lower than center
- Center zone uniformity achieved and operating length maximized
- Temperature - 1200°C (2192°F) Maximum
- Bore Sizes
  - 12" heated length bored for 3/4" & 1" OD process tube
  - 36" heated length bored for 3"-6" OD process tube.

1200°C Small Tube Furnace - SINGLE ZONE								
Model	Heated Length inches (cm)	Wattage	Voltage	Overall Dimensions inches (cm)	Bore Diameter inches (cm)	Use with Control Model	Use with Vertical Stand	Shipping Weight lbs.
55122	12 (30.5)	1,330	120	13x12x21 (32.5x30.5x53.3)	3/4 and 1 (1.9 and 2.5)	58114	551-VFS	60
55322	12 (30.5)	2,675	120,240	17x16x23 (43.2x40.6x58.4)	1 to 3 (2.5 to 7.6)	58114	553-VFS	120
55332	18 (45.7)	4,240	240	17x16x29 (43.2x40.6x73.7)	1 to 3 (2.5 to 7.6)	58114	553-VFS	150
55342	24 (61)	5,440	240	17x16x35 (43.2x40.6x88.9)	1 to 3 (2.5 to 7.6)	58114	553-VFS	175
55642	24 (61)	8,710	240	21x20x37 (53.3x50.8x94)	3 to 6 (7.6 to 15.2)	58124	556-VFS	285
55662	36 (91.4)	12,194	240	21x20x49 (53.3x50.8x124.5)	3 to 6 (7.6 to 15.2)	58124	556-VFS	380

1200°C Small Tube Furnace - THREE ZONE									
Model	Heated Length inches (cm)	Zone Length inches (cm)	Wattage	Voltage	Overall Dimensions inches (cm)	Bore Diameter inches (cm)	Use with Control Model	Use with Vertical Stand	Shipping Weight lbs.
55347	24 (61)	8-8-8 (20.3-20.3-20.3)	5,355	240	17x16x35 (43.2x40.6x88.9)	1 to 3 (2.5 to 7.6)	58434	553-VFS	175
55367	36 (91.4)	12-12-12 (30.5-30.5-30.5)	8,025	240	17x16x47 (43.2x40.6x119.4)	1 to 3 (2.5 to 7.6)	58434	553-VFS	235
55647	24 (61)	8-8-8 (20.3-20.3-20.3)	7,840	240	21x20x37 (53.3x50.8x94)	3 to 6 (7.6 to 15.2)	58434	556-VFS	285
55667	36 (91.4)	12-12-12 (30.5-30.5-30.5)	11,760	240	21x20x49 (53.3x50.8x124.5)	3 to 6 (7.6 to 15.2)	58434	556-VFS	380

All specifications are subject to change without notice.

TPS
Lindberg/MPH is a brand of Thermal Product Solutions, LLC

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1200°C Small Tube Furnace



Options

- Digital communication kits allow modification and interrogation of all instrument control and configuration parameters from a remote computer using Lindberg/MPH provided SPECVIEW® software. Kits are available to interface with RS232 or RS422/485 communication ports
- Atmosphere retorts are available when controlled atmosphere processing is required
- Floor stand, for vertical installation. This option is required to support 55000 Series Tube Furnaces in a vertical configuration. Include all mounting hardware
- Inert and Combustible atmosphere admission systems

Moldatherm Tube Adapters Use With Process Tube OD	Furnace									
	55122	55322	55322	55432	55642	55662	55347	55367	55647	55667
Blank	59519	59529	59529	59529	59539	59539	59529	59529	59539	59539
3/4″	59510									
1″	59511	59521	59521	59521			59521	59521		
1.5″		59522	59522	59522			59522	59522		
2″		59523	59523	59523			59523	59523		
2.5″		59524	59524	59524			59524	59524		
3″		59525	59525	59525	59535	59535	59525	59525	59535	59535
4″					59536	59536			59536	59536
5″					59537	59537			59537	59537
6″					59538	59538			59538	59538
Kits					59539	59539			59539	59539

Model	58114	58124	58434
Preset TC Input	Platinel II	Platinel II	Platinel II
Preset Control Range	0-1200°C	0-1200°C	0-1200°C
Maximum Current/zone (Amps)	30	60	20-30-20
Voltage	208/240	208/240	208/240
Zones	1	1	3
Hertz	50/60	50/60	50/60
Overall Size HxWxD **inches (cm)**	10 x 14 x 19 (25.4 x 35.6 x 48.3)	10 x 14 x 19 (25.4 x 35.6 x 48.3)	14 x 17 x 19 (35.6 x 43.2 x 48.3)
Shipping Weight lbs.	30	30	60

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