

Thermo Scientific™ Lindberg™ Blue M™ Split-Hinge Tube Furnaces

Turn up the heat to 1200°C

- Ideal for annealing, crystal growing, calibration, and heat treating
- Designed for vertical or horizontal operation

Available in single- or three-zone models. The split-hinge design permits easy process tube installation, fast cooling, and overall ease of operation. These furnaces come equipped with energy-efficient Moldatherm® LGO™ heating elements that provide superior temperature uniformity, fast heat-up and cooldown and require little or no maintenance.

The heat-reflecting, element support assembly creates two highly effective insulating air spaces and the unique cabinet design helps keep the exterior surface temperature low. The three-zone models feature power circuits with three independent thermocouples and full adjustment of each zone over the entire operating range up to 1200°C. All models can be used with a variety of process tubes (sold separately on page 349) and come complete with one set of tube adapters.

All furnaces require an independent control module; sold separately below. Modules feature advanced microprocessor-based PID control (three on the three-zone), built-in adjustable overtemperature protection, and simultaneous LED display of actual temperature vs set point. You can also configure modules to display temperature in either Celsius or Fahrenheit.

What's included: one set of tube adapters.



33903-01



33903-03
Single-zone control module



33903-08
Three-zone control module



REQUIRED System Components

- 1) Furnace
- 2) Control module

1. Furnaces (required)

ISO9001:2008
CERTIFIED SUPPLIER

Temperature range	Zone lengths	Process tube OD	Overall dimensions (W x H x D)	Power		Shpg wt		Catalog number	Price
				VAC, Hz	Watts	lb	kg		
Single-zone furnaces									
100 to 1200°C (212 to 2192°F)	12" (30.5 cm)	0.75" to 1"	21" x 12" x 13" (53.4 x 30.5 x 33.1 cm)	120,	1330	60	28	GH-33903-11	
	12" (30.5 cm)	1" to 3"	23" x 16" x 17" (58.5 x 40.7 x 43.2 cm)	50/60	2675	120	55	GH-33903-01	
	12" (30.5 cm)	1" to 3"	23" x 16" x 17" (58.5 x 40.7 x 43.2 cm)	208/240,	2675	120	55	GH-33903-16	
	24" (61 cm)	1" to 3"	35" x 16" x 17" (89 x 40.7 x 43.2 cm)	50/60	5440	175	80	GH-33903-14	
Three-zone furnaces									
100 to 1200°C (212 to 2192°F)	8", 8", 8" (20.3, 20.3, 20.3 cm)	1" to 3"	35" x 16" x 17" (89 x 40.7 x 43.2 cm)	208/240,	5355	195	89	GH-33903-13	
	12", 12", 12" (30.9, 30.9, 30.9 cm)	3" to 6"	49" x 20" x 21" (124.5 x 50.8 x 53.3 cm)	50/60	11760	310	141	GH-33903-12	

2. Control Modules (required)

Description	Overall dimensions (W x H x D)	Power		Shpg wt		Catalog number	Price
		VAC, Hz	Max amps	lb	kg		
Single-zone control modules							
Single set point	14" x 10" x 19" (35.6 x 25.4 x 48.3 cm)	120, 50/60	30	40	19	GH-33903-03	
Single program, multiple segment programmable		208/240, 50/60				GH-33903-04	
		120, 50/60				GH-33903-06	
		208/240, 50/60				GH-33903-07	
Three-zone control modules							
Single set point for each zone	14" x 17" x 19" (35.6 x 43.2 x 48.3 cm)	208/240, 50/60	20, 30, 20	60	28	GH-33903-08	
Single program, multiple segment programmable for center zone		208/240, 50/60				GH-33903-09	
Single program, multiple segment programmable for all zones		208/240, 50/60				GH-33903-17	