



TPS
Thermal Product Solutions

»» Blue M

1200 °C Crucible Furnace

1200°C Large Diameter Tube Furnace

Designed for energy efficiency, the 1200°C Large Diameter Furnace offers exceptional radial and linear temperature uniformity as well as rapid heat-up and response. Its easy operation makes observation effortless and allows for convenient tube placement. Single zone models can be used with a variety of customer supplied process tubes.



► Features

- Single- and three-zone tube furnace models
- Process repeatability
- Single-zone models have two semi-cylindrical heating units
- Single-zone models have full length hinge and positive hatch
- Three-zone models have three independent power circuits
- Three-zone models have independent thermocouples
- Three-zone models have adjustable end zone profiling
- Temperature
 - 1200°C (2192°F) Maximum
- Bore Sizes
 - 24" heated length bored for 7" OD process tube - 36" heated length bored for 9" OD process tube

1200°C Large Dia Tube Furnace--Single Zone					
Model	Interior Dimensions WxH-BxH in. (cm)	Exterior Dimensions WxH-BxH in. (cm)	Watts	Control Console	Shipping Weight lbs. (kg)
54852	7 x 24 (17 x 61)	22 x 20 x 37.5 (55.9 x 50.8 x 95.3)	9,000	58124	380 (172)
54872	7 x 36 (17 x 91.4)	22 x 20 x 49.5 (55.9 x 50.8 x 125.7)	12,800	58124	510 (231)
54952	9 x 24 (22.9 x 61)	26 x 27 x 37.5 (55.9 x 68.6 x 95.3)	14,000	58124	520 (236)
54972	9 x 36 (22.9 x 91.4)	26 x 27 x 49.5 (55.9 x 68.6 x 125.7)	21,000	58174	700 (318)
1200°C Large Dia Tube Furnace--Three Zone					
54857	7 x 24 (17 x 61)	22 x 20 x 37.5 (55.9 x 50.8 x 95.3)	10,000	58434	380 (172)
54877	7 x 36 (17 x 91.4)	22 x 20 x 49.5 (55.9 x 50.8 x 125.7)	14,280	58434	510 (231)
54957	9 x 24 (22.9 x 61)	26 x 27 x 37.5 (55.9 x 68.6 x 95.3)	16,000	58474	520 (236)
54977	9 x 36 (22.9 x 91.4)	26 x 27 x 49.5 (55.9 x 68.6 x 125.7)	22,800	58474	700 (318)

Note: Power cord and hard wiring supplied by customer. All furnaces 208/240 Volt, single phase, 50/60 Hz.

Model	58124	58174	58434	58474
Preset TC Input	Platinel II	Platinel II	Platinel II	Platinel II
Preset Control Range	0-1200°C	0-1200°C	0-1200°C	0-1200°C
Maximum Amp Load	60	120	20-30-20	30-60-30
Voltage	208/240	208/240	208/240	208/240
Zones	1	1	3	3
Hertz	50/60	50/60	50/60	50/60
Overall Size (HxWxD in inches)	10 x 14 x 19 (25.4 x 35.6 x 48.3)	17 x 17 x 21 (43.2 x 43.2 x 53.3)	17 x 14 x 19 (43.2 x 35.6 x 48.3)	17 x 17 x 21 (43.2 x 43.2 x 53.3)
Shipping Weight (lbs.)	30	50	60	70

All specifications are subject to change without notice.

Options:

- Computer communications port
- Software
- Inert and combustible atmosphere admission systems
- Single-end and double-end retorts
- Programmable controller



Blue M, Gruenberg, Tenney

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