

Neytech Muffle Furnaces

Load samples easily and safely

- Vertical lift door directs heat away from user and saves counter space
- Heating elements slide out for quick replacement

All models feature fiber insulation in the chamber and firebrick insulation around the heating elements. The fiber insulation cools down fast while the firebrick provides longer life for the heating elements.

Single Set Point Control Furnaces have proportional temperature control and include an analog temperature indicator with 50°C/°F increments. **Three-Stage Programmable Furnaces** feature PID control with ten programs. Program link feature lets you run two three-stage programs sequentially. Use the seven-day delay to program the completion date and time.

Three-stage programmable model 33855-10



Specifications

Single Set Point Control Models

Operating temperature range: 200 to 1100°C

Temperature control accuracy: ±25°C

Three-Stage Programmable Control Models

Operating temperature range: 50 to 1100°C

Temperature control accuracy: ±5°C at steady state

Ramp rate: 0.1 to 40°C/min (negative ramp rate limited by natural cooling)

| Capacity cu in. (L) | Dimensions (W x H x D) | | Temperature uniformity | Rise time (to 1100°C) | Power | | Shpg wt | | Catalog number | Price | Repl. hearth plates | |
|--|--|--|------------------------|-----------------------|--|--------------|---------|----|----------------------------|-------|---------------------|-------|
| | Chamber | Overall | | | VAC, Hz | Watts | lb | kg | | | Cat. no. | Price |
| Furnaces with single set point control | | | | | | | | | | | | |
| 130 (2.13) | 5 ¹ / ₁₆ " x 4 ⁵ / ₁₆ " x 5 ³ / ₁₆ " (14.4 x 11.7 x 13.2 cm) | 11 ¹ / ₂ " x 13 ³ / ₁₆ " x 13" (29.2 x 35.1 x 33 cm) | ±8°C | 40 minutes | 100 to 120, 50/60 200 to 250, 50/60 | 1440 1060 | 33 | 15 | GH-33855-00 GH-33855-05 | | GH-33855-70 | |
| 550 (9.01) | 9" x 7" x 9" (22.9 x 17.8 x 22.9 cm) | 15 ³ / ₁₆ " x 16" x 17" (40.2 x 40.6 x 43.2 cm) | ±8°C | 90 minutes | 100 to 120, 50/60 200 to 250, 50/60 | 1920 2400 | 56 | 25 | GH-33855-20 GH-33855-25 | | GH-33855-71 | |
| 1750 | 14" x 10" x 12 ¹ / ₂ " (35.6 x 25.4 x 31.8 cm) | 24" x 21 ¹ / ₂ " x 21" (61 x 54.6 x 53.3 cm) | ±8°C | 45 minutes | 200 to 250, 50/60 | 4600 | 150 | 68 | GH-33855-45 | | GH-33855-72 | |
| Furnaces with three-stage programmable control | | | | | | | | | | | | |
| 130 (2.13) | 5 ¹ / ₁₆ " x 4 ⁵ / ₁₆ " x 5 ³ / ₁₆ " (14.4 x 11.7 x 13.2 cm) | 11 ¹ / ₂ " x 13 ³ / ₁₆ " x 13" (29.2 x 35.1 x 33 cm) | ±8°C | 35 minutes | 100 to 120, 50/60 200 to 250, 50/60 | 1440 1060 | 36 | 16 | GH-33855-10 GH-33855-15 | | GH-33855-70 | |
| 550 (9.01) | 9" x 7" x 9" (22.9 x 17.8 x 22.9 cm) | 15 ³ / ₁₆ " x 16" x 17" (40.2 x 40.6 x 43.2 cm) | ±8°C | 60 minutes | 100 to 120, 50/60 220 to 250, 50/60 | 1920 2400 | 60 | 27 | GH-33855-30 GH-33855-35 | | GH-33855-71 | |
| 1750 (28.68) | 14" x 10" x 12 ¹ / ₂ " (35.6 x 25.4 x 31.8 cm) | 24" x 21 ¹ / ₂ " x 21" (61 x 54.6 x 53.3 cm) | ±8°C | 45 minutes | 200 to 250, 50/60 | 4600 | 156 | 71 | GH-33855-55 | | GH-33855-72 | |
| Furnaces with three-stage programmable control and power door | | | | | | | | | | | | |
| 550 (9.01) | 9" x 7" x 9" (22.9 x 17.8 x 22.9 cm) | 15 ³ / ₁₆ " x 16" x 17" (38.6 x 40.6 x 43.2 cm) | ±8°C | 60 minutes | 100 to 120, 50/60 200 to 250, 50/60 | 1920 2400 | 62 | 28 | GH-33855-60 GH-33855-65 | | GH-33855-71 | |

Thermo Scientific™ Lindberg™ Blue M™ Mini-Mite™ Tube Furnaces

Take it where you need it

- Compact, portable, and lightweight design
- Ideal for transporting to your benchtop

All models feature microprocessor-based, self-tuning PID control to prevent overshooting of set temperature. As a safety precaution, power to the heating elements is cut off when the chamber temperature exceeds the set temperature or when the door is opened. Split hinge design permits convenient placement of the process tube; accepts one 1" OD process tube. Tube not included; order process tubes on page 350. Chamber is insulated with energy-efficient Moldatherm® for quick heat up and cool down rates.

Specifications

Temperature uniformity: ±1°C over 2⁵/₁₆" segment; ±3°C over 3⁵/₁₆" segment



| Control type | Temperature range | Chamber size | Zone lengths | Process tube OD | Overall dimensions (W x H x D) | Power | | Shpg wt | | Catalog number | Price |
|------------------|-------------------|-----------------|---------------|-----------------|---|----------------|-------|---------|----|----------------|-------|
| | | | | | | VAC, Hz | Watts | lb | kg | | |
| Single set point | 100 to 1100°C | 12" (30.5 cm) L | 12" (30.5 cm) | 1" (2.5 cm) | 11" x 15" x 16" (27.9 x 38.1 x 40.6 cm) | 120, 50/60 | 800 | 37 | 17 | GH-33850-10 | |
| | | | | | | 208/240, 50/60 | | | | GH-33850-15 | |
| 16-segment | 100 to 1100°C | 12" (30.5 cm) L | 12" (30.5 cm) | 1" (2.5 cm) | 11" x 15" x 16" (27.9 x 38.1 x 40.6 cm) | 120, 50/60 | 800 | 37 | 17 | GH-33850-00 | |
| | | | | | | 208/240, 50/60 | | | | GH-33850-05 | |