



## Mini Hot Plates/Stirrers

- 2-year warranty
- Heats up to 400°C
- Speed range of 100 to 1200 rpm
- Ideal for educational labs
- PTFE-coated spin bar included
- Cast aluminum top plate: 4.5"(11.4cm) diameter
- Built-in support rod holder

### Mini Hot Plates/Stirrers

Description	Thomas Mini Hot Plate/Stirrer, 120V	Thomas Mini Hot Plate/Stirrer, 230V
Overall Dimensions (in.)	6.5 L x 5.75 W x 4.75 H	6.5 L x 5.75 W x 4.75 H
Wt. (lbs)	4	4
Thomas No.	1231B41	1231B42



## Mini Stirrers

- 2-year warranty
- PTFE-coated spin bar included
- Speed range of 100 to 1200 rpm
- Ideal for educational labs
- Cast aluminum top plate: 4.5"(11.4cm) diameter

### Mini Stirrers

Description	Thomas Mini Stirrer, 120V	Thomas Mini Stirrer, 230V
Overall Dimensions (in.)	6.5 L x 5.75 W x 4.75 H	6.5 L x 5.75 W x 4.75 H
Wt. (lbs)	4	4
Thomas No.	1231B37	1231B38



## Mini Hot Plates

- 2-year warranty
- Heats up to 400°C
- Ideal for educational labs
- Cast aluminum top plate: 4.5"(11.4cm) diameter
- Built-in support rod holder

### Mini Hot Plates

Description	Thomas Mini Hot Plate, 120V	Thomas Mini Hot Plate, 230V
Overall Dimensions (in.)	6.5 L x 5.75 W x 4.75 H	6.5 L x 5.75 W x 4.75 H
Wt. (lbs)	4	4
Thomas No.	1231B39	1231B40



## Fixed Temp

The Thomas Fixed Temp Hot Plate exhibits the same features as the Mini Hot Plate but with a fixed temperature setting of 400°C.

With the flick of a switch, simply turn the unit on and the powerful heater reaches a maximum of 400°C in minutes.

### Fixed Temp Mini Hot Plates/Stirrers

Description	Thomas Fixed Temp Hot Plate, 120V	Thomas Fixed Temp Hot Plate, 230V
Overall Dimensions (in.)	6.5 L x 5.75 W x 4.75 H	6.5 L x 5.75 W x 4.75 H
Wt. (lbs)	4	4
Thomas No.	1231B43	1231B44

# Thomas BRAND

## Hot Plates/Stirrers

### Standard • Mini • High Volume • Multi-Position • Fixed Temp

- Precise Control
- Proven Reliability
- Cool Touch
- Chemical Resistant
- More Robust Heaters
- Stronger Magnets to Reduce Decoupling of Stir Bars



Thomas Scientific is proud to offer a complete line of Hot Plates and Stirrers.

See inside for more details ►►►

Multi-Position Stirrers

- 2-year warranty
- Stir up to 9 vessels at once
- Microprocessor speed control
- Synchronized and uniform mixing
- Low profile design
- PTFE-coated spin bar included for each position



Thomas Multi-Position Stirrers are powerful magnetic stirrers with precise speed control offering repeatable performance. Synchronized operation ensures uniform mixing at each position. Ramping feature slowly brings sample to set speed to avoid splashing, improve magnetic coupling and provide excellent low speed stirring.

Digital Models

Thomas No.	Positions	Maximum Volume	Max. Vessel Diameter (cm)	Voltage
1231B45	4	1L	13	120
1231B46	4	1L	13	230
1231B47	5	600 mL	9.5	120
1231B48	5	600 mL	9.5	230
1231B49	6	400 mL	8	120
1231B50	6	400 mL	8	230
1231B51	9	250 mL	7.5	120
1231B52	9	250 mL	7.5	230

High Volume Stirrers

- 2-year warranty
- Powerful motor and magnet mix up to 25 L
- Large top plate surface
- Microprocessor control



Thomas High Volume Stirrers are designed to handle large volume applications.

A powerful magnet and motor combine to provide an exceptional magnetic coupling force capable of stirring 25 L of liquid.

Microprocessor control precisely regulates speed through the 60 to 1400 rpm range. Ramping feature slowly brings sample to set speed to avoid splashing, improve magnetic coupling and improve spin bar control.

Specifications

Speed Range:	60 to 1400 rpm
Speed Stability:	±2%
Maximum Capacity (H <sub>2</sub> O):	25 L
Dimensions, Top Plate (in./cm):	12.5 L x 11 W / 31.8 L x 27.9 W
Dimensions, Overall (in./cm):	17 L x 11 W x 4 H / 43.2 L x 27.9 W x 10.2 H
Power:	75 W
Shipping Weight (lbs/kg):	14.6/6.6

Thomas No.	Description	Each
1231B53	Thomas High Volume Stirrer, 120V	1
1231B54	Thomas High Volume Stirrer, 230V	1

Advanced Hotplates, Stirrers, and Hotplate Stirrers

- Excellent temperature uniformity
- Microprocessor controlled
- Cool touch, chemically resistant housing
- LED display for temperature

Thomas Advanced hotplates, stirrers, and hotplate/stirrers deliver accurate and repeatable results. These units are microprocessor controlled and have an LED display for temperature. Control panel features easy to use controls which allow users to dial in adjustments. Rear housing features an integral support rod holder with locking knob to accept the optional support rod and clamp kit.



7 x 7 Hot Plate



10 x 10 Stirrer

Specifications

Temperature Range:	Ambient + 5 to 500°C
Temperature Stability:	+/- 3%
Speed Range:	60-1600 rpm

\* Below 100°C +/-2°C. Environmental and sample conditions permitting

Operating Features

- Recall last temp: Built in memory allows users to recall last set temperature, even when unit has been turned off. (for Hotplates or Hotplate-Stirrers)
- Heating capacity: Robust heater allows heating surface to reach set point quickly
- Built-in support rod holder: Rear housing features an off centered, built in support rod holder with locking knob that accepts the optional support rod and clamp kit

For complete details, visit: [www.thomassci.com](http://www.thomassci.com)

Top Plate:	4" x 4" (10.2x10.2cm)	7" x 7" (17.8 x 17.8cm)	10" x 10" (25.4 x 25.4cm)
Speed Stability:	+/- 2%	+/- 2%	+/- 2%
Max. Capacity:	600 mL	2500 mL	6000 mL
Overall Dim:	10.8" x 6.6" x 4.3" (27.4 x 16.7 x 10.8cm)	14.8" x 9.9" x 4.3" (37.5 x 25 x 10.8cm)	17.9" x 13.0" x 4.3" (45.5 x 33.0 x 10.8cm)

Hot Plates - 50/60 Hz

Top Style	Ceramic		Ceramic		Ceramic	
Volts, Hz.	120V 2.9 amps/350 watts	230V 1.5 amps/350 watts	120V 7.9 amps/950 watts	230V 4.4 amps/1000 watts	120V 12.5 amps/1500 watts	230V 6.7 amps/1550 watts
Thomas No.	1224Q73	1224Q75	1235A20	1235A24	1235A28	1235A32

Stirrers - 50/60 Hz

Top Style	Ceramic		Ceramic		Ceramic	
Volts, Hz.	120V 0.4 amps/50 watts	230V 0.2 amps/50 watts	120V 0.4 amps/50 watts	230V 0.2 amps/50 watts	120V 0.4 amps/50 watts	230V 0.2 amps/50 watts
Thomas No.	1224Q71	1224Q72	1235A04	1235A06	1235A08	1235A10

Hot Plate Stirrers - 50/60 Hz

Top Style	Ceramic		Ceramic		Ceramic	
Volts, Hz.	120V 3.3 amps/400 watts	230V 1.7 amps/400 watts	120V 8.3 amps/1000 watts	230V 4.6 amps/1050 watts	120V 12.9 amps/1550 watts	230V 7.0 amps/1600 watts
Thomas No.	1224Q74	1224Q76	1235A21	1235A25	1235A29	1235A33