

# Talboys Advanced Hotplates, Stirrers, and Hotplate-Stirrers

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

Talboys 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.

## Operating Features:

**Low profile design:** Takes up less space and fits into fume hoods. Spill-resistant housing channels fluids away from internal components.

**LED display:** Shows set-point temperature. Display is easy-to-read and provides repeatable and accurate results every time.

**Control panel:** Adjustment knob for temperature displays set-point in LED display. Stir control knob has rpm adjustment markings.

**Recall last temp:** Built-in memory allows users to recall last set temperature, even when unit has been turned off.

**Microprocessor control:** Enhanced electronics regulate both heating and stirring and bring samples to temperature quickly and efficiently. Temperature measurement is controlled more accurately by utilizing an internal RTD. Speed is precisely controlled, and provides consistent stirring at all speeds. Powerful continuous duty motor delivers dependable and reliable stirring.

**Heating capacity:** Robust heater allows heating surface to reach set point quickly.

**Ceramic or aluminum top plate materials:** Ceramic tops feature a chemical resistant, reflective white top plate surface that is easy to clean. Durable aluminum tops will not crack or chip, and provide a more even heating surface.

**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.

## Safety Features:

**Cool touch housing:** Housing is made of a heat resistant polymer that is not only cool to the touch but also chemical resistant.

**Hot top indicator:** For additional safety, hot symbol warning light is illuminated when heat is turned on and remains on until top plate cools down.

**Overshoot protection:** Unit will shut down and activate audible and visual signals if temperature deviates  $\pm 1^{\circ}\text{C}$  from set-point.

**Stir protection:** If stirrer motor stops or fails, unit will automatically shut down heater. (for hotplate-stirrers)

**Ramping feature:** Slowly increases speed for improved safety and enhanced coupling. Avoids splashing, improves spin bar control and provides excellent low end speed control. (for hotplate-stirrers and stirrers)

**Optional Support Rod and Clamp Kit:** Kit includes 18" (45.7cm) stainless steel support rod, 3-prong medium swivel clamp, thermometer/temperature probe extension clamp, and hook connector.

## Operating Conditions:

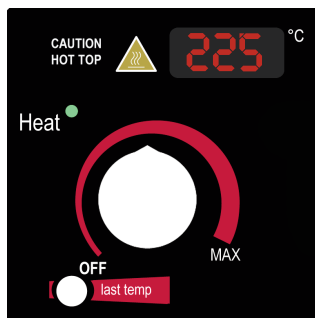
Unit can be run from 5 to 40°C (41 to 104°F).



984TA7CHSUSA



984TA0AHSUSA



## Specifications

Top Plate Dimensions		4 x 4" (10.2 x 10.2cm)	7 x 7" (17.8 x 17.8cm)	10 x 10" (25.4 x 25.4cm)
Temperature Range	Ceramic	Ambient +5° to 500°C	Ambient +5° to 500°C	Ambient +5° to 500°C
	Aluminum	Ambient +5° to 400°C	Ambient +5° to 400°C	Ambient +5° to 400°C
Temperature Stability*	Ceramic	±3%	±3%	±3%
	Aluminum	±2%	±2%	±2%
Speed Range		60 to 1600rpm	60 to 1600rpm	60 to 1600rpm
Speed Stability		±2%	±2%	±2%
Maximum Capacity (H <sub>2</sub> O)		600mL	2500mL	6000mL
Overall Dimensions (L x W x H)		10.8 x 6.6 x 4.3"	14.8 x 9.9 x 4.3"	17.9 x 13 x 4.3"
		(27.4 x 16.8 x 10.9cm)	(37.6 x 25.1 x 10.9cm)	(45.5 x 33 x 10.9cm)
Shipping Weight		6.2lbs (2.8kg)	10.5lbs (4.8kg)	15.9lbs (7.2kg)

\* Below 100°C  $\pm 2^{\circ}\text{C}$ . Environmental and sample conditions permitting.

# Talboys Advanced Hotplates, Stirrers, and Hotplate-Stirrers

## Ordering Information

Units include a 92" (234cm) detachable, 3-wire cord and plug (230 volt units are supplied with Euro type plug). Hotplate-Stirrers are supplied with a 1.5" (3.8cm) PTFE coated stir bar. 2 year limited warranty on parts and labor. **Optional Support Rod and Clamp Kit:** Kit includes 18" (45.7cm) stainless steel support rod, 3-prong medium swivel clamp, thermometer/temperature probe extension clamp, and hook connector.

### Advanced Hotplates

Dimensions	Top Plate Material	Electrical (50/60 Hz)			Part Number	Price
4 x 4" (10.2 x 10.2cm)	Ceramic	120V	2.9 amps	350 watts	984TA4CHPUSA	\$266.00
4 x 4" (10.2 x 10.2cm)	Ceramic	230V	1.5 amps	350 watts	984TA4CHPEUA	\$293.00
4 x 4" (10.2 x 10.2cm)	Aluminum	120V	2.9 amps	350 watts	984TA4AHPUSA	\$279.00
4 x 4" (10.2 x 10.2cm)	Aluminum	230V	1.5 amps	350 watts	984TA4AHPEUA	\$308.00
7 x 7" (17.8 x 17.8cm)	Ceramic	120V	7.9 amps	950 watts	984TA7CHPUSA	\$303.00
7 x 7" (17.8 x 17.8cm)	Ceramic	230V	4.4 amps	1000 watts	984TA7CHPEUA	\$333.00
7 x 7" (17.8 x 17.8cm)	Aluminum	120V	7.9 amps	950 watts	984TA7AHPUSA	\$318.00
7 x 7" (17.8 x 17.8cm)	Aluminum	230V	4.4 amps	1000 watts	984TA7AHPEUA	\$350.00
10 x 10" (25.4 x 25.4cm)	Ceramic	120V	12.5 amps	1500 watts	984TA0CHPUSA	\$427.00
10 x 10" (25.4 x 25.4cm)	Ceramic	230V	6.7 amps	1550 watts	984TA0CHPEUA	\$470.00
10 x 10" (25.4 x 25.4cm)	Aluminum	120V	12.5 amps	1500 watts	984TA0AHPUSA	\$410.00
10 x 10" (25.4 x 25.4cm)	Aluminum	230V	6.7 amps	1550 watts	984TA0AHPEUA	\$449.00

### Standard Stirrers

Dimensions	Top Plate Material	Electrical (50/60 Hz)			Part Number	Price
4 x 4" (10.2 x 10.2cm)	Ceramic	120V	0.4 amps	50 watts	984TA4CSTUSS	\$279.00
4 x 4" (10.2 x 10.2cm)	Ceramic	230V	0.2 amps	50 watts	984TA4CSTEUS	\$307.00
4 x 4" (10.2 x 10.2cm)	Aluminum	120V	0.4 amps	50 watts	984TA4ASTUSS	\$293.00
4 x 4" (10.2 x 10.2cm)	Aluminum	230V	0.2 amps	50 watts	984TA4ASTEUS	\$322.00
7 x 7" (17.8 x 17.8cm)	Ceramic	120V	0.4 amps	50 watts	984TA7CSTUSS	\$292.00
7 x 7" (17.8 x 17.8cm)	Ceramic	230V	0.2 amps	50 watts	984TA7CSTEUS	\$321.00
7 x 7" (17.8 x 17.8cm)	Aluminum	120V	0.4 amps	50 watts	984TA7ASTUSS	\$298.00
7 x 7" (17.8 x 17.8cm)	Aluminum	230V	0.2 amps	50 watts	984TA7ASTEUS	\$337.00
10 x 10" (25.4 x 25.4cm)	Ceramic	120V	0.4 amps	50 watts	984TA0CSTUSS	\$429.00
10 x 10" (25.4 x 25.4cm)	Ceramic	230V	0.2 amps	50 watts	984TA0CSTEUS	\$472.00
10 x 10" (25.4 x 25.4cm)	Aluminum	120V	0.4 amps	50 watts	984TA0ASTUSS	\$430.00
10 x 10" (25.4 x 25.4cm)	Aluminum	230V	0.2 amps	50 watts	984TA0ASTEUS	\$473.00

### Advanced Hotplate-Stirrers

Dimensions	Top Plate Material	Electrical (50/60 Hz)			Part Number	Price
4 x 4" (10.2 x 10.2cm)	Ceramic	120V	3.3 amps	400 watts	984TA4CHSUSA	\$419.00
4 x 4" (10.2 x 10.2cm)	Ceramic	230V	1.7 amps	400 watts	984TA4CHSEUA	\$461.00
4 x 4" (10.2 x 10.2cm)	Aluminum	120V	3.3 amps	400 watts	984TA4AHSUSA	\$440.00
4 x 4" (10.2 x 10.2cm)	Aluminum	230V	1.7 amps	400 watts	984TA4AHSEUA	\$484.00
7 x 7" (17.8 x 17.8cm)	Ceramic	120V	8.3 amps	1000 watts	984TA7CHSUSA	\$433.00
7 x 7" (17.8 x 17.8cm)	Ceramic	230V	4.6 amps	1050 watts	984TA7CHSEUA	\$476.00
7 x 7" (17.8 x 17.8cm)	Aluminum	120V	8.3 amps	1000 watts	984TA7AHSUSA	\$455.00
7 x 7" (17.8 x 17.8cm)	Aluminum	230V	4.6 amps	1050 watts	984TA7AHSEUA	\$500.00
10 x 10" (25.4 x 25.4cm)	Ceramic	120V	12.9 amps	1550 watts	984TA0CHSUSA	\$576.00
10 x 10" (25.4 x 25.4cm)	Ceramic	230V	7 amps	1600 watts	984TA0CHSEUA	\$634.00
10 x 10" (25.4 x 25.4cm)	Aluminum	120V	12.9 amps	1550 watts	984TA0AHSUSA	\$565.00
10 x 10" (25.4 x 25.4cm)	Aluminum	230V	7 amps	1600 watts	984TA0AHSEUA	\$626.00

# Talboys Hotplates, Stirrers, and Hotplate-Stirrers Accessories



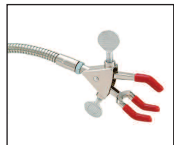
## Ultra Flex Support Kit

Extremely versatile with a unique flex arm that can be placed in virtually every position or angle. Includes 12" (30.5cm) flex arm and interchangeable 3-prong clamp head, 2-prong clamp head and spring clamp head.

Recommended for all Hotplates or Hotplate-Stirrers.

Description	Part Number	Price
Ultra Flex Support Kit	985797	\$143.00

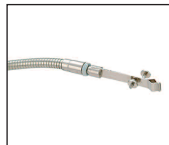
Ultra Flex Support Kit Includes:



3-Prong Clamp



2-Prong Clamp



Spring Clamp



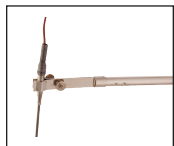
## Support Rod and Clamp Kit

Designed for holding temperature probes, thermometers or other glass tubes. Includes an 18" (45.7cm) aluminum support rod, thermometer/temperature probe extension clamp, 3-prong medium swivel clamp, and hook connector.

Recommended for all Hotplates or Hotplate-Stirrers.

Description	Part Number	Price
Support Rod and Clamp Kit	985690	\$102.00

Support Rod and Clamp Kit Includes:



Extension Clamp



3-Prong Swivel Clamp



Hook Connector



## Support Plates

Designed to hold Hotplates/Stirrers and other apparatus to lab-frames or ring stands. Aluminum construction offers strength and durability. Support plates include a non-skid rubber mat and can mount to vertical rods up to 0.75" (1.9cm) diameter.

Small Support Plate recommended for Advanced 4 x 4 or Basic Hotplates, Stirrers or Hotplate-Stirrers.

Medium Support Plate recommended for Professional or Advanced 7 x 7 Hotplates, Stirrers or Hotplate-Stirrers.

Large Support Plate recommended for multiple units.

Size	Dimensions	Part Number	Price
Small	9.5 x 6.5" (24.1 x 16.5cm)	916299	\$107.00
Medium	12.75 x 9" (32.4 x 22.9cm)	916300	\$173.00
Large	15.75 x 12" (40 x 30.5cm)	916302	\$217.00