

Thermolyne
Hot Plate and
Hot Plate Stirrers



Mirak[®] Digital Ceramic Top Hot Plate Stirrers



Mirak Stirring Hot Plates

Measures Temperature on Plate or in Sample!

- Control solution temperature
- Safely heat metal vessels
- Stir viscous solutions

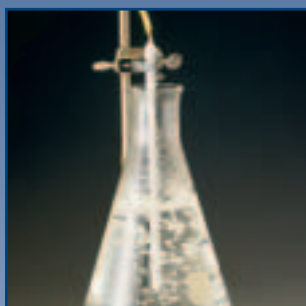
Includes FREE Stirbar!



Because the advanced electronic control in the MIRAK is capable of precisely regulating the top plate temperature, metal vessels and sand baths may be safely heated without damaging the ceramic top.



Temperature may be controlled at the top plate by an internal sensor, or controlled from your sample by simply plugging in the probe accessory.



Dual digital displays allow you to observe your temperature and stirring speed simultaneously.



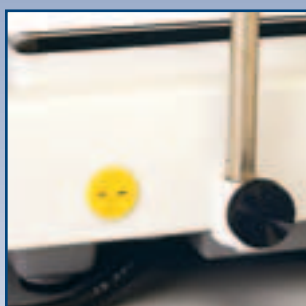
A clear plastic cover protects dial plate from spills and is removable for easy cleaning.



A separate power switch turns the unit off or on without disturbing your temperature and speed settings.



Ring-stand holder accommodates a standard 1/2" (1.27 cm) diameter support rod.



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Product Description

- Solid state feedback control monitors and adapts to sudden changes in ambient or sample temperature, preventing boil-overs, ruined samples, and lost time.
- Use Mirak units to heat metal vessels and sandbaths without damaging ceramic tops.
- The motors in the Mirak stirring hot plates produce maximum stirring torque which, when combined with a powerful magnet, provide exceptional magnetic coupling with a stir bar—even with a solution that has a viscosity similar to cooking oil.
- All Mirak units use solid ceramic tops for the most durable, easy to clean, corrosion-resistant tops.
- Mirak's solid ceramic top remains perfectly flat to ensure maximum heat transfer.
- Reflective white top makes sample viewing easy.
- Mirak can be used with optional probes to maintain tighter solution temperatures.
- Digital display for simultaneous observation of temperature and stirring speed.

- Separate power switch turns unit off/on without disturbing temperature and speed settings.
- Previous set points are stored in memory and will appear on the display when the unit is switched on again.
- Ring stand holder accommodates a standard ½" (1.27cm) diameter support rod to aid in securely positioning the temperature probe.
- 7" x 7" (18 x 18 cm) stirring hot plates accommodate up to 4 liters (with Erlenmeyer flask) in volume and top plate loads of up to 25 lb. (11.4 kg).
- 12" x 12" (30 x 30 cm) stirring hot plates accommodate up to 6 liters in volume and top plate loads of up to 30 lb. (13.6 kg).
- 12" x 12" (30 x 30 cm) four-place stirring hot plates accommodate four 1 liter flasks and top plate loads of up to 30 lb. (13.6 kg).

Application

- Preparation of temperature sensitive media or solutions
- Food analysis - digestions, % solids determination, titrations
- Organic synthesis/research
- Viscosity/solidification point testing

ORDERING INFORMATION

Model #	Cord Set	Volts	Electrical (50/60 Hertz)		Operating Temp Range		Stirring Speed Range RPM	Shipping Weight Lb. (kg)	US List Price
			Amps	Watts	°C	°F			
All 7" x 7" (18 x 18 cm) Top Plate Models—Overall Dimensions 8.3" (21 cm) x 5.7" (14.6 cm) x 12.2" (31.1 cm)									
SP72725 ¹	Standard 15-Amp	120	9.5	1119	40-540	104-1004	60-1200	13 (5.9)	\$1,000.00
SP72720 ¹	Standard 15-Amp	220-240	4.7	1119	40-540	104-1004	60-1200	13 (5.9)	\$1,000.00
SP72720-26	European	220-240	4.7	1119	40-540	104-1004	60-1200	13 (5.9)	\$1,000.00
12" x 12" (30 x 30 cm) Top Plate Single-Place Models—Overall Dimensions 13.5" (34.3 cm) x 6.4" (16.4cm) x 16.6" (42.2 cm)									
SP73035*	20-Amp	120	13.8	1642	40-370	104-698	60-1200	30 (13.6)	\$1,403.00
SP73035-60	Standard 15-Amp	120	13.8	1642	40-370	104-698	60-1200	30 (13.6)	\$1,403.00
SP73030 ¹	Standard 15-Amp	220-240	12	3130	40-540	104-1004	60-1200	30 (13.6)	\$1,403.00
SP73030-26	European	220-240	12	3130	40-540	104-1004	60-1200	30 (13.6)	\$1,403.00
SP73038	20-Amp	208	14.1	2926	40-540	104-1004	60-1200	30 (13.6)	\$1,403.00
12" x 12" (30 x 30 cm) Top Plate Four-Place Models—Overall Dimensions 13.5" (34.3 cm) x 6.4" (16.4 cm) x 16.6" (42.2 cm)									
SP73235 ¹	20-Amp	120	15	1720	40-370	104-698	60-1200	33 (15)	\$1,797.00
SP73235-60	Standard 15-Amp	120	15	1720	40-370	104-698	60-1200	33 (15)	\$1,797.00
SP73230 ¹	Standard 15-Amp	220-240	12	3175	40-540	104-1004	60-1200	33 (15)	\$1,797.00
SP73230-26	European	220-240	12	3175	40-540	104-1004	60-1200	33 (15)	\$1,797.00
SP73238	20-Amp	208	14.5	2972	40-540	104-1004	60-1200	33 (15)	\$1,797.00

¹CSA

-26 Models supplied with European cord set.1167.00832.00

ACCESSORIES

Model #	Description	US List Price
TC732X1	General purpose immersion probe with 6" (15.24 cm) long stainless-steel sheath	\$125.10
TC732X2	General purpose immersion probe with 10" (25.40 cm) long stainless-steel sheath	\$125.10
TC727X2	Chemically-resistant immersion probe with 7" (17.78 cm) long Teflon sheath (rated for solution temperatures up to 300°C)	\$165.40

NOTE: A 20 amp cord set is required on the CSA-approved models of the 12" x 12" (30 x 30 cm) 120 volt Mirak stirring hot plates (SP73035 and SP73235). This 20 amp cord set can only be plugged into a non-standard 20 amp, 120 volt receptacle.