

BATHS

STIRRERS

HOTPLATES

HEATING
MANTLES



HOTPLATES

ALUMINIUM TOP HOTPLATES



**HP-6
175x175mm
hotplate**

HP Series Aluminium Top Hotplates

Uniform Heating at a Reasonable Price!

This modern range of aluminium hotplates provides superior temperature uniformity and stability is available in 7 sizes.

**GHP-4
250x250mm
hotplate**



**HP-1
115x115mm
hotplate**

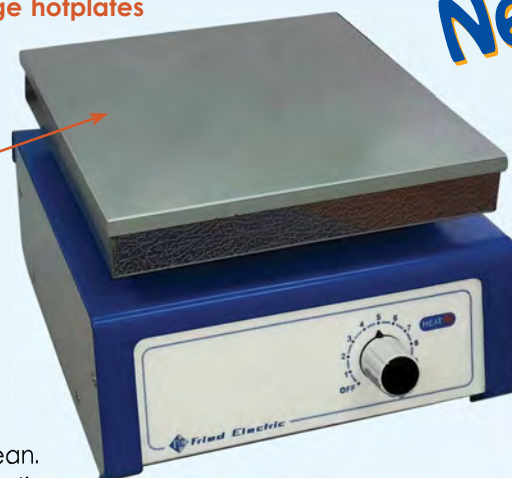
Compact & lightweight hotplate, great to use in limited space. Making possible for processing of delicate materials at low critical temperatures.



**E-1
Iron hotplate,
up to 450°C, dia. 80mm**

**HP-6-xxx
Large hotplates**

**400x400mm
400x600mm
600x600mm
Digital or Analog**



New

Application:

- Distillations, extractions & digestions
- Heat aqueous reagents
- Semiconductor baking
- Acid/Base digestions – trace metal analysis. etc.
- Sample drying
- General reagent heating
- Heating TLC plates
- Evaporations
- Warning/curing applications – pastes, adhesives, & solder
- Ideal for general lab heating
- Liquid evaporations

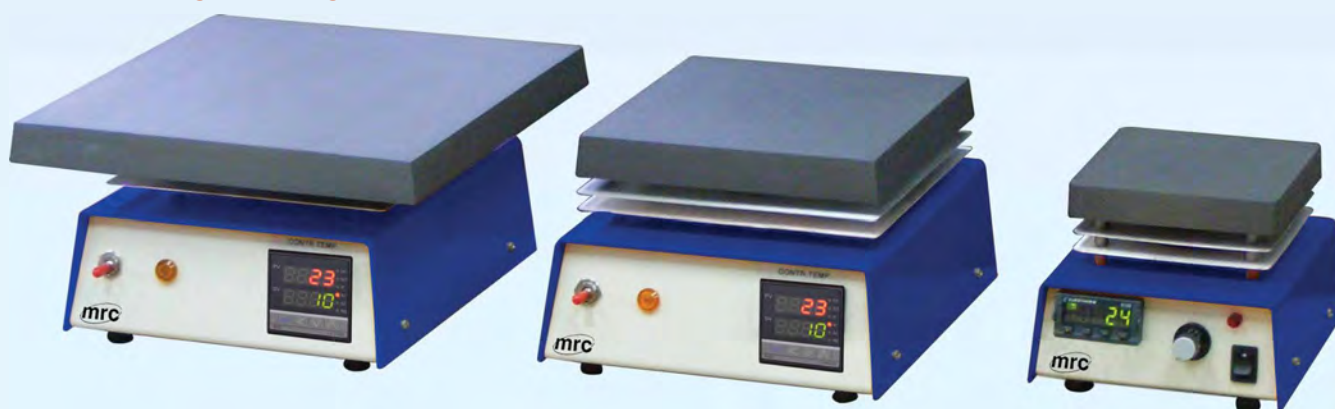
Features:

- Chemical resistant top plate, easy to clean.
- Excellent heat conduction distributes the heat evenly and uniformly over the entire heating surface.
- Sensitive "stepless" temperature control is maintained by means of a hydraulic thermostat with minimum overshoot and undershoot Making possible the processing of delicate materials at low critical temperatures.
- Pilot lamp indicates when heat is on.
- Special radiation shields keep apparatus relatively cool during continuous operation.
- Supplied with a 3-wire line cord and sturdy screw type support device at the rear of the base to hold standard rod.

Model	Temperature range	Top plate	Dimensions	Watt	Weight
HP-1	40–300°C (optional 350°C)	115x115mm	W140xH110xD220mm	450W	1.2kg
HP-6	40–300°C (optional 350°C)	175x175mm	W200xH150xD260mm	750W	2.3kg
GHP-4	40–300°C (optional 350°C)	250x250mm	W250xH150xD260mm	1500W	3.3kg
E-1	up to 450°C	Diameter 80mm	W120xH120xD180mm	450W	1.1kg

DIGITAL & PROGRAMMABLE HOTPLATES, ALUMINIUM TOP

HP-D Series Digital & Programmable Hotplates, Aluminium Top



GHP-4D
250x250mm Hotplate

HP-4D
175x175mm Hotplate

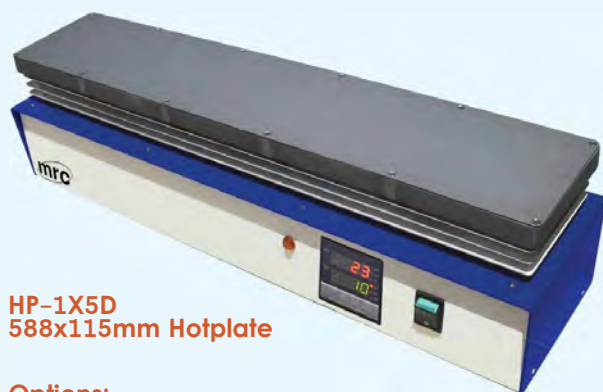
HP-1D
115x115mm Hotplate

Application:

- Distillations, extractions and digestions
- Heat aqueous reagents
- Semiconductor baking
- Acid/Base digestions – trace metal analysis. etc.
- Sample drying
- General reagent heating
- Heating TLC plates
- Evaporations
- Warning/curing applications–pastes, adhesives, and solder
- Viscosity studies
- Reaction optimization
- Solubility studies
- Safety thermostat.

Features:

- Temperature can be displayed in °C or °F.
- Digital timer and ramp to temperature function.
- Digital set-point and read-out of actual temperature.
- PID microprocessor controller provides precise temperature regulation all over the temp. range, include the low temp close to the ambient.
- Temperature may be controlled either at the plate surface by internal sensor, or at the sample by a Thermocouple Immersion probe.
- Safety: in the event of broken sensor, power to the heater is shut-down.
- Temperature range: above ambient to 300°C (optional 400°C).
- Chemical resistant top plate, easy to clean.
- Excellent heat conduction distributes the heat evenly & uniformity over the entire heating surface.
- Pilot lamp indicates when heat is on.
- Special radiation shields keep apparatus relatively cool during continuous operation.
- Support device at the rear of the base.
- Option: External temp. sensor 200mm length, 3.2mm diameter.



HP-1X5D
588x115mm Hotplate

Options:

- RS232 Communication
- RS485 Communication
- Separate Control box.
- Programmer
- Up to 400°C



GHP-4X2D
500x250mm Hotplate
Large surface for large loads

Model	Temp. range	Top plate	Temp. stability	Dimensions	Watt	Weight
HP-1D	40–300°C (optional 400°C)	115x115mm	±1°	W140xH110xD220mm	450W	1.3kg
HP-4D	40–300°C (optional 400°C)	175x175mm	±1°	W200xH150xD260mm	750W	2.4kg
GHP-4D	40–300°C (optional 400°C)	250x250mm	±1°	W250xH150xD260mm	1500W	3.4kg
GHP-4X2D	40–300°C (optional 400°C)	500x250mm	±1°	W500xH150xD250mm	3000W	6.6kg
HP-1X5D	40–300°C (optional 400°C)	588x115mm	±1°	W600xH150xD145mm	2000W	5kg

MAGNETIC STIRRERS ALUMINIUM TOP HOTPLATES

MH-Series Hotplate Magnetic Stirrers

MH-6
175x175mm
Hotplate Stirrer



★ ★ ★
**German AC Motor
Robust & Maintenance
Free Design**
★ ★ ★

Powerful Stirring and Uniform Heating!

Quiet direct drive motor/magnet system provides speed from 100 to 1200 RPM.



GMH-5
250x250mm
Hotplate Stirrer



MH-1

Compact & lightweight hotplate, great to use in limited space. Making possible the processing of delicate materials at low critical temperatures.

Features:

- Chemical resistant top plate, easy to clean.
- Excellent heat conduction distributes the heat evenly & uniformity over the entire heating surface.
- Sensitive "stepless" temperature control is maintained by means of a hydraulic thermostat with minimum overshoot & undershoot Making possible the processing of delicate materials at low critical temperatures.
- Pilot lamp indicates when heat is on.
- Special radiation shields keep apparatus relatively cool during continuous operation.
- Supplied with a 3-wire line cord and sturdy screw type support device at the rear of the base to hold standard rod.
- Designed for continuous use, to handle fluids of varying viscosities in up to 30Liter capacity
- Gentle or vigorous stirring

Applications:

- Warming/mixing applications – gels, pastes, & adhesives
- Standard reagent mixing & heating
- Preparing culture media
- Evaporation and distillation procedures
- Titration requiring heating and stirring of solution
- General microbiological applications.
- Gentle heating
- Micro scale chemistry
- General lab heating & stirring
- Sample drying
- Media preparation

MH-1 115x115mm Hotplate Stirrer

GMH-5 For large capacity up to 30Liter, stir viscous solution

**For Continues
Work**



Specifications:

Model	Temp. range	Speed range	Capacity max.	Top plate	Dimensions	Watt	Weight
MH-1	40–300°C (optional 350°C)	100–1200rpm	8 Liter	115x115mm	W140xH110xD220mm	450W	1.9kg
MH-6	40–300°C (optional 350°C)	100–1200rpm	10 Liter	175x175mm	W200xH150xD260mm	750W	3kg
MH-5	40–300°C (optional 350°C)	100–1400rpm	25 Liter	175x175mm	W200xH150xD260mm	750W	3.4kg
GMH-5	40–300°C (optional 350°C)	100–1400rpm	30 Liter	250x250mm	W250xH150xD260mm	1500W	4.4kg

DIGITAL MAGNETIC STIRRERS ALUMINIUM TOP HOTPLATES

MH-D Series Digital Magnetic Stirrers



★ ★ ★
**German AC Motor
Robust & Maintenance
Free Design**
★ ★ ★

Application:

- Warming/mixing applications – gels, pastes, & adhesives.
- Standard reagent mixing and heating.
- Preparing culture media.
- Evaporation and distillation procedures.
- Titration requiring heating & stirring of solution.
- General microbiological applications.
- Gentle heating.
- Micro scale chemistry.
- General lab heating & stirring.
- Sample drying.
- Media preparation.

Options:

- RS232 Communication
- RS485 Communication
- Separate Control box.
- Programmer
- Up to 400°C



Features:

- Temperature can be displayed in °C or °F.
- Digital timer and ramp to temperature function.
- Digital set-point and read-out of actual temperature.
- PID microprocessor controller provides precise temperature regulation all over the temp. range, include the low temp close to the ambient.
- Temperature may be controlled either at the plate surface by internal sensor, or at the sample by a Thermocouple Immersion probe.
- Safety: in the event of broken sensor, power to the heater is shut-down.
- Temperature range :above ambient to 300°C (optional 400°C).
- Chemical resistant top plate, easy to clean.
- Excellent heat conduction distributes the heat evenly and uniformity over the entire heating surface.
- Pilot lamp indicates when heat is on.
- Special radiation shields keep apparatus relatively cool during continuous operation.
- Designed for continuous use, to handle fluids of varying viscosities in up to 30Liter capacity.
- Available in 3 models to accommodate most laboratory applications requiring mixing and temperature control.
- Gentle or vigorous stirring.

Specifications:

Model	Temp. range	Speed range	Capacity max.	Top plate	Dimensions	Watt	Weight
MH-4D	40–300°C (optional 400°C)	100–1200rpm	10 Liter	175x175mm	W200xH150xD260mm	750W	3kg
MH-5D	40–300°C (optional 400°C)	100–1400rpm	20 Liter	175x175mm	W250xH150xD260mm	750W	3.1kg
GMH-5D	40–300°C (optional 400°C)	100–1400rpm	30 Liter	250x250mm	W500xH150xD250mm	1500W	3.5kg

CERAMIC HOTPLATES / STIRRERS

MHK-1 & MHK-6, Analog Models



Features:

- High impact strength, Acid and alkali resistance
- Heats rapidly up to 500°C in 8 minutes
- Stepless heat control
- Ceramic top remains perfectly flat to ensure maximum heat transfer.
- Reflective white top makes sample viewing easy.
- Not recommended for use with metal vessels.

Applications:

- Models are excellent for microscale chemistry
- General lab heating and stirring
- Sample drying
- Media preparation
- General microbiological applications.

★ ★ ★
**German AC Motor
Robust & Maintenance
Free Design**
★ ★ ★

HPK-4D & MHK-4D, Digital Models Measures Temp. in Sample



Features:

- Microprocessor closed-loop control
- Digital display of all parameters for easy operation. Temperature can be displayed in °C or °F
- PID microprocessor controller provides precise temperature regulation all over the temp. range, include the low temp close to the ambient.
- Temperature may be controlled either at the plate surface by internal sensor, or at the sample by a Thermocouple Immersion probe.

Description:

- Solid state feedback control monitors & adapts to sudden changes in ambient or sample temperature, preventing boil-overs, ruined samples, and lost time.
- Digital display for quick and easy observation.
- Previous set point is stored in memory & will appear on the display when the unit is switched on.

Options:

- RS232 Communication
- RS485 Communication
- Separate Control box.

Back Panel

support device at the rear of the base to hold standard rod.

Model	Temp. range	Top-plate	Temp. control	Magnetic stirrer
HPK-4	up to 500°C	175x175mm	Analog	No
HPK-4D	up to 500°C	175x175mm	Digital	No
MHK-6	up to 500°C	175x175mm	Analog	100~1200rpm
MHK-4D	up to 500°C	175x175mm	Digital	100~1200rpm
HPK-1	up to 500°C	115x115mm	Analog	No
HPK-1D	up to 500°C	115x115mm	Digital	No
MHK-1	up to 500°C	115x115mm	Analog	100~1200rpm

MULTI-POSITION HOTPLATE STIRRERS



MH-1/6, 6 position hotplate stirrer



MH-1/4, 4 position hotplate stirrer



MH-1/3 3 position hotplate stirrer



**MH-1/2
2 position
hotplate stirrer**

Model: MH-1/6, 6 Positions

Dimensions: Overall W81xH14.5xD22cm
(Includes support rod clamp)

Power: 230V (or 115V), 50/60Hz, 2400W-6x400W

Net weight: 12Kg.

Model: MH-1/4, 4 Positions

Dimensions: Overall W60.5xH14.5xD22cm

Power: 1600 watt-4x400 watt.

Weight: 8Kg.

Model MH-1/3, 3 positions, 1200watt

Model MH-1/2, 2 positions, 800watt

Model: MH-1/2x2, 4 Positions

Dimensions: Top plate 11.5x11.5cm

Overall W30xH14.5xD31cm

(D includes support rod clamp)

Placed in two rows 2+2

Power: 230V (or 115V), 50/60Hz, 1600W-4x400W

Net weight: 8Kg.

Model: MH-1/3x2

Dimensions: Top plate 11.5x11.5cm,

Overall W45xH14.5xD31cm

Power: 2400 watt-6x400 watt.

Weight: 12Kg.



**MH-1/2x2,
4 position hotplate stirrer**



**MH-1/3x2,
6 position hotplate stirrer**

★ ★ ★
**German AC Motor
Robust & Maintenance
Free Design**
★ ★ ★

Multi-Position Hotplate Stirrers, 2,3,4 Or 6 Places

- **Aluminium Top Plate 115x115mm**
- **Independent Heating & Stirring Control**
- **up to 300°C (optional 350°C)/1600 rpm**
- Excellent for multi-use and a wide various sample testing.
- Multi position hotplate stirrer with 2,3,4,6 positions.
- Independent Heating and Stirring Control.
- Maximum Temperature of 300°C (optional 350°C).
- Aluminium tops are chemical resistant & heat up quickly and uniformly. Great for low temperature applications.
- Units are built from durable cast aluminium cases & painted with chemically resistant paint.
- Individually controlled stirring and heating positions.
- Each position can be used to stir only, heat only or heat and stir at the same time.
- Ideal for a narrow bench-top or for applications needing support rack system.
- Stirrers are equipped with strong magnets and high torque motors. Up to 8 Liter of water for each position.

CERAMIC HOTPLATE STIRRERS MULTI-POSITION



MHK-1/6, 6 Positions

115x115mm
hotplate

MHK-1/4, 4 Positions

MHK-1/3, 3 Positions

MHK-1/2
2 Positions

★ ★ ★
**German AC Motor
Robust & Maintenance
Free Design**
★ ★ ★

Model: MHK-1/6, 6 Positions

Dimensions: Overall W81xH14.5xD22cm
(Includes support rod clamp)

Power: 230V (or 115V), 50/60Hz, 2400Watt-6x400W

Net weight: 12Kg

Model: MHK-1/4, 4 Positions

Dimensions: 60.5x14.5x22cm

Power: 1600 watt-4x400 watt

Net weight: 8 kg

Model: MHK-1/3 3 positions, power 1200watt

Model: MHK-1/2 2 positions, power 800watt

Model: MHK-1/2x3

Dimensions: Overall W45xH14.5xD31cm
(Includes support rod clamp)
Placed in two rows 3+3

Power: 230V (or 115V), 50/60Hz, 2400W-6x400W

Net weight: 12Kg

Model: MHK-1/2x2

Dimensions: 30x14.5x31cm

Power: 1600 watt-4x400 watt

Weight: 8 kg

Model: MHK-4/3 3 positions, 175x175mm plate,
3x1100watt=3300watt

Model: MHK-4/2 2 positions, 175x175mm plate,
2x1100watt=2200watt.

500°C



MHK-1/2x2
4 Positions



115x115mm
hotplate



MHK-1/2x3
6 Positions

175x175mm
hotplate



MHK-4/2
2 Positions

175x175mm
hotplate



MHK-4/3
3 Positions

Ceramic Hotplate Stirrers Multi-Position, 2,3,4 Or 6 Places, 115x115mm or 175x175mm

- Heat to 500°C on plate surface in minutes
- Stir from up to 1600 rpm on each stirring position with individual controls.
- Plate size for all units is 115x115 or 175x175mm.
- Solid ceramic heater surface for excellent chemical resistance.
- Multi position hotplate stirrer with 2,3,4,6 positions.
- Individually controlled stirring and heating positions.
- Each position can be used to stir only, heat only or heat and stir at the same time.
- Ideal for a narrow bench-top or for applications needing support rack system.
- Stirrers are equipped with strong magnets & high torque motors, up to 8 Liter of water.



MHK-4/3D, Digital temp. Controller+Timer, 175x175mm