

Infitek

HOTPLATES & STIRRERS



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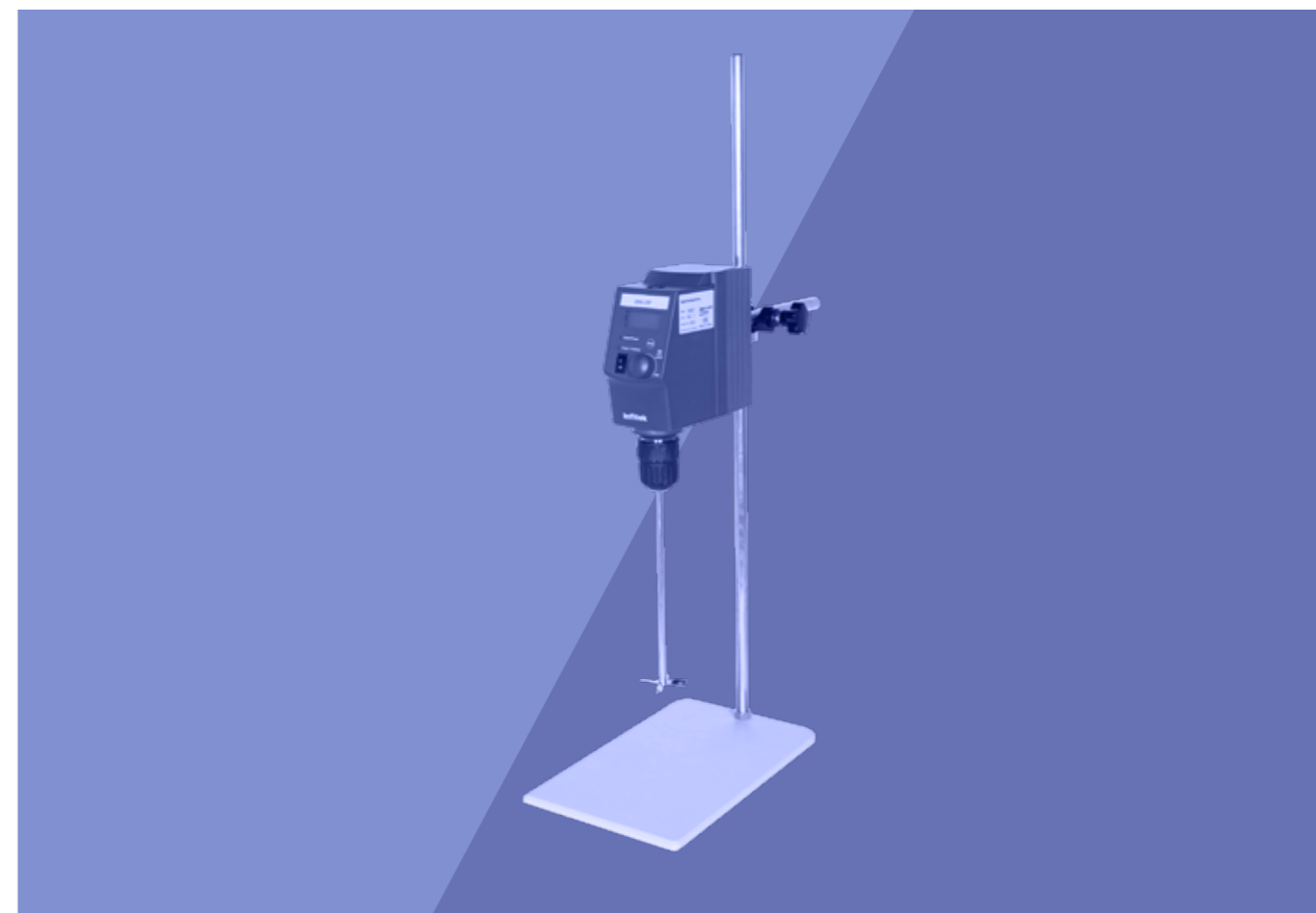
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Stirrer, LED Digital, Overhead Type

OHS-20 OHS-40

Features

- High reliability and outstanding performance.
- A wide range of speed from 50 to 2200rpm.
- Brushless DC motor for long life, maintenance free and explosion proof.
- LED screen for monitoring actual speed.
- Safety circuits allow for safe stop function in anti-stall or overload conditions.



Specifications

Model	OHS-20	OHS-40
Max. stirring quantity [H ₂ O]	20L	40L
Speed range	50~2200rpm	50~2200rpm
Max. torque	40N · cm	60N · cm
Viscosity max.	10000mPa · s	50000mPa · s
Weight	2.8kg	2.8kg
Motor type	Brushless DC motor	Brushless DC motor
Speed display	LED	LED
Overload protection display	LED	LED
Chuck range diameter	0.5~10mm	0.5~10mm
Motor input power	60W	120W
Motor output power	50W	100W
Power	70W	130W
Voltage	100~240V, 50/60 Hz	100~240V, 50/60 Hz
Dimension [WxHxD]	83 x 220 x 186mm	83 x 220 x 186mm
Protection class	IP21	IP21
Permissible ambient temperature and humidity	5~40°C, 80%RH	5~40°C, 80%RH

Stirrer, LED Digital, Overhead Type

OHS-20P OHS-40P OHS-70P



Features

- Speed 50~1100rpm with control accuracy of ±10rpm.
- Brushless DC motor for long life, maintenance free.
- Constant speed despite viscosity change of the sample.
- Spillage and overload protection safety circuits.
- Remote PC control and data transmission.
- Self - locking drill chuck, tools free.
- Stirring paddle "topcross" design, easy to replace the container.
- Start/run smoothly, prevent sample splatter or overflow.
- Silicone cover protecting drill chuck from erosive vapor.
- LCD display of set and actual speed, torque and time (for OS70).

Specifications

Model	OHS-20P	OHS-40P	OHS-70P
Max. stirring quantity [H ₂ O]	20L	40L	70L
Speed range	50~2200rpm	50~2200rpm	50~1100rpm
Speed display accuracy	±3rpm	±3rpm	±10rpm
Time settings range	-	-	0~99h59min
Max. torque	40N~cm	60N~cm	300N~cm
Viscosity max.	10000mPa·s	50000mPa·s	100000mPa·s
Weight	2.8kg	2.8kg	3.2kg
Motor type	Brushless DC motor		
Voltage	100~240V, 50/60 Hz		
Speed display	LCD		
Torque display	LCD		
Overload protection display	LCD		
Chuck range diameter	0.5~10mm		
Motor input/output power	60W/50W	120W/100W	180W/160W
Power	70W	130W	200W
Dimension [WxHxD]	83 x 220 x 186mm		
Protection class	IP21		
Permissible ambient temperature and humidity	5~40°C, 80%RH		
Data interface	RS232		



Accessories of Overhead Stirrers

Plate Stands

Universal Plate Stand (for OHS-20/OHS-20P/OHS-40/OHS-40P/OHS-70P)



Dimension [W×D×H]: 200mm×310mm×780mm
Material: stainless steel
Cat. No. 18900258





Grand Plate Stand (for OHS-70P)



Dimension [W×D×H]: 335mm×463mm×780mm
Material: stainless steel
Cat. No. 18900497

Stirrer

Stainless Steel Series(for OHS-20/OHS-20P/OHS-40/OHS-40P/OHS-70P)

<p>Cat No. 18900071</p>  <p>Propeller stirrer</p> <p>Shaft length 400mm Stirrer diameter 50mm Material: 304L stainless steel Standard stirring applications at medium and high speed</p>	<p>Cat No. 18900073</p>  <p>Paddle stirrer</p> <p>Shaft length 40cm Stirrer diameter 6.8cm Material: 304L stainless steel For gentle mixing at low and medium speed</p>
<p>Cat No. 18900072</p>  <p>Straight stirrer</p> <p>Shaft length 40cm Stirrer diameter 6cm Material: 304L stainless steel For low viscosity media at medium and high speeds</p>	<p>Cat No. 18900074</p>  <p>Centrifugal stirrer</p> <p>Shaft length 40cm Stirrer diameter 9cm Material: 304L stainless steel For narrow neck vessels at medium to high speed</p>

PTFE Coating Series(for OHS-20/OHS-20P/OHS-40/OHS-40P/OHS-70P)

<p>Cat No. 18900075</p>  <p>Propeller stirrer</p> <p>Shaft length 400mm Stirrer diameter 50mm Material: PTFE coated Standard stirring applications at medium and high speed</p>	<p>Cat No. 18900077</p>  <p>Paddle stirrer</p> <p>Shaft length 40cm Stirrer diameter 6.8cm Material: PTFE coated For gentle mixing at low and medium speed</p>
<p>Cat No. 18900076</p>  <p>Straight stirrer</p> <p>Shaft length 40cm Stirrer diameter 6cm Material: PTFE coated For low viscosity media at medium and high speeds</p>	<p>Cat No. 18900078</p>  <p>Centrifugal stirrer</p> <p>Shaft length 40cm Stirrer diameter 9cm Material: PTFE coated For narrow neck vessels at medium to high speed</p>

Grand Series (for OHS-20/OHS-20P/OHS-40/OHS-40P/OHS-70P)

<p>Cat No. 18900478</p>  <p>Grand propeller stirrer</p> <p>Shaft length 600mm Stirrer diameter 10cm Material: 316L stainless steel Standard stirrer</p>	<p>Cat No. 18900499</p>  <p>Grand paddle stirrer</p> <p>Shaft length 60cm Stirrer diameter 10cm Material: 316L stainless steel Gentle mixing for those stratify easily or sensitive to shear</p>
<p>Cat No. 18900498</p>  <p>Grand anchor stirrer</p> <p>Shaft length 60cm Stirrer diameter 10cm Material: 316L stainless steel Standard stirring or for those easily precipitate</p>	<p>Cat No. 18900500</p>  <p>Grand dissolving stirrer</p> <p>Shaft length 60cm Stirrer diameter 10cm Material: 316L stainless steel Breaking down granules in the mixture with strong shear</p>

Digital Overhead Stirrer

OHS-20S OHS-40S

OHS-20S OHS-40S digital overhead stirrer is suitable for medium to high viscosity

liquid or solid liquid mixing. It's mainly used in chemical synthesis, pharmaceutical, physical and chemical analysis, petrochemical, cosmetics, health products, food, biotechnology and other fields.

Features

- Large screen, aluminum alloy case;
- Display speed and torque, easy to operate;
- The rotational speed can be adjusted according to the consistency of the sample;
- Low noise
- overload protection and automatically cuts off the circuit
- The motor can turn in both directions

Specifications

Model	OHS-20S	OHS-40S
Capacity	20L	40L
Max.Viscosity	20000mpas	50000mpas
Max.Torque	40Ncm	60Ncm
Power	100w	130w
Weight	3.3kg	3.5kg
Voltage	AC100-240V 50-60Hz	
Speed	50-2200rpm	
Speed Accuracy	±3rpm	
Timing	1-99h59min	
Clamping	0.5-10mm	
Screen(inch)	TFT 3.5 inch	
Dimensions (W×D×H)(mm)	90 ×160×220	
RS232 Interface	Yes	
Turn in both directions	Yes	



Stirrer, Overhead Type

OHS-20B OHS-20E OHS-40E

Features

- Stainless steel head restraints, more durable.
- Digital display model, stirring has three modes: positive, reverse, positive and negative alternating.

Specifications

Model	OHS-20B	OHS-20E	OHS-40E	
Function	Max. Volume(L)	20	20	40
	digital	-	LCD	LCD
	Speed(r.p.m)	100~2500	100~2500	100~2500
	Working time	Continuous	Continuous	Continuous
Structure	Minimum revolution (r.p.m)	100	100	100
	Exterior	Plastic shell	Plastic shell	Plastic shell
	Driving mode	Motor	Motor	Motor
Controller	Motor power (kW)	0.06	0.06	0.08
	Continuous operation	Yes	Yes	Yes
	Setting mode	Scale	Digital	Digital
	Speed display mode	Scale	Digital	Digital
	Timer	No	Yes	Yes
Specification	Operation function	No	Yes	Yes
	Exterior size (W×L×H)(mm)	115×95×240	115×95×240	115×95×240
	Packing size (W×L×H)(mm)	400×250×210	400×250×210	400×250×210
	Plate size (mm)	200×300	200×300	200×300
	Plate load	50KG	50KG	50KG
	Power supply (50/60Hz) Current rating	100~240V	100~240V	100~240V
	NW/GW (kg)	5/6	6/7	7/8



Magnetic Stirrer

MGS-1C MGS-7S MGS-6P



Features

MGS-1C

- Maintenance free brushless DC motor.
- Speed range of 0-1500 rpm.
- Max. stirring quantity of H₂O at 20L.
- Stainless steel work plate cover with ceramic material provides good chemical resistance performance.

MGS-7S

- Speed range of 0-1500rpm.
- Max. stirring quantity of H₂O at 10L.
- Ceramic work plate provides excellent chemical resistant performance.

MGS-6P

- High resolution LCD displays actual speed.
- Brushless DC motor is maintenance free
- Aluminum cover with ceramic work plate provides good chemical resistant performance.
- Digital speed control with max. speed up to 1500rpm.
- Max. stirring quantity of H₂O at 5L.



Specifications

Model	MGS-1C	MGS-7S	MGS-6P
Work plate dimension [W×H]	φ 135mm (5 inch)	184×184mm (7 inch)	140 ×140mm
Work plate material	Stainless steel cover with ceramic	Glass ceramic	Aluminum cover with ceramic
Motor type	Brushless DC motor	Shaded pole motor	Brushless DC motor
Stirring positions	1	1	1
Max. stirring quantity [H ₂ O]	20L	10L	5L
Max. magnetic bar [length]	80mm	80mm	40mm
Speed range	0-1500rpm	0-1500rpm	200-1500rpm
Speed display	Scale	Scale	LCD
Protection class	IP42	IP21	IP21
Motor input power	18W	15W	2.4W
Motor output power	10W	1.5W	1.8W
Power	30W	30W	10W
Voltage	100-240V, 50/60Hz	100-120/200-240V,50/60Hz	100-240V, 50/60Hz
Dimension [W×D×H]	160×280×85mm	215×360×112mm	320×180×108mm
Weight	2.8kg	3.8kg	2.2kg
Permissible ambient temperature and humidity	5-40 C, 80%RH	5-40 C, 80%RH	5-40 C, 80%RH

Magnetic Stirrer

MGS-1A MGS-1B



Features

MGS-1A

- Digital speed control within the range of 0-1500rpm.
- Max. stirring quantity of H₂O at 3L.
- LED display shows speed.
- Nylon+GF housing provides a good performance of chemical resistance.

MGS-1B

- A wide range of 0-1500rpm.
- Max. stirring quantity of H₂O at 3L.
- Nylon+GF housing provides a good performance of chemical resistance.



Specifications

Model	MGS-1A	MGS-1B
Work plate dimension [W×H]	φ 135mm (5 inch)	φ 135mm (5 inch)
Work plate material	Nylon+GF	Nylon+GF
Motor type	Brushless DC motor	Brushless DC motor
Stirring positions	1	1
Max. stirring quantity [H ₂ O]	3L	3L
Max. magnetic bar [length]	50mm	50mm
Speed range	0-1500rpm	0-1500rpm
Speed display	LED	Scale
Protection class	IP42	IP42
Motor input power	5W	5W
Motor output power	3W	3W
Power	15W	10W
Voltage	100-120/200-240V, 50/60Hz	100-120/200-240V, 50/60Hz
Dimension [W×D×H]	150×260×80mm	150×260×80mm
Weight	1.8kg	1.8kg
Permissible ambient temperature and humidity	10-40 C, 80%RH	10-40 C, 80%RH

Magnetic Stirrer

MGS-F MGF-EcoR



MGS-F

With excellent stirring functionality, the compact shape of MGS-F takes less bench space and makes storage easier.

- A wide range of speed from 15 to 1500rpm.
- Automatic reverse rotation for excellent mixing.
- Protection class (IP65).
- PET top provides excellent chemical resistance.
- Ultra silence and vibration-free.

MGF-EcoR

MGS-EcoR is a magnetic stirrer customized for liquid mixing, suitable for chemical analysis, biology reagent mixing, regular laboratory experiments and liquid handling.

- Maintenance free brushless DC motor.
 - Rare earth magnets give powerful stirring.
 - Stepless speed regulation 300-2000rpm.
 - Ultra silence and vibration-free design.
- PET top provides excellent chemical resistance.
- Shaft can be fitted with a PH sensor or sensors for other purposes.



MGS-F

Specifications

Model	MGS-F	MGS-EcoR
Work plate Dimension	φ90mm	φ120mm
Work plate material	PET	PET
Motor type	Motorless	Brushless DC motor
Stirring positions	1	1
Max. stirring quantity [H ₂ O]	0.8 L	1.5 L
Max. magnetic bar [length]	40 mm	40 mm
Speed range	15-1500rpm	300-2000rpm
Speed setting	button	scale
Protection class	IP65	IP21
Motor output power	3 W	1.2 W
Power	5 W	7.2 W
Voltage	100-120/200-240V,50/60Hz	100-120/200-240V,50/60Hz
Dimension [W×D×H]	175×120×15mm	150×145×50mm
Weight	0.3 kg	0.3 kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH



MGF-EcoR

Magnetic Stirrer

MGS-EcoS



Square Plate Magnetic Stirrer with electrode holder has a reliable design and a powerful stirring ability. It is a basic and ideal tool for electrochemistry measurements or water & environment monitoring, drug or food analysis; liquid culture mixing, etc.

Features

- Compact design with small footprint, 12V voltage available for mobile labs.
- Square work plate supports 1.5L stirring capacity.
- Holder with clamp for Ph electrode or other sensor.
- Default PET top provides excellent chemical resistance.
- Extra colorful stickers satisfy DIY design by yourself.
- Maintenance free brushless DC moto.
- An economical choice of a reliable & durable magnetic stirrer with an electrode holder for stable & powerful stirring ability.



Specifications

Model	MGS-EcoS
Work plate size	120mm×115mm
Work plate material	PET
Motor type	Brushless DC Motor
Stirring position	1
Max. stirring quantity (H ₂ O)	1.5 L
Max. magnetic bar (length)	40 mm
Speed range	300rpm-2000rpm
Speed setting	Scale
Protection class	IP21
Motor output power	1.2 W
Power	7.2 W
Voltage	DC 12V
Dimension (W×D×H)	100V-240V, 50Hz/60Hz
Weight	150mm×144mm×54mm
Permissible ambient temp. & humidity	0.3 kg 5-40 °C 80%RH

Magnetic Stirrer

MGS-M8



MGS-M8 is a stirrer designed for high-efficiency experiments. It uses a DC brushless motor drive to effectively reduce the speed noise. Stainless steel silicone coated film surface, non-slip and corrosion resistant.



Features

- LCD display, beautiful appearance;
- BLDC motor, maintenance free;
- MGS-M8 positions, make full use of experimental instruments;
- The stirrer is operated synchronously to provide the same reaction conditions as the sample



Specifications

Model	MGS-M8
Voltage	AC100~120V/AC200~240V 50~60Hz
Position	8
Capacity	8x400ml
Power	30w
Dimension(mm)(W×D×H)	205x480x50mm
Timing	1m~99h59m
The Max.Length of Stirrers	46mm
Speed	200-1200 rpm
Motor	BLDC Motor
Plate material	Stainless with a silicone resin film
Screen	LCD

Magnetic Stirrer

MGS-M10



Features

- Maintenance-free brushless DC motor.
- Speed range of 0-1100rpm.
- Stainless steel work plate covered with silicone cushion, provides excellent performance of skid resistance.



Specifications

Model	MGS-M10
Work plate dimension [W×H]	180×450 mm
Work plate material	Stainless steel with silicone coating
Motor type	Brushless DC motor
Stirring positions	10
Max. stirring quantity [H ₂ O]	0.4L×10
Max. magnetic bar [length]	40mm
Speed range	0-1100rpm
Speed display	Scale
Protection class	IP21
Motor input power	12W
Motor output power	4W
Power	20W
Voltage	100-120/200-240V, 50/60Hz
Dimension [W×D×H]	622×205×65mm
Weight	3.2kg
Permissible ambient temperature and humidity	5-40 °C, 80%RH

Magnetic Stirrer

MGS-3R



Features

- LCD displays time.
- Compact, reliable and easy to use.
- White top plate adopts nano-ceramic technology, wear-resistant and corrosion-resistant.

Description

Magnetic Stirrer feature an exceptionally durable, chemical resistant white ceramic work surface. The space-efficient design makes them ideal for use on crowded benchtops. It is widely used in biotechnology, microbiology, medical analysis and other fields. The magnetic stirrer accept a wide variety of beakers, flasks, bottles and other laboratory vessels for stirring volume as large as 3 liters.

Specifications

Model	MGS-3R
Temp. setting range	/
Temp. control range	/
Timing range	1min~99h59min/∞
Temp. accuracy	/
Display accuracy	/
Speed range	200~1600rpm
Stir bar	30mm
Max. stir/heating volume(H ₂ O)	3L
Platform dimension	142*142mm
Power	15W
Electricity	AC110V or 220V/50-60Hz
Fuse	250V 3A Φ5*20
Dimension	293*186*92mm
Weight	2.3kg

Magnetic stirrer, Portable Type

MGS-Mini2 MGS-MiniE3



Features

- Shell is all plastic material (ABS), lightweight and durable.
- Mixing smoothly and fast, stirring speed Stepless adjustable

Specifications

Model	MGS-Mini2 With light	MGS-MiniE3 Without light
Function	Max. Volume(ml)	1000
	Speed(r.p.m)	100~500 or 100~2000
	Working time	Continuous
	Minimum revolution(R.P.M.)	100
Structure	Exterior	Plastic
	Plate size	120mm
	Driving mode	Motor
	Motor power	0.01kW
Controller	Continuous operation	Yes
	Setting mode	Scale
	Speed display mode	Scale
	Timer	No
	Operation function	No
	Speed &Temp.Sensor	No
Specification	Exterior size (W*L*H)(mm)	∅ 138*60
	Packing size (W*L*H)(mm)	210*170*88
	Plate size (mm)	∅ 128
	Power supply (50/60Hz) Current rating	100V~240V
	NW/GW (kg)	0.6/0.7

Magnetic Stirrer, Four Rows Multi-Position

MGS-6

MGS-7



Features

- 4 unit Stainless hotplate can work together or separately.
- Stirring speed is stepless adjusted.



Specifications

Model		MGS-6	MGS-7
Function	Max. volume(ml)	1000ml*4	3000ml*4
	Speed(r.p.m)	100~2000	
	Working time	Continuous	
	Minimum revolution	100	
Structure	Exterior	Cold plate spraying, stainless steel plate	
	Driving mode	Motor	
	Motor power	0.01kW	0.02kW
Controller	Continuous operation	Yes	
	Setting mode	Scale	
	Speed display mode	Scale	
	Timer	No	
	Operation function	No	
Specification	Exterior size (W*L*H)(mm)	300*270*80	400*320*120
	Packing size (W*L*H)(mm)	340*310*110	440*360*150
	Plate size (mm)	300*250	400*300
	Plate load	5KG	20KG
	Power supply (50/60Hz) Current rating	110 or 220V	
	NW/GW (kg)	3/3.6	6/7

Hotplate Magnetic Stirrer, Temp. 380°C



HPS-380-1

Features

- Max. heating temperature is 380°C.
- High resolution LCD displays actual temperature and speed.
- Brushless DC motor is maintenance free.
- Aluminum cover with ceramic work plate, allows for immediate heat transfer.
- External temperature control is possible with temperature sensor PT1000.
- Digital temperature control with max. temperature at 380°C.
- Digital speed control with max. speed up to 1500rpm.
- Max. stirring quantity of H₂O at 5L.



Specifications

Model	HPS-380-1
Work plate dimension [W×H]	140×140 mm
Work plate material	Aluminum cover with ceramic coating
Motor type	Brushless DC motor
Stirring positions	1
Max. stirring quantity [H ₂ O]	5L
Max. magnetic bar [length]	50mm
Speed range	200-1500rpm
Speed display	LCD
Temperature display	LCD
Heating temperature range	Room temp: +5 C-380 C
Over heat protection	420 C
Temperature display accuracy	±0.1 C
External temperature sensor	PT1000 (accuracy ±0.5 C J)(Optional)
Control accuracy of sensor	±20rpm
Protection class	IP21
Motor rating input	2.4W
Motor rating output	1.8W
Power	510W
Heating output	500W
Voltage	100-120/200-240V, 50/60Hz
Dimension [W×D×H]	320×180×108mm
Weight	2.2kg
Permissible ambient temperature and humidity	5-40 C, 80%RH

Hotplate Magnetic Stirrer

HPS-550p HPS-550



HPS-550P



HPS-550

Features

- LCD display for precise monitoring of speed and temperature.
- Digital speed controlling, max. speed at 1500rpm.
- Max. heating plate temperature 550°C.
- External temperature control is possible by connecting the temperature sensor (PT1000) with an accuracy at $\pm 0.2^\circ\text{C}$.
- The "HOT" warning will flash when the work plate temperature is above 50°C even when the hotplate is turned off.
- Built-in PID controller ensures safe heating of the medium with overheating protection.
- Glass ceramic work plate provides excellent chemical resistant performance and most efficient heat transfer.
- Outstanding brushless DC motor enables more stirring power.
- Two rotating knobs enable easy adjustment of speed and temperature.
- Remote function provides PC control and data transmission.

Specifications

Model	HPS-550P	HPS-550
Work plate Dimension [W x D]	184x184mm (7 inch)	184x184mm (7 inch)
Work plate material	Glass ceramic	Glass ceramic
Motor type	Brushless DC motor	Shaded pole motor
Stirring positions	1	1
Max. stirring quantity, [H ₂ O]	20L	10L
Max. magnetic bar [length]	80mm	80mm
Speed range	100-1500rpm resolution ± 1 rpm	0-1500rpm
Speed display	LCD	Scale
Temperature display	LCD	LED
Heating temperature range	Room Temp.-550°C, increment 1°C	Room temp.-550°C, increment 5°C
Temperature control accuracy	$\pm 1^\circ\text{C}$ (< 100°C) $\pm 1\%$ (> 100°C)	$\pm 10^\circ\text{C}$
Overheating protection	580°C	580°C
Temperature display accuracy	$\pm 0.1^\circ\text{C}$	$\pm 1^\circ\text{C}$
External temperature sensor	PT1000 (accuracy ± 0.2)	PT1000 (accuracy ± 0.2)
"Hot" warning	50°C	50°C
Data connector	RS232	-
Protection class	IP21	IP21
Motor rating input	18W	15W
Motor rating output	10W	1.5W
Power	1050W	1030W
Heating output	1000W	1000W
Voltage	100-120/200-240V 50/60Hz	100-120/200-240V 50/60Hz
Dimension [WxDxH]	215x360x112mm	215x360x112mm
Weight	5.3kg	4.5kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH

Combination Stirring Hotplates

HPS-350-3R



Features



LCD displays speed, temperature and time.



Unique heating method, up to 350C.



Compact, reliable and easy to use.



Over-heating protection device is included.

External PT1000 temperature sensor can be used to achieve precise temperature control of samples.

White top plate adopts nano-ceramic technology, wear-resistant and corrosion-resistant.

Stainless steel heating plate, with high-performance heating device and high-precision temperature control device.

Special design of red water lamp to remind overheating when heat plate is above 50C.



Description

Hotplate feature an exceptionally durable, chemical resistant white ceramic work surface.

The space-efficient design makes them ideal for use on crowded benchtops.

It is widely used in biotechnology, microbiology, medical analysis and other fields, accepting a wide variety of beakers, flasks, bottles and other laboratory vessels for heating volume as large as 3 liters.



Specifications

Model	HPS-350-3R
Temp. setting range	0C~350°C
Temp. control range	RT.+ 5°C~350°C
Timing range	1min~99h59min/∞
Temp. accuracy	±1°C (@<100°C), ±1%(@>100°C)
Display accuracy	1°C
Speed range	200~1600rpm
Stir bar	30mm
Max. stir/heating volume(H ₂ O)	3L
Platform dimension	142*142mm
Power	500W
Electricity	AC110V or 220V/50-60Hz
Fuse	250V 3A Φ5*20
Dimension	293*186*107mm
Weight	2.6kg

Hotplate Magnetic Stirrer

HPS-340PT **HPS-340**



Features

HPS-340PT

- Brushless DC motor is maintenance free and explosion-proof
- Digital temperature control with max. temperature at 340°C
- Digital speed control with max. speed up to 1500rpm
- Max. stirring quantity of H2O at 20L
- Safety circuits provide overheating protection
- The "HOT" warning will flash if the plate temperature is above 50°C even when the hotplate is turned off
- High-resolution LCD display shows actual temperatures and speed
- External temperature control is possible by connecting the temperature sensor (PT 1000) with accuracy at ±0.2°C
- Stainless steel work plate with ceramic coating provides good chemical-resistant performance
- Remote function provides PC control and data transmission
- A wide variety of accessories are available

HPS-340

- Maintenance free brushless DC motor
- Max. temperature to 340°C
- Stirring speed up to 1500 rpm
- Stainless steel work plate with ceramic coating provides good chemical-resistant performance
- Safety circuits provide overheating protection
- A wide variety of accessories are available



Specifications

Model	HPS-340PT	HPS-340
Work plate dimension	φ135mm(5 inch)	φ135mm(5 inch)
Work plate material	stainless steel cover with ceramic	stainless steel cover with ceramic
Motor type	Brushless DC motor	Brushless DC motor
Stirring positions	1	1
Max. stirring quantity [H2O]	20L	20L
Max. magnetic bar[length]	80mm	80mm
Speed range	100-1500rpm resolution±1rpm	0-1500rpm -
Speed display	LCD	Scale
Temperature display	LCD	Scale
Heating temperature range	Room temp.-340°C, increment 1°C	Room temp.-340°C
Temperature control accuracy	±1°C(<100°C) ±1%(>100°C)	- 420°C
Over temperature protection	420°C	±0.5°C
Temperature display accuracy	±0.1°C	-
External temperature sensor	PT1000 (accuracy ±0.2)	-
"Hot" warning	50°C	-
Timer function	1min~99h59min	-
Data connector	RS232	IP42
Protection class	IP42	18W
Motor rating input	18W	10W
Motor rating output	10W	530W
Power	550W	500W
Heating output	500W	100-120/200-240V
Voltage	100-120/200-240V 50/60Hz	50/60Hz
Dimension [WxDxH]	160×280×85mm	160×280×85mm
Weight	2.8kg	2.8kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH

Magnetic Hotplate Stirrer, 340 °C

HPS-340A



Features

- Digital control with max. temperature at 340 °C , max. speed up to 1500rpm.
- Aluminum alloy work plate with flat plane provides fast heating performance, and strong compatibility with various heating containers and heating blocks.
- High-resolution LCD display shows actual temperatures and speed.
- PID controller ensures a precise and steady heating process.
- External temperature control is possible by connecting the temperature sensor (PT 1000) with accuracy at ±0.2°C.
- Brushless DC motor enables more powerful speed control.
- Three heating modes for selected (fast heating, standard heating and stable heating).
- Remote control function through RS232 interface provides PC control and data transmission.



Specifications

Model	HPS-340A
Work plate dimension	φ135 mm (5 inch)
Work plate material	Aluminum
Motor type	Brushless DC motor
Heating temperature range	Room temp.-340 °C ,
increment	1 °C
Temperature display accuracy	±0.1 °C
Speed range	100-1500rpm resolution±1rpm
Max. stirring quantity [H2O]	20L
Speed display	LCD
Temperature display	LCD
Max. magnetic bar[length]	80mm
Temperature control accuracy	±1°C(<100 °C) ±1%(>100 °C)
External temperature sensor	PT1000 (accuracy ±0.2 °C)
Over temperature protection	420 °C
"Hot" warning	50 °C
Data connector	RS232
Protection class	IP21
Voltage	100~120/200-240V 50/60Hz
Heating power	600w
Power	650w
Motor rating input	18w
Motor rating output	10w
Dimension [WxDxH]	280×160×100mm
Weight	2.8kg
Permissible ambient temperature and humidity	5-40 °C ; 80%RH



- International safety certification: obtained the CE, CTÜVus, FCC and other product safety certifications issued by TUV Rheinland
- Safety circuits provide overheating protection
- The "HOT" warning will flash if the plate temperature is above 50°C even when the hotplate is turned off
- Brushless DC motor is maintenance free and explosion-proof
- Fully enclosed aluminum alloy housing with good heat dissipation performance and reliable protection capability

Hotplate Magnetic Stirrer

HPS-280



Features

- Digital temperature control with max. temperature up to 280°C.
- Digital speed control with max. speed up to 1500rpm.
- Stainless steel work plate with ceramic coating provides good chemical resistant performance.
- External temperature control is possible by connecting the temperature sensor (PT1000) with an accuracy at ±0.5°C.
- LED display shows temperature and speed.
- The "HOT" warning will flash when the work plate temperature is above 50°C even if the hotplate is turned off.



Specifications

Model	HPS-280
Work plate Dimension	φ135mm (5 inch)
Work plate material	Stainless steel cover with ceramic
Motor type	Brushless DC motor
Stirring positions	1
Max. stirring quantity	3L
Max. magnetic bar[length]	50mm
Speed range	200-1500rpm
Speed display	LED
Temperature display	LED
Speed display resolution	±1rpm
Heating temperature range	Room temp.-280, increment 1°C
Control accuracy of work plate	±1°C(<100°C) ±1%(>100°C)
Overheating protection	320°C
Temperature display accuracy	±1°C
External temperature sensor	PT1000 (accuracy ±0.5°C)
"Hot" warning	50°C
Protection class	IP21
Motor rating input	5W
Motor rating output	3W
Power	515W
Heating output	500W
Voltage	100-120/200-240V 50/60Hz
Dimension [WxDxH]	150x260x100mm
Weight	1.8kg
Permissible ambient temperature and humidity	5-40°C, 80%RH

Conventional Hotplates

HPS-M340-S4



Features

- Independent heating and stirring control.
- LCD display shows actual temperatures and speed.
- PID controller ensures a precise and steady heating process, Max. temperature up to 340°C.
- Brushless DC motor enables more powerful speed control.
- External temperature sensor(PT1000) with accuracy at 0.2°C.
- Overheating protection temperature at 420°C.

- Stainless steel work plate with ceramic coating provides good chemical resistant performance.
- A wide variety of accessories are available.

Specifications

Model	HPS-M340-S4
Work plate dimension	Φ135mm (5 inch)
Plate material	Stainless steel with ceramic coating
Motor type	Brushless DC motor
Stirring positions	4
Max. stirring quantity of single position (H2O)	10L
Max. magnetic bar	40mm
Speed range	200-1500rpm
Speed display	LCD
Temperature display	LCD
Control accuracy of sensor	±20rpm
Temperature range	25-340°C
Over temperature protection	420°C
Temperature display accuracy	±0.1°C
External temp. sensor	PT1000 (Accuracy±0.2°C)
IP Protection class	IP21
Motor rating input	1.8W×4
Power	515W×4
Heating Power	500W×4
Voltage	100-120V,60Hz; 200-240V,50 Hz
Dimensions [WxDxH]	698x270x128mm
Weight	9.5kg
Permissible ambient temperature	5~40°C
Permissible relative humidity	80%RH

Magnetic Hotplate Stirrer

HPS-M120-S10



Features

- Maintenance-free brushless DC motor.
- Max speed 1100rpm.
- Max. temperature 120°C.
- Stainless steel work plate, covered with silicone cushion, provides the excellent performance of heating uniformity and skid resistance.



Specifications

Model	HPS-M120-S10
Work plate dimension [W x D]	180x450mm
Work plate material	Stainless steel with silicone
Motor type	Brushless DC motor
Stirring positions	10
Max. stirring quantity	0.4Lx10
Max. magnetic bar[length]	40mm
Speed range	0-1100rpm
Speed display	scale
Temperature display	scale
Heating temperature range	Room temp.-120°C
Overheating protection	140°C
Protection class	IP42
Motor rating input	12W
Motor rating output	4W
Power	490W
Heating output	470W
Voltage	100-120/200-240V 50/60Hz
Dimension [WxDxH]	182x622x65mm
Weight	3.2kg
Permissible ambient temperature and humidity	5-40°C, 80%RH

Magnetic Hotplate Stirrer

HPS-340PII



Magnetic Stirrers adopts special ceramic table top heating technology and are widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals and other fields. Instrument has a full line of stirrer, hotplate stirrer and hot plate available for different scientific research applications and they are built for functionality, safety and durability.

Features

- LCD display
- Surface is easy to clean
- Safe and strong stirring performance
- Hot surface warning to prevent burns
- Automatically identifies temperature sensor



Specifications






Model	HPS-340PII
Voltage	AC100-120V/AC200-240V 50-60Hz
Hotplate Dimension(WxL)	137mm
Plate Material	Stainless coated ceramics
Temp	R.T.1+5 °C ~350 °C
Temp. Display Accuracy	±3 °C
Speed	100~1500rpm
Stirring Quantity	1
Max Stirring Quantity (H2O)	20L
Max Stir Bar	80mm
Safety Temp	390 °C
External Temperature Sensor	PT1000
Power	550W
Dimension(WxDxH)	170x275x76mm
Weight	2.2kg

Combination Stirring Hotplate

HPS-M120-8



Features

-  LCD display.
-  Stable temperature and Max. Temperature is 120 C.
-  Multi channels improve efficiency.
-  Stirrer bars running synchronously ensure samples uniformity.
-  Maintenance free brushless DC motor.

Specification

Model	HPS-M120-8
Speed Range	200-1200 rpm
Max.Capacity	8*400mL
Stirring Position	8
Max.Stirring Bar Length	46mm
Working Surface	Stainless steel coated silicone film
Motor	Brushless DC motor
Display	LCD
Temperature	RT. +5~120 C
Safe Temperature	140 C
Power	400W
Electricity	AC100~120V/AC200~240V,50~60Hz
Dimension (W*D*H)	205*480*50mm
N.W./G.W.	5.4kg/64kg
Shipping Dimension (L*W*H)	520*350*200mm

Description

- HPS-M120-8 is a hotplate stirrer designed for high efficiency experiments. The maintenance free brushless DC motor working with low noise. Working surface adopts stainless steel coated silicone film which is non-slip and corrosion resistant.

Hotplates

HPT-350-3R



Description

- Hotplate feature an exceptionally durable, chemical resistant white ceramic work surface. The space-efficient design makes them ideal for use on crowded benchtops. It is widely used in biotechnology, microbiology, medical analysis and other fields, accepting a wide variety of beakers, flasks, bottles and other laboratory vessels for heating volume as large as 3 liters.

Features

- LCD displays speed, temperature and time.
- Compact, reliable and easy to use.
- Unique heating method, up to 350C.
- Stainless steel heating plate, with high-performance heating device and high-precision temperature control device.
- External PT1000 temperature sensor can be used to achieve precise temperature control of samples.
- Special design of red water lamp to remind overheating when heat plate is above 50C.
- White top plate adopts nano-ceramic technology, wear-resistant and corrosion-resistant.
- Over-heating protection device is included.

Specifications

Model	HPT-350-3R
Temp. setting range	0°C~350°C
Temp. control range	RT.+ 5°C~350°C
Timing range	1min~99h59min/∞
Temp. accuracy	±1°C (@<100°C), ±1%(@>100°C)
Display accuracy	1°C
Speed range	/
Ma*. stir bar	/
Ma*. stir/heating volume(H2O)	3L
Platform dimension	142*142mm
Power	500W
Electricity	AC110V or 220V/50-60Hz
Fuse	250V 3A Φ5*20
Dimension	293*186*107mm
Weight	2.5kg

Hotplate, IP21 Class Ceramic Coating

HPT-380P



Features

- Max. heating temperature is 380°C
- High resolution LCD displays actual temperature
- Aluminum cover with ceramic work plate, allows for immediate heat transfer
- External temperature control is possible with temperature sensor PT1000



Specifications

Model	HPT-380P
Work plate dimension	140x140mm
Work plate material	Aluminum over with ceramic coating
Temperature display	LCD
Heating temperature range	Room temp. ±5 C-380 C
Over heat protection	420 C
Temperature display accuracy	±0.1 C
External temperature sensor	PT1000 (accuracy ±0.5 C)
Protection class	IP21
Power	510W
Heating output	500W
Voltage	100-120/200-240V,50/60Hz
Dimension [W×D×H]	320x180x108mm
Weight	2.2kg
Permissible ambient temperature and humidity	5-40 C 80%RH

Hotplate, 350 degree

HPT-350-5A/5C

HPT-350-6A/6C HPT-350-8A/8C

HPT-350-7A/7C HPT-350-9A/9C



Features

- Aluminum hot plate, uniform surface temperature
- Heating up fast and uniform, heating power is stepless adjustable
- Digital hot plate has the more functions as follows: digital display can read the temperature more clearly

Specifications

Model	HPT-350-5A/5C	HPT-350-6A/6C	HPT-350-7A/7C	HPT-350-8A/8C	HPT-350-9A/9C	
Working time	Continuous					
	Max Temp. (C) 200 C					
Structure	Outer Shell Iron plate welding, surface spraying					
	Hot plate Aluminum tensile					
	Driving mode No					
Controller	Heating power(W)	1200	1800	2000	2600	3000
	Continuous operation	Yes	Yes	Yes	Yes	Yes
	Setting method	Scale/Digital	Scale/Digital	Scale/Digital	Scale/Digital	Scale/Digital
	Timer	No/Digital	No/Digital	No/Digital	No/Digital	No/Digital
	Operation function	No	No	No	No	No
	Temperature sensor	K model	K model	K model	K model	K model
	Exterior size (W*L*H)(cm)	34*37*22	42*50*22	45*47*22	42*65*22	47*65*22
	Plate size (mm)	300*300	350*450	400*400	350*600	400*600
	Plate load	20KG	30KG	30KG	38KG	40KG
	Power supply (50/60Hz)	220V	220V	220V	220V	220V
NW/GW (kg)	6.2/7	8.4/9.6	8.5/9.8	11/13	12/14.2	

Conventional Hotplates

HPT-350-3C HPT-350-4C HPT-350-3B
HPT-350-4B HPT-350-3A HPT-350-4A



Electric heating plate is widely used in food, agriculture, soil, environmental protection, food, scientific research institutes, colleges and universities and other laboratories; and it can be used for sample heating, drying, digestion and acid driving.



Features

Aluminium alloy plate—adopt 6061 aluminum alloy, with large effective heating area and fast heating, that is energy-saving, highly efficient, corrosion resistant, and its design temperature can reach 400 °C.

Plate with static pressure graphite surface - design temperature can reach 550 °C and its heating element is made by new technology and new method. Its plate surface has high thermal conductivity and good temperature uniformity. Therefore, it is an ideal instrument for heating, sample digestion and acid driving.

B、C Series Product

Vertical structure, the instrument control room adopts the axial cooling fan with strong cooling measures to prevent the influence of long-term application on electrical components and control systems, hence fully guarantee the reliable operation of the system.

The intelligent temperature control system adopts 5-inch color touch screen, and the information display is detailed, easy to understand and operate.

The input method of recipe program is tabular fast input method with clear logic, fast speed and not easy to go wrong.

0-40 sections of program can be arbitrarily selected and set.

Dual-mode of single point heating and curve heating that can be arbitrarily selected.

Intelligent P, I, D self-adjustment with high precision, reliability and stability.

electrical control system uses solid state relay (regulating module) for mute and strong anti-interference capability.

Segmented power supply and restart function to avoid power failure preventing potential risks.

A Series Product

Horizontal structure, using liquid crystal temperature controller, with timing shutdown function and PID intelligent control, therefore is cost-effective.

Specifications

Model	HPT-350-3C	HPT-350-4C	HPT-350-3B	HPT-350-4B	HPT-350-3A	HPT-350-4A
Bed dimension	400*300	600*400	400*300	600*400	400*300	600*400
Bed material	Graphite		Aluminum alloy coating			
Designed temperature	RT-550 °C		RT-400 °C			
Temperature control accuracy	±1 °C					
Operating system	5 inch color touch screen, Chinese and English conversion				liquid crystal	
Control mode	Dual-mode of 1-40 sections of the curve (program) heating / single point heating, with segmented power supply				Single point temp control	
Recipe management	9 groups Not applicable					
Timing shutdown	1 - 999 minutes for any setting					
Working voltage	AC220V/50Hz					
Heating power	3000W	4000W	3000W	4000W	3000W	4000W

HotPlate

HPT-320-5B **HPT-320-8B** **HPT-320-9B**
HPT-350-5B **HPT-350-8B** **HPT-350-9B**
HPT-400-5B **HPT-400-8B** **HPT-400-9B**

Features

- Aluminum hot plate or Graphite hot plate, uniform surface temperature
- Heating up fast and uniform.
- Plate temp. Uniformity improved more.



Specification

Model	HPT-320-5B	HPT-320-8B	HPT-320-9B	HPT-350-5B	HPT-350-8B
Work plate dimension(mm)	300×300	350×450	400×600	300×300	350×450
Work plate load(kg)	20	30	40	20	30
Work plate material	Aluminum-tensile	Aluminum-tensile	Aluminum-tensile	Aluminum-tensile	Aluminum-tensile
Time setting	No	No	No	0~9999min/h	0~9999min/h
Temperature setting	Scale	Scale	Scale	Digital display	Digital display
Max Temp.(℃)	320	320	320	350	350
Temp. accuracy	±10%	±10%	±10%	±1%	±1%
Plate Temp. uniformity	±15%	±15%	±15%	±10%	±10%
Temperature sensor	K model	K model	K model	K model	K model
Heating power(W)	800	1500	2200	1200	2400
Power supply(50/60Hz)	220V	220V	220V	220V	220V
Plug	Yes	Yes	Yes	Yes	Yes
Exterior size(W×L×H) (mm)	340×370×220	420×500×220	470×650×220	340×370×220	420×500×220
Packing size(W×L×H) (mm)	520×380×250	560×520×250	660×620×250	520×380×250	560×520×250
NW/GW (kg)	9/10	11/12	15/17	9/10	11/12

Model	HPT-350-9B	HPT-400-5B	HPT-400-8B	HPT-400-9B
Work plate dimension(mm)	400×600	300×300	350×450	400×600
Work plate load(kg)	40	20	30	40
Work plate material	Aluminum-tensile	Graphite Plate	Graphite Plate	Graphite Plate
Time setting	0~9999min/h	0~9999min/h	0~9999min/h	0~9999min/h
Temperature setting	Digital display	Digital display	Digital display	Digital display
Max Temp.(℃)	350	400	400	400
Temp. accuracy	±1%	±1%	±1%	±1%
Plate Temp. uniformity	±10%	±10%	±10%	±10%
Temperature sensor	K model	K model	K model	K model
Heating power(W)	3500	1800	3000	4500
Power supply(50/60Hz)	220V	220V	220V	220V
Plug	No	Yes	Yes	No
Exterior size(W×L×H) (mm)	470×650×220	340×370×220	420×500×220	470×650×220
Packing size(W×L×H) (mm)	660×620×250	550×410×270	600×560×270	700×660×270
NW/GW (kg)	15/17	12/13.5	19/20	28/30

Hotplate Magnetic Stirrer, 380 Degree



HPT-380-2A **HPT-380-3A** **MGS-2** **MGS-3**
HPS-380-2 **HPS-380-3**

Features

- Heating power and stirring speed is stepless adjustable.
- With adjustable Thermometer Rack, Stainless Steel Rods and the Stir Bar.



Specifications

Model	Hotplate	Magnetic Stirrer	Combination Stirring Hotplate	Hotplate	Magnetic Stirrer	Combination Stirring Hotplate
	HPT-380-2A	MGS-2	HPS-380-2	HPT-380-3A	MGS-3	HPS-380-3
Function	Max.Volume (ml)	-	2000	2000	-	5000
	Speed(r.p.m)	-	100~2000	100~2000	-	100~2000
	Working time	Continuous	Continuous	Continuous	Continuous	Continuous
	Minimum revolution(r.p.m)	-	100	100	-	100
	Max.Temp. (℃)	380	-	380	380	-
Structure	Exterior	Cast aluminium, Surface spraying				
	Platesize(mm)	120×120	120×120	120×120	170×170	170×170
	Driving mode	-	Motor	Motor	-	Motor
	Motor power (W)	-	10	10	-	20
	Heating Power(kW)	0.18	-	0.18	0.5	-
Controller	Stir bar	-	PTFE	PTFE	-	PTFE
	Continuous operation	Yes	Yes	Yes	Yes	Yes
	Setting mode	Scale	Scale	Scale	Scale	Scale
	Speed display mode	-	Scale	Scale	-	Scale
	Timer	No	No	No	No	No
	Operation function	No	No	No	No	No
	Temp. Sensor	No	No	No	No	No
Specification	Exterior size (W*L*H)(mm)	200×120×90	200×120×90	200×120×90	265×185×190	265×185×190
	Packing size (W*L*H)(mm)	250×180×120	250×180×120	250×180×120	280×210×220	280×210×220
	Plate size (mm)	120×120	120×120	120×120	170×170	170×170
	Plate load	3KG	3KG	3KG	10KG	10KG
	Power supply (50/60Hz)	110V or 220V	110V or 220V	110V or 220V	110V or 220V	110V or 220V
	Current rating					
	NW/GW (kg)	1.9/3	1.9/3	1.9/3	2.2/3.4	2.2/3.4

Hotplate Magnetic Stirrer 380 degree, Ceramic Type

HPT-380-4A MGS-4 HPS-380-4 HPS-350-4 HPS-350-4S



Product Description

Stretched shell and cover prevent leaking.

Heating and stirring can proceed simultaneously.



Features

HPS-350-4

- Setting temperature precisely. And stirring speed stepless adjustable.
- Large LCD display, temperature and rotate speed can be displayed simultaneously.
- Double sensors: outer PT100 temperature sensor to control liquid temperature precisely ,inner K model sensor to control hot plate temperature.
- K mode sensor to control hot plate temperature.

HPS-350-4S

- Setting temperature and stirrer speed precisely, and stirring speed stepless adjustable.
- With speed switch to start or stop stirring at any time.
- Timing function (0-9999min), time adjustable under artificial requirement. Audible and visual alarm equipped.
- Double sensors: outer PT100 temperature sensor to control liquid temperature precisely, inner K model sensor to control hot plate temperature.
- One key to shift inside and outside sensor easily and precisely.
- Large screen LCD display can indicate temperature, rotational speed and timing at the same time.

Specifications

Model	Conventional Hotplates	Magnetic Stirrers	Combination Stirring Hotplates			
	HPT-380-4A	MGS-4	HPS-380-4	HPS-350-4	HPS-350-4S	
Function	Model	Heating	Stirring	Heating + Stirring	Digital+ Heating + Stirring	
	Max. Volume(ml)	5000	5000	5000	5000	
	Speed(r.p.m)	-	200~2000	200~2000	200~2000	
	Working time	Continuous	Continuous	Continuous	Continuous	
	Minimum revolution (R.P.M.)	-	200	200	200	
	Max. temp (C)	380	-	380	350	
Structure	Exterior	Iron plate welding, surface spraying				
	Heating plate	Ceramic Coated				
	Driving mode	-	Motor	Motor	Motor	Motor
	Motor power (W)	-	20	20	20	20
	Heating power(kW)	0.6	-	0.6	0.6	0.6
	Stir bar	no	PTFE	PTFE	PTFE	PTFE
Controller	Continuous operation	yes	yes	yes	yes	yes
	Setting mode	Scale	Scale	Scale	Digital	Digital
	Speed display mode	Scale	Scale	Scale	Digital	Digital
	Timer	no	no	no	no	yes
	Operation function	no	no	no	no	yes
	Sensor	no	no	no	PT100	PT100
Specification	Exterior size (W×L×H)(mm)	320×190×125	320×190×125	320×190×125	320×190×125	320×190×125
	Packing size(W×L×H)(mm)	390×240×230	390×240×230	390×240×230	390×240×230	390×240×230
	Plate size (mm)	190×190	190×190	190×190	190×190	190×190
	Plate load	10KG	10KG	10KG	10KG	10KG
	Power supply (50/60Hz)	110V or 220V	110V or 220V	110V or 220V	110V or 220V	110V or 220V
	Current rating					
	NW/GW (kg)	5/6	5/6	5/6	5/6	5/6

Electronic Control Heating Mantle

HMA-1 HMA-2 HMA-5 HMA-10 HMA-20 HMA-40
 HMA-60 HMA-100 HMA-200 HMA-400



Features

- Electronic temperature regulation mode with characteristics of step-less speed adjustable (RT+5 °C~450 °C)



Specifications

Model	HMA-1	HMA-2	HMA-5	HMA-10	HMA-20	HMA-40	HMA-60	HMA-100	HMA-200	HMA-400
Capacity(ml)	50	100	250	500	1000	2000	3000	5000	10000	20000
Heating Mode	Surface heat-conduction									
Surface Max. Temp.(°C)	450									
Heating element	Nichrome wire									
Thermal insulation cotton	High quality aluminum silicate cotton									
Shell	Cold rolled steel plate, surface spraying									
Heat power (kW)	0.08	0.1	0.15	0.25	0.35	0.45	0.6	0.8	1.2	2.5
Working Mode	Continuous									
Exterior Size (mm)	φ220x165				φ280x220	φ330x230	φ340x245	φ350x250	φ425x320	φ470x340
Packing Size (mm)	230x230x195				290x290x300	340x340x350	360x360x300	390x390x310	430x430x350	510x510x380
Voltage(V)	100 ~ 120V or 200 ~ 240V						200 ~ 240V			
N.W.(Kg)	2.5				5.5	6.5	7.5	8	9.8	16
G.W. (Kg)	2.8				6	7	8	9.2	12	20

Digital Display Heating Mantle



HMD-1 HMD-2 HMD-5 HMD-10 HMD-20 HMD-40
 HMD-60 HMD-100 HMD-200 HMD-400

Features

- PID Single Screen Temperature controller. Fast heating, temperature uniformity and high precise temperature control.
- Several Rows type, produce as Customer inquiry, beautiful shape, easy to operate and effective.
- PT100 Temperature sensor, with Adjustable Sensor Rack and Stainless Rods.



Specifications

Model	HMD-1	HMD-2	HMD-5	HMD-10	HMD-20	HMD-40	HMD-60	HMD-100	HMD-200	HMD-400
Capacity(ml)	50	100	250	500	1000	2000	3000	5000	10000	20000
Heating Mode	Surface heat-conduction									
Surface Max. Temp.(°C)	450 °C									
Temperature control range	RT+20 ~ 250 °C									
Heating element	Nichrome wire									
Shell(Insulation Layer)	High quality aluminum silicate cotton									
Heat power (kW)	0.08	0.1	0.15	0.25	0.35	0.45	0.6	0.8	1.2	2.5
Working Mode	Continuous									
Exterior Size (mm)	φ220x165				φ280x220	φ330x230	φ340x245	φ350x250	φ425x320	φ470x340
Packing Size (mm)	230x230x195				290x290x300	340x340x350	360x360x300	390x390x310	430x430x350	510x510x380
Voltage(V)	100 ~ 120V or 200 ~ 240V						200 ~ 240V			
N.W.(Kg)	2.5				5.5	6.5	7.5	8	9.8	16
G.W. (Kg)	2.8				6	7	8	9.2	12	20

Magnetic Stirring Heating Mantle

HMSA-1 HMSA-2 HMSA-5 HMSA-10 HMSA-20
HMSA-40 HMSA-60 HMSA-100 HMSA-200 HMSA-400



Features

- Heating and stirring can be used simultaneously, step-less speed adjustable.



Specifications

Model	HMSA-1	HMSA-2	HMSA-5	HMSA-10	HMSA-20	HMSA-40	HMSA-60	HMSA-100	HMSA-200	HMSA-400
Capacity(ml)	50	100	250	500	1000	2000	3000	5000	10000	20000
Heating Mode	Surface heat-conduction									
Surface Max. Temp.(c)	450 C									
Speed range	0~1600rpm									
Heating element	Nichrome wire									
Stir bar	PTFE									
Shell(Insulation Layer)	High quality aluminum silicate cotton									
Motor power	0.01kW									
Heat power (kW)	0.08	0.1	0.15	0.25	0.35	0.45	0.6	0.8	1.2	2.5
Working Mode	Continuous									
Exterior Size (mm)	φ220x165			φ280x220	φ330x230	φ340x245	φ350x250	φ425x320	φ470x340	
Packing Size (mm)	230x230x195			290x290x300	340x340x350	360x360x300	390x390x310	430x430x350	510x510x380	
Voltage(V)	100 ~ 120V or 200 ~ 240V					200 ~240V				
N.W.(Kg)	2.5			5.5	6.5	7.5	8	9.8	16	
G.W. (Kg)	2.8			6	7	8	9.2	12	20	

Digital Magnetic Stirring Heating Mantle



HMSD-1 HMSD-2 HMSD-5 HMSD-10 HMSD-20
HMSD-40 HMSD-60 HMSD-100 HMSD-200 HMSD-400

Features

- PID Single Screen Temperature controller.
- Heating and Stirring can be used simultaneously, step-less speed adjustable.
- PT100 Temperature sensor, with Adjustable Sensor Rack and Stainless Rods.



Specifications

Model	HMSD-1	HMSD-2	HMSD-5	HMSD-10	HMSD-20	HMSD-40	HMSD-60	HMSD-100	HMSD-200	HMSD-400	
Capacity(ml)	50	100	250	500	1000	2000	3000	5000	10000	20000	
Heating Mode	Surface heat-conduction										
Surface Max. Temp.(c)	450 C										
Temperature control range	RT+20 ~ 250 C										
Speed range	0~1600rpm										
Heating element	Nichrome wire										
Stir bar	PTFE										
Shell(Insulation Layer)	High quality aluminum silicate cotton										
Motor power	0.01kW										
Heat power (kW)	0.08	0.1	0.15	0.25	0.35	0.45	0.6	0.8	1.2	2.5	
Working Mode	Continuous										
Exterior Size (mm)	φ220x165				φ280x220	φ330x230	φ340x245	φ350x250	φ425x320	φ470x340	
Packing Size (mm)	230x230x195				290x290x300	340x340x350	360x360x300	390x390x310	430x430x350	700x575x460	
Voltage(V)	100 ~ 120V or 200 ~ 240V					200 ~240V					
N.W.(Kg)	2.5				5.5	6.5	7.5	8	9.8	16	
G.W. (Kg)	2.8				6	7	8	9.2	12	20	

Several Rows Magnetic Stiring Heating Mantles

HMSD-2P5 HMSD-2P10 HMSD-2P20
 HMSD-4P5 HMSD-4P10 HMSD-4P20
 HMSD-6P5 HMSD-6P10 HMSD-6P20



Features

- Electronic temperature regulation heating mode .Heating and stirring can proceed simultaneously; stepless speed adjustment.
- Within 100ml

Specifications

Model	HMSD-2P5	HMSD-2P10	HMSD-2P20	HMSD-4P5	HMSD-4P10	HMSD-4P20	HMSD-6P5	HMSD-6P10	HMSD-6P20		
Function	Capacity(ml)	2x250	2x500	2x1000	4x250	4x500	4x1000	6x250	6x500	6x1000	
	Heating mode	Surface heat conduction				Surface heat conduction					
	Surface Max. temperature	450 C				450 C					
	Temp.range	Rt+vfc20~250 C				Rt+vfc20~250 C					
Structure	Speed range	0~1600rpm				0~1600rpm					
	Heating element	Nickel chromium alloy wire				Nickel chromium alloy wire					
	Stir bar	PTFE				PTFE					
	Outer shell	Cold rolled steel plate, surface spraying				Cold rolled steel plate, surface spraying					
	Motor power	0.01kW				0.01kW					
	Heating Power (kW)	2x0.15	2x0.25	2x0.35	4x0.15	4x0.25	4x0.35	6x0.15	6x0.25	6x0.35	
Controller	Work model	Continuous				Continuous					
	Exterior Size(mm)	320*160*170	360*180*180	420*210*200	610*160*170	690*180*180	810*210*200	940*160*170	1060*180*180	1240*210*200	
Specification	Packing size(mm)	360*190*200	400*220*210	570*180*190	650*190*200	730*220*210	850*250*230	980*190*200	1100*220*210	1280*250*230	
	Voltage	100~120V or 200~240V				200~240V					
	N.W.(Kg)	4	4	7	8	8	14	12	12	21	
	G.W.(Kg)	5	5	8	10	10	16	15	15	24	



LED Hot Plate, Temp. 550°C

HPT-550



Features

- LED screen shows temperature
- Max. temperature up to 550°C
- Separate safety circuits with fixed safety temperature of 580°C
- External temperature control is possible by connecting the temperature sensor (PT 1000) with an accuracy at $\pm 0.5^\circ\text{C}$
- Glass ceramic work plate provides excellent chemical-resistant performance and most efficient heat transfer
- The "HOT" warning will flash if the work plate temperature is above 50°C even when the hotplate is turned off

Specifications

Model	HPT-550
Work plate dimension [WxD]	184x184mm (7 inch)
Work plate material	Glass ceramic
Heating position	1
Heating temperature range	Room temp.-550°C, increment 5°C
Control accuracy of work plate	$\pm 10^\circ\text{C}$
Safety temperature	580°C
Temperature display	LED
Temperature display accuracy	$\pm 1^\circ\text{C}$
External temperature sensor	PT1000($\pm 0.5^\circ\text{C}$)
Heating warning	50°C
Protection class	IP21
Power	1010W
Voltage Frequency	100-120/200-240V,50/60Hz
Heating Power	1000W
Dimension [WxDxH]	215x360x112mm
Weight	4.5kg
Permissible ambient temperature and humidity	5-40°C, 80%RH

Several Rows Magnetic Stiring Heating Mantles

HMD-2P5 HMD-2P10 HMD-2P20 HMD-4P5 HMD-4P10
HMD-4P20 HMD-6P2 HMD-6P5 HMD-6P10 HMD-6P20



Specifications

Model	HMD-2P5	HMD-2P10	HMD-2P20	HMD-4P5	HMD-4P10	HMD-4P20	HMD-6P2	HMD-6P5	HMD-6P10	HMD-6P20
Capacity(ml)	2x250	2x500	2x1000	4x250	4x500	4x1000	4x100	6x250	6x500	6x1000
Heating mode	Surface heat conduction					Surface heat conduction				
Surface Max. temperature	450 C					450 C				
Temp.range	Rt+vfc20~250 C					Rt+vfc20~250 C				
Speed range	/					/				
Heating element	Nickel chromium alloy wire					Nickel chromium alloy wire				
Stir bar	/					/				
Outer shell	Cold rolled steel plate, surface spraying					Cold rolled steel plate, surface spraying				
Motor power	/					/				
Heating Power (kW)	2x0.15	2x0.25	2x0.35	4x0.15	4x0.25	4x0.35	6x0.1	6x0.15	6x0.25	6x0.35
Work model	Continuous					Continuous				
Exterior Size(mm)	320*160*170	360*180*180	420*210*200	610*160*170	690*180*180	810*210*200	820*140*160	940*160*170	1060*180*180	1240*210*200
Packing size(mm)	360*190*200	400*220*210	570*180*190	650*190*200	730*220*210	850*250*230	860*180*190	980*190*200	1100*220*210	1280*250*230
Voltage	100~120V or 200~240V					200~240V				
N.W.(Kg)	4	4	7	8	8	14	12	12	12	21
G.W.(Kg)	5	5	8	10	10	16	15	15	15	24