

Hermann

Laboratory Products



*Your professional manufacturing supplier
of Laboratory Products*

- MAGNETIC HOTPLATE STIRRERS
- OVERHEAD STIRRERS
- VORTEX MIXERS
- ROTATORS
- TUBE ROLLER
- SHAKERS
- HOMOGENIZERS

»» Magnetic Hotplate Stirrers | With Heating

Combining with glass ceramic work plate, brushless DC motor, external temperature sensor and the work plate temperature optimized up to 550°C.

Combinación con placa de trabajo vitrocerámica, motor de corriente continua sin escobillas, sensor de temperatura externo y la temperatura de la placa de trabajo optimizada hasta 550 ° C.

HMS-14-G1100-PRO

LCD Digital Magnetic Hotplate Stirrer

Performance Highlights

- LCD display for precise monitoring of speed and temperature
- Built-in PID controller ensures the safe heating of the medium with overheating protection
- Max. Heating plate temperature 550°C
- Glass ceramic work plate provides excellent chemical resistant performance and most efficient heat transfer
- External temperature control is possible by connecting the temperature sensor (HTS-OR2000-A) with an accuracy at $\pm 0.2^{\circ}\text{C}$
- Digital speed controlling, Max. speed at 1500rpm
- Outstanding brushless DC motor performance enables more stirring power
- Two rotating knobs enable the easy and direct change of speed and temperature
- The "HOT" warning will flash when the work plate temperature is above 50°C even if the hotplate is turned off
- Remote function provides PC control and data transmission



Specifications	HMS-14-G1100-PRO
Work plate Dimension (W x D)	184x184mm (7 inch)
Work plate material	Glass ceramic
Motor type	Brushless DC motor
Motor rating input	18W
Motor rating output	10W
Power	1050W
Heating output	1000W
Voltage	100-120/200-240V 50/60Hz
Stirring positions	1
Max. stirring quantity, [H ₂ O]	20L
Max. magnetic bar[length]	80mm
Speed range	100-1500rpm resolution $\pm 1\text{rpm}$
Speed display	LCD
Temperature display	LCD
Heating temperature range	Room Temp.-550°C, increment 1°C
Temperature control accuracy	$\pm 1^{\circ}\text{C}$ ($<100^{\circ}\text{C}$) $\pm 1\%$ ($>100^{\circ}\text{C}$)
Overheating protection	580°C
Temperature display accuracy	$\pm 0.1^{\circ}\text{C}$
External temperature sensor	HTS-OR2000-A (accuracy ± 0.2)
"Hot" warning	50°C
Data connector	RS232
Protection class	IP21
Dimension [W x D x H]	215x360x112mm
Weight	5.3kg
Permissible ambient Temperature and humidity	5-40°C 80%

Características Destacadas

- Pantalla LCD para un control preciso de velocidad y temperatura
- Regulador PID incorporado que asegura calefacción segura del medio con protección contra sobrecalentamiento
- Max. Temperatura de la placa calefactora 550 ° C
- Placa de cerámica de vidrio que brinda un excelente rendimiento, resistente a los productos químicos y la transferencia de calor
- Control de temperatura externo conectando el sensor de temperatura (HTS-OR2000-A) con una precisión de $\pm 0.2^{\circ}\text{C}$
- Control digital de velocidad, Máx. Velocidad a 1500rpm
- Excepcional rendimiento del motor DC sin escobillas que otorga más poder de agitación
- Dos perillas giratorias permiten el cambio fácil y directo de velocidad y temperatura
- El aviso "HOT" parpadeará cuando la temperatura de la placa está por encima de 50°C incluso si la placa está apagada
- La función remota proporciona control de PC y transmisión de datos

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340°C magnetic hotplate stirrers include all leading safety standards. Superior easy of use and cost-effective. They are widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals, etc.

Los agitadores magnéticos de placa de 340 ° C incluyen todos los estándares de seguridad. Fáciles de usar y rentables. Son ampliamente utilizados en síntesis química, análisis físico y químico, bio-farmacéuticos, entre otros.

HMS-GA

Without Timer And Display



Performance Highlights

- Maintenance free brushless DC motor
- 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

Características Destacadas

- Motor sin escobillas de CC sin mantenimiento
- Temperatura hasta 340 ° C
- Velocidad de agitación de hasta 1500 rpm
- Placa de trabajo de acero inoxidable con recubrimiento cerámico que brinda excelente resistencia a los productos químicos
- Los circuitos de seguridad protegen contra sobrecalentamiento
- Una amplia variedad de accesorios están disponibles

Specifications	HMS-GA
Work plate Dimension (W x D)	φ 135mm(5 inch)
Work plate material	stainless steel cover with ceramic
Motor type	Brushless DC motor
Motor rating input	18W
Motor rating output	10W
Power	530W
Heating output	500W
Voltage	100~120/200~240V 50/60Hz
Stirring positions	1
Max. stirring quantity, [H2O]	20L
Max. magnetic bar[length]	80mm
Speed range	100~1500rpm resolution ±1rpm
Speed display	Scale
Temperature display	Scale
Heating temperature range	Room temp.-340°C
Temperature control accuracy	-
Overheating protection	350°C
Temperature display accuracy	±0.5°C
External temperature sensor	-
"Hot" warning	-
Data connector	-
Timer function	-
Protection class	Ip42
Dimension [W x D x H]	160×280×85mm
Weight	2.8kg
Permissible ambient Temperature and humidity	5~40°C 80%

»» Magnetic Hotplate Stirrers | With Heating

HMS-G-A20

10-Position Magnetic Hotplate Stirrer



Performance Highlights

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

Características Destacadas

- Motor sin escobillas de CC sin mantenimiento
- Velocidad máxima 1100rpm
- Temperatura máxima 120 ° C
- Placa de trabajo de acero inoxidable, cubierta con amortiguación de silicona que proporciona el excelente rendimiento de la uniformidad de calentamiento y resistencia al deslizamiento

Specifications	HMS-G-A20
Work plate Dimension (W x D)	180x450mm()
Work plate material	Stainless steel with silicone
Motor type	Brushless DC motor
Motor rating input	12W
Motor rating output	4W
Power	490W
Heating output	470W
Voltage	100~120/200~240V 50/60Hz
Stirring positions	10
Max. stirring quantity, [H ₂ O]	0.4L x 10
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
Dimension [W x D x H]	182×622×65mm
Weight	3.2kg
Permissible ambient Temperature and humidity	5~40°C 80%



»» Magnetic Stirrers | Without Heating

HMS-N-A20

10-Position Magnetic Stirrer



Performance Highlights

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

Características Destacadas

- Motor sin escobillas de CC sin mantenimiento
- Rango de Velocidad de 0-1100 rpm
- Placa de trabajo de acero inoxidable con amortiguación de silicona que provee excelente resistencia al deslizamiento

HMS-N-A32

16-Position Magnetic Stirrer



Performance Highlights

- A space saving unit with 16 stirring positions and 4 independent speed control channels
- A wide range of speed from 0 to 1100rpm
- High magnetic adhesion prevents stirrer spin bar out of control
- Stainless steel work plate, cover with silicone cushion, provides excellent performance of skid resistance

Características Destacadas

- Unidad de ahorro de espacio con 16 posiciones de agitación y 4 canales de control de velocidad
- Amplia gama de velocidad de 0 a 1100 rpm
- La alta adherencia magnética evita que la barra de giro del agitador quede fuera de control
- Placa de trabajo de acero inoxidable con amortiguación de silicona que provee excelente resistencia al deslizamiento



Specifications	HMS-N-A20	HMS-N-A32
Work plate Dimension (W x D)	180x450mm	365x345mm
Work plate material	Stainless steel with silicone coating	Stainless steel with silicone coating
Motor type	Brushless DC motor	DC motor
Motor input power	12W	12W
Motor output power	4W	4W
Power	20W	20W
Voltage	100~120/200~240V,50/60Hz	100~120/200~240V,50/60Hz
Stirring positions	10	16(4 channel)
Max. stirring quantity, [H2O]	0.4LX10	0.4LX16
Max. magnetic bar[length]	40mm	40mm
Speed range	0~1100rpm	0~1100rpm
Speed display	Scale	Scale
Protection class	IP2X	IP2X
Dimension [W x D x H]	182x622x65mm	380x622x65mm
Weight	3.2kg	6kg
Permissible ambient Temperature and humidity	5~40°C,80%	5~40°C,80%

»» Magnetic Stirrers | Without Heating

HMS-14-A

7" Square Magnetic Stirrer



Performance Highlights

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

Características Destacadas

- Rango de velocidad de 0 ~ 1500 rpm
- Max. Cantidad en agitación de H₂O a 10 L
- La placa de trabajo de cerámica proporciona una excelente resistencia al deslizamiento

HMS-A

Magnetic Stirrer



Performance Highlights

- 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

Características Destacadas

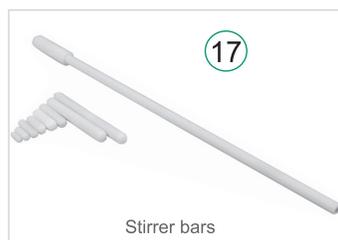
- Motor sin escobillas DC sin mantenimiento
- Rango de velocidad de 0 ~ 1500 rpm
- Max. Cantidad de H₂O en agitación a 20 L
- Placa de trabajo de acero inoxidable cubierta con material cerámico que brinda una excelente resistencia química

Specifications	HMS-14-A	HMS-A
Work plate Dimension (W x D)	184 x 184(7inch)mm	φ135(5 inch)mm
Work plate material	Glass ceramic	Stainless steel cover with ceramic
Motor type	Shaded pole motor	Brushless DC motor
Motor input power	15W	18W
Motor output power	1.5W	10W
Power	30W	30W
Voltage	100~120/200~240V,50/60Hz	100~120/200~240V,50/60Hz
Stirring positions	1	1
Max. stirring quantity, [H ₂ O]	10L	20L
Max. magnetic bar[length]	80mm	80mm
Speed range	0~1500rpm	0~1500rpm
Speed display	Scale	Scale
Protection class	IP2X	IP42
Dimension [W x D x H]	215 x 360 x 112mm	160×280×85mm
Weight	3.8kg	2.8kg
Permissible ambient Temperature and humidity	5~40°C,80%	5~40°C,80%



»» Magnetic Stirrers | Accessories

	1	Blue carrying plate, use with color quarter pies		2	Blue Fixed ring, use with color quarter pies
	3	Red quarter pie, 11 holes, 4 mL reaction vessel, Ø15.2mm, 20mm depth		4	Purple quarter pie, 4 holes, 20 mL reaction vessel, Ø28mm, 24mm depth
	5	Blue quarter pie, 4 holes, 30mL reaction vessel, Ø28mm, 30mm depth		6	Black quarter pie, 4 holes, 40mL reaction vessel Ø28mm, 43mm depth
	7	Green quarter pie, 6 holes 8mL reaction vessel, Ø17.8mm, 26mm depth		8	Golden quarter pie, 4 holes 16mL reaction vessel, Ø21.6mm, 31.7mm depth
	9	Reaction block for 50mL round bottom flask (one flask capacity)		10	Reaction block for 100mL round bottom flask (one flask capacity)
	11	Reaction block for 250mL round bottom flask (one flask capacity)		12	Reaction block for 500mL round bottom flask (one flask capacity)
	13	F101 protective cover, temperature resistance 135°C		14	HTS-OR2000-A Length of 230mm
	15	HTS-OR2000-B temperature sensor with glass coated, length of 230mm		16	Support clamp of HTS-OR2000



SIZE (L x Ø) [mm]

10mm x 6mm	25mm x 8mm	51mm x 8mm
15mm x 8mm	30mm x 6mm	65mm x 8mm
20mm x 8mm	40mm x 8mm	80mm x 13mm

Stirrer bar remover, length of 200mm

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Distributor in Argentina



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