

## 7 Inch Square Magnetic Hotplate Stirrers

Waverly 7 inch square magnetic hotplate stirrers with 550°C heating temperature, glass ceramic plate, brushless DC motor and external temperature sensor PT1000, which provides excellent product performance. They are widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals and other fields.

Temperature up to 550°C

### HS5-Pro

With external temperature sensor PT1000

Plug and play PT1000 temperature sensor accessor

- Control accuracy is  $\pm 0.2^\circ\text{C}$

Glass ceramic plate

- High temperature resistance
- Excellent chemical resistance
- Easy to clean

Brushless DC motor

- Explosion-proof
- Maintenance free
- Accurate speed control

Digital LCD display

- For precise temperature and speed control
- "Hot" indicator warning to prevent burns

Enclosed aluminum alloy casing

- Excellent chemical resistance
- Excellent thermal resistance



# HS5-Pro

## LCD Digital Magnetic Hotplate Stirrer

### Features

- Backlit LCD display for precise monitoring of speed and temperature
- Built-in PID controller ensures maximum heat-up times while preventing an over temperature of the sample
- Temperature up to 550°C
- Separate safety circuits with fixed safety temperature of 580°C
- Plug and play PT 1000 sensor accessory for precise temperature control. Control accuracy:  $\pm 0.2^{\circ}\text{C}$
- Excellent heat control accuracy of the work plate:  $\pm 1 (< 100^{\circ}\text{C}) \pm 1\% (> 100^{\circ}\text{C})$
- Electronic speed control, the max speed is 1500rpm maximum
- Brushless DC motor is maintenance free, explosion-proofed with accurate speed control
- Independent control knobs for adjusting the speed and temperature
- "HOT" indicator warning, even if switched off
- PC can control and document all parameters via RS232 interface using 3rd party software



### HS5-Pro

With colored reaction blocks



## HS5-S

### LED Digital Magnetic Hotplate Stirrer

#### Features

- LED displays target and actual temperatures
- Speed range is 0-1500rpm
- Temperature up to 550°C
- Separate safety circuits with fixed safety cut off temperature of 580°C
- Plug and play PT1000 external temperature sensor is available. The control accuracy is  $\pm 0.5^{\circ}\text{C}$
- "HOT" indicator warning, even if switched off



#### HS5-S

With external PT1000 temperature sensor



# 5 Inch Round-top Magnetic hotplate Stirrers

Waverly's 340°C magnetic hotplate stirrers include all leading safety standards and features for superior ease of use and reduced cost of ownership. They are widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals and other fields.

Waverly's 280°C magnetic hotplate stirrer is the only low temperature magnetic stirrer in the world, incorporating a microprocessor and LED display with the option probe used with an plug and play PT1000 temperature sensor.

## Temperature to 340°C

Plug and play PT1000 temperature sensor and support stand accessory

- Control accuracy is  $\pm 0.2^{\circ}\text{C}$

Brushless DC motor

- Explosion-proof
- Maintenance free
- Accurate speed control

Digital LCD display

- For precise temperature and speed control
- "Hot" sign warning to prevent burns

RS232 interface

- Fully closed aluminum alloy casing
- High IP protection class(IP42)



## HS4-Pro

With external temperature sensor PT1000



## HS4-Pro

LCD Digital Magnetic Hotplate Stirrer

## HS4T-Pro **NEW**

LCD Digital Magnetic Hotplate Stirrer with Timer

### Features:

#### Safe Heating and Mixing

- Conforms to international safety standards and regulations
- Brushless DC motor is maintenance free and explosion-proof
- Fully closed aluminum alloy casing has a high IP protection class(IP42)
- The temperature sensor consists of two independent safety circuits, which switches off heating in case of any over temperature situation
- "HOT" sign warning to prevent burns, even if switched off

#### Precise temperature and speed control

- Temperature to 340°C
- Plug and play PT1000 temperature sensor accessory for precise temperature control. Control accuracy is  $\pm 0.2^{\circ}\text{C}$
- Excellent heat control accuracy at the work plate:  $\pm 1 (< 100^{\circ}\text{C}) \pm 1\% (> 100^{\circ}\text{C})$
- Electronic speed control, max speed is 1500rpm

#### Convenient

- Digital process timer provides unattended operation and can be set from 1min to 99h 59min. When the set time has elapsed, the heat turns off. (MS-H-Pro<sup>T</sup>)
- Backlit LCD displays target and actual temperatures and speed
- Integral temperature sensor technology with plug and play transfer to PT1000 sensor operating mode
- Stainless steel with ceramic coated hotplate allows immediate heat transfer for quick heat-up times, chemical-resistant and scratch proof
- Max. stirring quantity 20L
- PC can control and document all parameters via RS232 interface
- A wide variety of accessories are available



**MS4T-Pro**



**MS4-Pro**

## HS3-E

### Classic Magnetic Hotplate Stirrer

#### Features:

#### Safe Heating and Mixing

- Temperature to 340°C
- Stirring speed up to 1500rpm
- Stainless steel with ceramic coated hotplate allows immediate heat transfer for quick heat-up times, chemical-resistant and scratch proof
- Separated safety circuit, automatically stops heating if temperature goes over 350°C
- Enclosed assembly with protection class IP42
- Brushless DC motor maintenance free and explosion-proof



## HS2-S

### LED Digital Magnetic Hotplate Stirrer

#### Features:

- Digital control system is ideal for applications of Analytical and biological Laboratory.
- Temperature to 280°C
- Electronic speed control, the max speed is 1500rpm.
- Stainless steel with ceramic coated hotplate allows immediate heat transfer for quick heat-up times, chemical-resistant and scratchproof
- External PT1000 temperature sensor accessory is available with control accuracy of  $\pm 0.5^\circ\text{C}$ .
- LED display shows temperature and speed.
- 50°C HOT warning indicates residual hotplate temperature.
- ABS casing with heat resistant and resistance of weak acids and alkalis



## HS2-S

With external temperature sensor  
PT1000 accessory

## MSS10

### 10-Channel Classic Magnetic Hotplate Stirrer

#### Features:

- Temperature to 120°C
- High-performance multi-position magnetic stirrer with uniform temperature distribution
- Specially controlled stirring for consistency with various samples
- Electronic speed control motor provides constant speed
- Speed range of 0-1100rpm
- Brushless DC motor for maintenance free operation and quiet operation
- Stainless steel plate with anti-slip and anti-corrosion silicone surface





### Stirrer bars

Stirrer bars and stirrer bar remover(PTFE), use below 150°C

#### Models

HS5-Pro  
 HS5-S  
 HS4-Pro    HS2-S    HSS10  
 HS4-S  
 HS3-E

Cat. No.	Size of stirrer bars (L x Ø) [mm]	Suitable for Max. stirrer bar 80mm	Suitable for Max. stirrer bar 50mm	Suitable for Max. stirrer bar 40mm
18900006	10mm x 6mm	•	•	•
18900007	15mm x 8mm	•	•	•
18900008	20mm x 8mm	•	•	•
18900009	25mm x 8mm	•	•	•
12500005	30mm x 6mm	•	•	•
18900011	40mm x 8mm	•	•	•
12500004	51mm x 8mm	•	•	
18900013	65mm x 8mm	•		
18900014	80mm x 13mm	•		
18900015	Stirrer bar remover, length of 200mm	•	•	•