

280°C



HSD-135
Digital Hotplate Stirrer, 135mm

HSD-135, LED Digital Magnetic Hotplate Stirrer

The magnetic stirrers of the HSD-135 is designed for a gentle to intense mixing of low viscous liquids and ideal for the digestion of organic and inorganic substances. Important aspects such as safety, convenience and cost savings have been considerably taken into account during the development of the MRC stirrers. This is reflected in various unique product advantages of our lab hot plates. The ceramic coated hot plates allow for immediate heat transfer resulting in quick heat up times and chemically resistant surface.

- LED-Display for accurate regulation of speed and temperature
- digital controlled speed and temperature
- Indicator for hot surface, even when the stirrer is shut-off
- connector for PT-1000
- integrated temperature control function
- compact construction, sealed housing (IP42)

350°C



HS-135
Ø135mm, S.S Hotplate Stirrer

HS-135, BlueSpin Classic Magnetic Hotplate Stirrer

- Stainless steel and ceramic coated hotplates are optional
- Separated safety circuit. automatically stop heating when temperature over 350°C
- Motor with electronic speed control, constant speed even during changes in load
- Variable speed of motor
- High magnetic adhesion, prevent the stirrer bar escape
- Enclosed assembly with protection class IP42 and DC brushless motor guarantees long service.

HSCD-7, BlueSpin LCD Digital 7 Inch Square Magnetic Hotplate Stirrer

7 inch square hotplate magnetic stirrers are widely used in chemical synthesis, physical and chemical analysis, pharmaceuticals and other fields.

PID temperature technology precise controls heating process, rapidly reaches target temperature and enhances control accuracy, heating temperature up to 550°C. Our 7 inch square magnetic stirrers have glass ceramic plate extremely resistant to corrosion and easy to clean. The heating models are suitable for external temperature sensor PT1000, display and control actual medium temperature.

550°C



HSCD-7
Ceramic Hotplate Stirrer, 184x184mm

Automatically identify temperature sensor PT1000 and transfer to PT1000 operation mode. Record & display the last running parameters when switch on

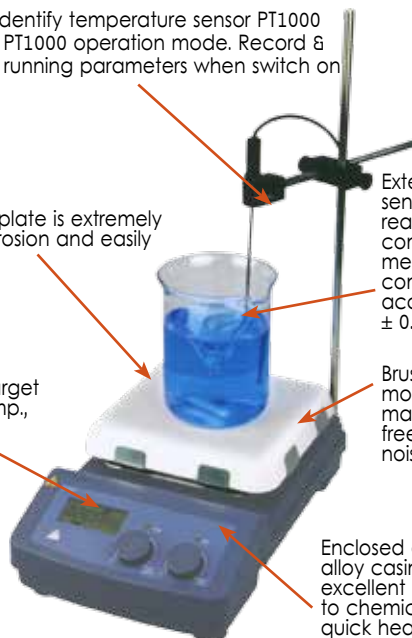
Glass ceramic plate is extremely resistant to corrosion and easily clean

LCD displays target and actual temp., as well as set speed and actual speed can be displayed

External temp. sensor PT1000 real-time controls medium temp., control accuracy of $\pm 0.2^\circ\text{C}$

Brushless DC motor maintenance free and lower noise

Enclosed aluminum alloy casing has excellent resistance to chemicals and quick heating transfer



Specifications:

Model	HSCD-7	HS-135	HSD-135	MUSH-10
Dimension of work plate (mm)	184 x 184	Ø135	Ø135	180 x 450
Work plate material	Glass ceramic	Stainless steel	ceramic coated	Stainless steel with silicone Film
Motor type	DC brushless motor	DC brushless motor	DC motor	DC motor
Motor rating input (W)	18	18	5	12
Motor rating output (W)	10	10	3	4
Power (W)	1050	530	515	490
Voltage (VAC)	100-120/200-240	200-240	200-240	200-240
Frequency (Hz)	50/60	50/60	50/60	50/60
Stirring positions	1	1	1	10
Max. stirring quantity (H ₂ O), L	20	20	3	0.4 (each stirring position)
Max. magnetic bar(L x Ø) (mm)	80	80	50	40
Speed range (rpm)	100-1500	0-1500	100-1500	0-1100
Speed display	LCD	Scale	LED	Scale
Speed display resolution (rpm)	±1	-	±10	-
Heating output (W)	1000	500	500	470
Heating temperature range (°C)	RT-550, increment 1	RT-340	RT-280, increment 1	RT-120
Control accuracy of work plate (°C)	±1(<100°C) ±1%(>100°C)	-	±1(<100°C) ±1%(>100°C)	-
Safety temperature (°C)	580	350	320	140
Temperature display	LCD	Scale	LED	Scale
Temperature display accuracy (°C)	±0.1	-	±1	-
External temperature sensor	PT1000	N/A	PT1000	N/A
Control accuracy with external temperature sensor PT1000 (±°C)	±0.2	-	±0.5	-
Heating warning (°C)	50°C	N/A	50°C	N/A
Remote control (RS232 interface)	Yes	N/A	N/A	N/A
Protection class according to DIN EN60529	IP21	IP21	IP42	IP42
Dimension (W x D x H) mm	215 x 360 x 112	160 x 280 x 85	150 x 260 x 80	182 x 552 x 65
Weight (kg)	5.3	2.8	1.4	3.2
Permissible ambient temp. (°C)	5-40	5-40	5-40	5-40
Permissible relative humidity	80	80%	80%	80%

**MUSH-10, BlueSpin 10-Channel Classic Magnetic Hotplate Stirrer**

- Heating temperature up to 120°C
- High-performance multi-position magnetic stirrer with uniform temperature distribution
- Individually controlled stirring for consistency with various samples
- Electronic speed control motor provides constant speed
- DC brushless motor maintenance free and quiet running
- Stainless steel plate with silicone films, anti-slip and anti-corrosion.

120°C