TECHNOLOGY FOR FUTURE



SM / SMH

Magnetic Stirrer / hot plate





Features

Magnetic stirrer suitable for routine laboratory operation with new stirring technology. Heavy duty instrument and easy operation. Available as a classic version or high advanced PC controlled. Wide range of selection to meet your requirement. With or without heating, Stainless steel or ceramic plate surface. LCD, LED or analogue display.

Model SM - SMH -series (Classic)

- Speed range of 0-1500 rpm
- Max. Stirring quantity 20L
- > Stainless steel and ceramic coated work plates
- > Motor with electronic speed control, constant speed even during changes in load
- > High magnetic adhesion, prevent the stirrer bar escape
- > Enclosed assembly with protection class IP42 and
- > DC brushless motor guarantees long service
- Separated safety circuit, automatically stop heating when temperature over 350°C
- Analogue or LCD Display

Model SM - SMH - dp (Advanced)

- > Advanced magnetic hotplate stirrers with LCD digital display
- PID temperature technology precise controls heating process, rapidly reaches target temperature with high control accuracy, heating temperature up to 340°C.

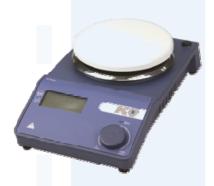


Model	SMH-1dp SMH-2dp	SMH-1a / SMH-2a SMH-1d / SMH-2d	SM-1a / SM-2a SM-1d / SM-2d	
Dimension of work plate	Ø135 mm (5 inch)	Ø135 mm (5 inch)	Ø135 mm (5 inch)	
Work plate material	Stainless steel [1] Ceramic coated [2]	Stainless steel [1] Ceramic coated [2]	Stainless steel [1] Ceramic coated [2]	
Motor type	DC brushless motor	DC brushless motor	DC brushless motor	
Motor rating input	18 W	18 W	18 W	
Motor rating output [W]	10 W	10 W	10 W	
Power	550 W	530 W	30 W	
Voltage	200-240 VAC	200-240 VAC	100-240 VAC	
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	
Stirring positions	1	1	1	
Max. stirring quantity	20 L [H2O]	20 L [H2O]	20 L [H2O]	
Max. magnetic bar	80 mm (L x Ø)	80 mm (L x Ø)	80 mm (L x Ø)	
Speed range	0-1500 rpm	0-1500 rpm	0-1500 rpm	
Speed display	LCD	Scale [a] LCD [d]	Scale [a] LCD [d]	
Speed display resolution	±1	-	-	
Heating output	500 W	500 W	-	
Heating temperature range	RT-340 °C, increment 1	RT-340 °C	-	
Control accuracy of work plate	±1 (<100 °C) ±1% (>100 °C)	-	-	
Safety temperature	360 ℃	0 ℃ 350 ℃		
Temperature display	LCD	Scale [a] LCD [d]	-	
Temperature display accuracy	±0.1 °C	-	-	
External temperature sensor	PT1000	N/A	-	
Control accuracy with external temperature sensor PT1000	±0.2 °C	-	-	
Heating warning [°C]	50 °C	N/A	-	
Remote control (RS232 interface)	Yes	N/A	N/A	
Protection class according to DIN EN60529	IP42	IP42	IP42	
Dimension [W x D x H]	160×280×85 mm	160×280×85 mm	160×280×85 mm	
Weight	2,8 kg	2,8 kg	2,8 kg	
Permissible ambient temperature	5-40 °C	5-40 °C	5-40 °C	
Permissible relative humidity	80%	80%	80%	
Order Informations				
Analog / Stainless Steel surface		SMH-1a 0.562.005	SM-1a 0.562.001	
Analog / Ceramic surface		SMH-2a 0.562.006	SM-2a 0.562.002	
Digital / Stainless Steel surface	SMH-1dp 0.562.009	SMH-1d 0.562.007	SM-1d 0.562.003	
Digital / Ceramic surface	SMH-2dp 0.562.010	SMH-2d 0.562.008	SM-2d 0.562.004	

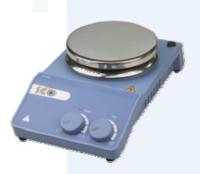
Specifications



SM-2a Magnetic Stirrer Analog with ceramic plate



SM-2a Magnetic Stirrer Digital with ceramic plate



SMH-1a Magnetic Stirrer Hotplate, Analog with SS plate



SM-1a Magnetic Stirrer Analog with SS plate



SM-2dp Digital Magnetic Stirrer / Hotplate with ceramic plate

IECHNOLOGY FOR FUTURE



SM / SMH

Magnetic Stirrer / hot plate with glass ceramic surface



CE

Digital Magnetic stirrer suitable for laboratory operation with new stirring technology. The instrument is heavy duty and easy to operate with glass ceramic working surface. It is suitable for stirring of solution model SM-184d and with heating model SMH-184d.

- LCD Real-time display: Setting value and actual value can be displayed. Real-time monitoring temperature and speed via LCD display. The Model MSH-184d (LED) Temperature digital dispaly and analog speed control
- Extended application:
 PC can control and document all measuring values via RS232 interface. Parameter can be set to carry out safety monitoring.

Model SMH-184d

- Accurate temperature and speed control:
 The control technology effectively guarantees the temperature and speed precision.
- Heating warning: The hotplate model has a residual heat warning function. LCD display would show "Hot" when plate temperature over 50°C warning point.
- Adjustable safety temperature: Unique safety temperature control system which has an adjustable temperature range in 100 - 580°C. System stops heating once exceed secure temperature.

Model SMH-184d (LED)

➤ LED Display:

to display and control medium temperature with PT1000 Temperature Sensor -optional - The Microprocessor technology allow precision temperature control with accuracy $\pm 1^{\circ}\text{C.}$ Over heating warning function, The LCD display shows "Hot" with automatic switch-off.



Specifications

Model	SMH-184d	SMH-184d (LED)	SM-184d
Dimension of work plate	184x184 mm (7 inch)	184x184 mm (7 inch)	184×184 mm (7 inch)
Work plate material	Glass ceramic	Glass ceramic	Glass ceramic
Motor type	DC brushless motor	Shaded pole motor	DC brushless motor
Motor rating input	18 W	15 W	18 W
Motor rating output	10 W	1,5 W	10 W
Power	1050 W	1030 W	50 W
Voltage	100-120/200-240 VAC	100-120/200-240 VAC	200-240 VAC
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Stirring positions	1	1	1
Max. stirring quantity	20 L [H2O]	10 L [H2O]	20 L [H2O]
Max. magnetic bar	80 mm (L x Ø)	80 mm (L x Ø)	80 mm (L x Ø)
Speed range	100-1500 rpm	0-1500 rpm	100-1500 rpm
Speed display	LCD	Scale	LCD
Speed display resolution	±1 rpm	-	±1
Heating output	1000 W	1000 W	-
Heating temperature range	RT-550°C, increment 1	RT-550°C, increment 5	-
Control accuracy of work plate	±1(<100 °C) ±1%(>100 °C)	±10	-
Safety temperature	580 °C	580 °C	-
Temperature display	LCD	LED	-
Temperature display accuracy	±0.1 °C	±1 °C	-
External temperature sensor	PT1000	PT1000	-
Control accuracy with external temperature sensor PT1000	±0.2 °C	±0.5 °C	-
Heating warning	50 °C	50 °C	-
Remote control (RS232 interface)	Yes	N/A	-
Protection class according to DIN EN60529	IP21	IP21	IP21
Dimension [W x D x H]	215x360x112 mm	215x360x112 mm	215×360×112mm
Weight	5,3 kg	4,5 kg	5,3 kg
Permissible ambient temperature	5-40 °C	5-40 °C	5-40 °C
Permissible relative humidity	80%	80%	80%
Order Informations:	0.562.016	0.562.017	0.562.015





IECHNOLOGY FOR FUTURE



SM / SMH

Digital Magnetic Stirrer / hot plate





Comfortable Magnetic stirrer / Hotplate Stirrer, easy to use. Plastic, Stainless steel or ceramic coated surface. suitable for applications for physical - chemical analysis and biotech labs.

Features

Model SM

- > Speed range of 100-1500 rpm
- Max. stirring quantity 3L
- Analogue control or with LED display
- Microprocessor control technology guarantees speed control accuracy
- ABS casing with fire retardant material, chemical resistance [Model SM]

Model SMH

- > Stainless steel with corrosion-resistant coated or ceramic coated
- hotplate [Model SMH]
- Heating temperature up to 280°C
- External temperature sensor PT1000 is available and control
- \triangleright accuracy of ± 1 °C, real-time control medium temperature.
- > LED display temperature and speed.
- > 50°C HOT warning indicates residual hotplate temperature.
- ABS casing with fire retardant material, resistance of weak acid and alkali



Specifications

Dimension of work plate Ø135 mm (5 inch) Ø135 mm (5 inch) Work plate material Stainless steel [1] Ceramic coated [2] Stainless steel [1] Ceramic coated [2] Motor type DC motor DC motor Motor rating input 5 W 5 W Motor rating output [W] 3 W 3 W Power 490 W 10 W Voltage 100-120/200-240 VAC 100-240 VAC Frequency 50/60 Hz 50/60 Hz Stirring positions 1 1 Max. stirring quantity 3 L (H2O) 3 L (H2O) Max. magnetic bar 50 mm (L x Ø) 50 mm (L x Ø) Speed display LED LED / Scale Speed display resolution - - Heating temperature range RT-280 °C, increment 1 - Control accuracy of work plate ±1 (<100 °C) - Ethernal temperature display LED - Ethernal temperature sensor PT1000 - Control accuracy with external temperature sensor PT1000 +0.5 °C - Ethernal temperature sensor	Model	SMH-1L SMH-2L	SM-3L SM-4L
Motor type DC motor DC motor Motor rating input 5 W 5 W Motor rating output [W] 3 W 3 W Motor rating output [W] 3 W 3 W Power 490 W 10 W Voltage 100-120/200-240 VAC 100-240 VAC Frequency 50/60 Hz 50/60 Hz Stirring positions 1 1 Max. stirring quantity 3 L [H2O] 3 L [H2O] Max. magnetic bar 50 mm (L x Ø) 50 mm (L x Ø) Speed display LED LED / Scale Speed display resolution - - + Heating output 500 W - Heating temperature range RT-280 °C, increment 1 - Control accuracy of work plate ±1 (<100 °C)	Dimension of work plate	Ø135 mm (5 inch)	Ø135 mm (5 inch)
Motor rating input 5 W 5 W Motor rating output [W] 3 W 3 W Power 490 W 10 W Voltage 100-120/200-240 VAC 100-240 VAC Frequency 50/60 Hz 50/60 Hz Stirring positions 1 1 Max. stirring quantity 3 L [H2O] 3 L [H2O] Max. magnetic bar 50 mm (L xØ) 50 mm (L xØ) Speed range 100-1500 rpm 0-1500 rpm Speed display LED LED / Scale Speed display resolution - - Heating output 500 W - Heating temperature range RT-280 °C, increment 1 - Control accuracy of work plate ±1 (<100 °C) - ±1% (>100 °C) - - Early temperature 320 °C - Temperature display LED - Temperature display accuracy ±0.1 °C - External temperature sensor PT1000 - Control accuracy with external temperature sensor PT1000 + </td <td>Work plate material</td> <td></td> <td></td>	Work plate material		
Motor rating output [W] 3 W 3 W Power 490 W 10 W Voltage 100-120/200-240 VAC 100-240 VAC Frequency 50/60 Hz 50/60 Hz Sitring positions 1 1 Max. stirring quantity 3 L [H2O] 3 L [H2O] Max. magnetic bar 50 mm (L x Ø) 50 mm (L x Ø) Speed range 100-1500 rpm 0-1500 rpm Speed display LED LED / Scale Speed display resolution - - Heating output 500 W - Heating temperature range RT-280 °C, increment 1 - Control accuracy of work plate ±1 (<100 °C)	Motor type	DC motor	DC motor
Power 490 W 10 W Voltage 100-120/200-240 VAC 100240 VAC Frequency 50/60 Hz 50/60 Hz Stirring positions 1 1 Max. stirring quantity 3 L [H2O] 3 L [H2O] Max. magnetic bar 50 mm (L x Ø) 50 mm (L x Ø) Speed range 100-1500 rpm 0-1500 rpm Speed display LED LED / Scale Speed display resolution - - Heating output 500 W - Heating temperature range RT-280 °C, increment 1 - Control accuracy of work plate ±1 (<100 °C) - ±1% (>100 °C) - - Safety temperature 320 °C - Temperature display LED - Temperature display accuracy ±0.1 °C - External temperature sensor PT1000 - Control accuracy with external temperature sensor PT1000 + - Heating warning [°C] 50 °C - Remote control (RS232 Interface)	Motor rating input	5 W	5 W
Voltage 100-120/200-240 VAC 100-240 VAC Frequency 50/60 Hz 50/60 Hz Stirring positions 1 1 Max. stirring quantity 3 L [H2O] 3 L [H2O] Max. magnetic bar 50 mm (L x Ø) 50 mm (L x Ø) Speed range 100-1500 rpm 0-1500 rpm Speed display LED LED / Scale Speed display resolution - - Heating output 500 W - Heating temperature range RT-280 °C, increment 1 - Control accuracy of work plate ±1 «(<100 °C)	Motor rating output [W]	3 W	3 W
Frequency 50/60 Hz 50/60 Hz Stirring positions 1 1 Max. stirring quantity 3 L [H2O] 3 L [H2O] Max. magnetic bar 50 mm (L x Ø) 50 mm (L x Ø) Speed range 100-1500 rpm 0-1500 rpm Speed display LED LED / Scale Speed display resolution - - Heating output 500 W - Heating temperature range RT-280 °C, increment 1 - Control accuracy of work plate ±1 (<100 °C)	Power	490 W	10 W
Stirring positions 1 1 Max. stirring quantity 3 L [H2O] 3 L [H2O] Max. magnetic bar 50 mm (L x Ø) 50 mm (L x Ø) Speed range 100-1500 rpm 0-1500 rpm Speed display LED LED / Scale Speed display resolution - - Heating output 500 W - Heating temperature range RT-280 °C, increment 1 - Control accuracy of work plate ±1 (<100 °C) - ±1% (>100 °C) - - Safety temperature 320 °C - Temperature display LED - Temperature display accuracy ±0.1 °C - External temperature sensor PT1000 - External temperature sensor PT1000 ±0.5 °C - Heating warning [°C] 50 °C - Remote control (RS232 interface) N/A - Protection class according to DIN RNOS29 IP21 IP42 Dimension [W x D x H] 150 x 260 x 80 mm 150 x 260 x 80 mm	Voltage	100-120/200-240 VAC	100240 VAC
Max. stirring quantity 3 L [H2O] 3 L [H2O] Max. magnetic bar 50 mm (L x Ø) 50 mm (L x Ø) Speed range 100-1500 rpm 0-1500 rpm Speed display LED LED / Scale Speed display resolution - - Heating output 500 W - Heating temperature range RT-280 °C, increment 1 - Control accuracy of work plate ±1 (<100 °C)	Frequency	50/60 Hz	50/60 Hz
Max. magnetic bar 50 mm (L x Ø) 50 mm (L x Ø) Speed range 100-1500 rpm 0-1500 rpm Speed display LED LED / Scale Speed display resolution - - Heating output 500 W - Heating temperature range RT-280 °C, increment 1 - Control accuracy of work plate ±1 (<100 °C)	Stirring positions	1	1
Speed range 100-1500 rpm 0-1500 rpm Speed display LED LED / Scale Speed display resolution - - Heating output 500 W - Heating temperature range RT-280 °C, increment 1 - Control accuracy of work plate ±1 (<100 °C) ±1% (>100 °C) - Safety temperature 320 °C - Temperature display LED - Temperature display accuracy ±0.1 °C - External temperature sensor PT1000 - Control accuracy with external temperature sensor PT1000 ±0.5 °C - Heating warning [°C] 50 °C - Remote control (RS232 interface) N/A - Protection class according to DIN EN60529 IP21 IP42 Dimension [W x D x H] 150 x 260 x 80 mm 150 x 260 x 80 mm Weight 1,8 kg 1,8 kg Permissible ambient temperature 5-40 °C 5-40 °C	Max. stirring quantity	3 L [H2O]	3 L [H2O]
Speed display LED LED / Scale Speed display resolution - - Heating output 500 W - Heating temperature range RT-280 °C, increment 1 - Control accuracy of work plate ±1 (<100 °C)	Max. magnetic bar	50 mm (L x Ø)	50 mm (L x Ø)
Speed display resolution - - Heating output 500 W - Heating temperature range RT-280 °C, increment 1 - Control accuracy of work plate ±1 (<100 °C)	Speed range	100-1500 rpm	0-1500 rpm
Heating output 500 W - Heating temperature range RT-280 °C, increment 1 - Control accuracy of work plate ±1 (<100 °C) ±1% (>100 °C) - £1 (<100 °C)	Speed display	LED	LED / Scale
Heating temperature range RT-280 °C, increment 1 - Control accuracy of work plate ±1 (<100 °C) ±1% (>100 °C) - £1 (<100 °C)	Speed display resolution	-	-
Control accuracy of work plate ±1 (<100 °C)	Heating output	500 W	-
±1% (>100 °C) Safety temperature 320 °C - Temperature display LED - Temperature display accuracy ±0.1 °C - External temperature sensor PT1000 - Control accuracy with external temperature sensor PT1000 ±0.5 °C - Heating warning [°C] 50 °C - Remote control (RS232 interface) N/A - Protection class according to DIN EN60529 IP21 IP42 Dimension [W x D x H] 150 x 260 x 80 mm 150 x 260 x 80 mm Weight 1,8 kg 1,8 kg Permissible ambient temperature 5-40 °C 5-40 °C	Heating temperature range	RT-280 °C, increment 1	-
Temperature display LED - Temperature display accuracy ±0.1 °C - External temperature sensor PT1000 - Control accuracy with external temperature sensor PT1000 ±0.5 °C - Heating warning [°C] 50 °C - Remote control (RS232 interface) N/A - Protection class according to DIN EN60529 IP21 IP42 Dimension [W x D x H] 150 × 260 × 80 mm 150 × 260 × 80 mm Weight 1,8 kg 1,8 kg Permissible ambient temperature 5-40 °C 5-40 °C	Control accuracy of work plate		-
Temperature display accuracy ±0.1 °C - External temperature sensor PT1000 - Control accuracy with external temperature sensor PT1000 ±0.5 °C - Heating warning [°C] 50 °C - Remote control (RS232 interface) N/A - Protection class according to DIN EN60529 IP21 IP42 Dimension [WxDxH] 150×260×80 mm 150×260×80 mm Weight 1,8 kg 1,8 kg Permissible ambient temperature 5-40 °C 5-40 °C	Safety temperature	320 °C	-
External temperature sensor PT1000 - Control accuracy with external temperature sensor PT1000 $\pm 0.5 ^{\circ}\text{C}$ - Heating warning [°C] $50 ^{\circ}\text{C}$ - Remote control (RS232 interface) N/A - Protection class according to DIN EN60529 IP21 IP42 Dimension [W x D x H] $150 \times 260 \times 80 \text{mm}$ $150 \times 260 \times 80 \text{mm}$ Weight 1.8kg 1.8kg Permissible ambient temperature $5-40 ^{\circ}\text{C}$ $5-40 ^{\circ}\text{C}$	Temperature display	LED	-
Control accuracy with external temperature sensor PT1000 ±0.5 °C - Heating warning [°C] 50 °C - Remote control (RS232 interface) N/A - Protection class according to DIN EN60529 IP21 IP42 Dimension [W x D x H] 150×260×80 mm 150×260×80 mm Weight 1,8 kg 1,8 kg Permissible ambient temperature 5-40 °C 5-40 °C	Temperature display accuracy	±0.1 °C	-
temperature sensor PT1000 Heating warning [°C] 50 °C - Remote control (RS232 interface) N/A - Protection class according to DIN EN60529 IP21 IP42 Dimension [WxDxH] 150×260×80 mm 150×260×80 mm Weight 1,8 kg 1,8 kg Permissible ambient temperature 5-40 °C 5-40 °C	External temperature sensor	PT1000	-
Remote control (RS232 interface) N/A - Protection class according to DIN EN60529 IP21 IP42 Dimension [WxDxH] 150×260×80 mm 150×260×80 mm Weight 1,8 kg 1,8 kg Permissible ambient temperature 5-40 °C 5-40 °C		±0.5 °C	-
Protection class according to DIN EN60529 IP21 IP42 Dimension [W x D x H] 150 × 260 × 80 mm 150 × 260 × 80 mm Weight 1,8 kg 1,8 kg Permissible ambient temperature 5-40 °C 5-40 °C	Heating warning [°C]	50 °C	-
EN60529 Dimension [W x D x H] 150×260×80 mm 150×260×80 mm Weight 1,8 kg 1,8 kg Permissible ambient temperature 5-40 °C 5-40 °C	Remote control (RS232 interface)	N/A	-
Weight 1,8 kg 1,8 kg Permissible ambient temperature 5-40 °C 5-40 °C		IP21	IP42
Permissible ambient temperature 5-40 °C 5-40 °C	Dimension [W x D x H]	150×260×80 mm	150×260×80 mm
•	Weight	1,8 kg	1,8 kg
Permissible relative humidity 80% 80%	Permissible ambient temperature	5-40 °C	5-40 °C
	Permissible relative humidity	80%	80%

Order Informations

Article No.	Туре	Description
0.562.011	SMH-1L	Double LED Digital Hotplate Magnetic Stirrer, SS surface Ø 135mm, 220V - 50/60Hz
0.562.012	SMH-1L	Double LED Digital Hotplate Magnetic Stirrer, Ceramic surface Ø 135mm, 220V - 50/60Hz
0.562.013	SM-3L	LED Digital Magnetic Stirrer, plastic plate, 220V, 50/60Hz
0.562.014	SM-4L	Analog Magnetic Stirrer, plastic plate, 220V, 50/60Hz



SM-3L / 4L SMH-1L / 2L

TECHNOLOGY FOR FUTURE



SM / SMH-10

Multi-point Analogue Magnetic Stirrer / hot plate





Features

Specifications

Analogue multi-point magnetic stirrer / hot plate with a high quality stirring drive, heavy duty and easy to operate.

- ➤ High-performance multi-position magnetic stirrer with 10 stirring position
- ➤ Individually controlled stirring for consistency with various samples
- ➤ Stepless speed regulation. Variable speed range: 0-1100 rpm
- > External rotor brushless motor reduces operating noises and increases motor life
- > Electronic speed control motor provides constant speed during changes in load
- ➤ Inner set temperature control panel, uniform temperature distribution (MSH-10)
- > Stainless steel plate with silicone films, anti-slip and anti-corrosion

Model	SMH-10	SM-10
Dimension of work plate	180×450 mm	180×450 mm
Work plate material	Stainless steel with silicone Film	Stainless steel with silicone Film
Motor type	DC motor	DC motor
Motor rating input	12 W	12 W
Motor rating output	4 W	4 W
Power	490 W	20 W
Voltage	200-240 VAC	200-240 VAC
Frequency	50/60 Hz	50/60 Hz
Stirring positions	10	10
Max. stirring quantity	0.4 L [H2O] (each stirring position)	0.4 L [H2O] (each stirring position)
Max. magnetic bar	40 mm (L x Ø)	40 mm (L x Ø)
Speed range	0-1100 rpm	0-1100 rpm
Speed display	Scale	Scale
Heating output	470 W	-
Heating temperature range	RT-120°C	-
Safety temperature	140 °C	-
Temperature display	Sclae	-
Protection class	IP42	IP42
Dimension [W x D x H]	182×552×65 mm	182×552×65 mm
Weight	3,2 kg	3,2 kg
Permissible ambient temp	5-40 °C	5-40 °C
Permissible relative humidity	80%	80%
Order Informations	0.562.018	0.562.019



Accessories

Model	F101	PT1000-A	PT1000-B	PT-H1	PT-H2
	Protective cover up to 135°C, for models MSH (Ø135mm)	Temperature sensor for digital hotplate models L= 230mm	Temperature sensor galss coated for digital hotplate, L= 230mm	Support clamp of PT1000	Support clamp of PT1000 for Model SMH-L
MSH-180d / (LED)		0	0	0	
MSH- dp	0	0	0	0	
MSH- a/d	0				0
MSH- L		0	0		0
Order No.	18900119	18900116	18900136	18900117	18900148

Stirring bar:

•		
18900006	SBAR-10	Stirrer bar (10mm x 6mm)
18900007	SBAR-15	Stirrer bar (15mm x 8mm)
18900008	SBAR-20	Stirrer bar (20mm x 8mm)
18900009	SBAR-25	Stirrer bar (25mm x 8mm)
12500005	SBAR-30	Stirrer bar (30mm x 6mm)
18900011	SBAR-40	Stirrer bar (40mm x 8mm)
12500004	SBAR-51	Stirrer bar (51 mm x 8mm)
18900013	SBAR-65	Stirrer bar (65mm x 8mm)
18900014	SBAR-80	Stirrer bar (80mm x 13mm)
18900015	SBAR-r	Bar removal

Order Informations:





Additional Accessories:

Magnetic hotplate stirrers are available to hold quarter colour pies(volume range from 4ml to 16ml) and reaction blocks (volume range from 50ml to 500ml), which ensure uniform heating distribution and excellent resistance to chemicals. The colour pies and blocks with aluminium material which are easy to clean and safety for lab.

0					
S-PL1	S-PL2	S-PIE1	S-PIE2	S-PIE3	S-PIE4
Blue carrying plate, use with colour quarter pies	Blue Fixed ring, use with colour quarter pies	Red quarter pie, 11 holes, 4 ml reaction vessel, Ø15.2mm, 20mm depth	Purple quarter pie, 4 holes, 20 ml reaction vessel, Ø28mm, 24mm depth	Blue quarter pie, 4 holes, 30 ml reaction vessel, Ø28mm, 30mm depth	Black quarter pie, 4 holes, 40 ml reaction vessel, Ø28mm, 43mm depth
18900001	18900065	18900002	18900003	18900004	18900005

S-PIE5	S-PIE6	S-BL1	S-BL2	S-BL3	S-BL4
Green quarter pie, 6 holes, 8ml reaction vessel, Ø17.8mm, 26mm depth	Golden quarter pie, 4 holes, 16ml reaction vessel, Ø21.6mm, 31.7mm depth	Reaction block for 50ml round bottom flask (one flask capacity)	Reaction block for 100ml round bottom flask (one flask capacity)	Reaction block for 250ml round bottom flask (one flask capacity)	Reaction block for 500ml round bottom flask (one flask capacity)
18900048	18900049	18900080	18900081	18900082	18900083



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