

Additional

DVR-380 Vacuum controller

Specification

Suitable for the vacuum diaphragm vacuum pump controller
Pressure stability: ± 0.1 Torr/0.133mbar
Nozzle size: 8mm
Sensor material: stainless steel

Cat. No.	Voltage
18201048	Vacuum controller 220~240V, 50/60Hz
18201049	Vacuum controller 100~120V, 50/60Hz



CVC 3000 vacuum controller

Specification

Vacuum sensor: Integration.
Upper measuring limit: 1080 / 810mbar
Lower measuring limit: 0.1 / 0.1mbar
Temperature coefficient: < 0.07 mbar/hPa/0.05 torr /K
Dimension (L x W x H): 181 x 162 x 174mm
Weight : 1.5kg
Measurement principle: Ceramic diaphragm (alumina), capacitive, gas indep., absolute pressure
Accuracy of measurement: <± 1 mbar/hPa/torr / ± 1 digit (after adjustment, constant temp.)
Venting valve, connection: Integrated, hose nozzle DN 4~5 mm

Cat. No.	Descriptions
18900245	Vacuum Controller



Seals and other accessories

Cat. No.	Descriptions
18100926	Seal made of PTFE with a built-in stainless steel spring
18900190	Evaporation flask clip(red) CS002440
18900188	Evaporation flask clip(green) CS002942



C410 Chemistry-design diaphragm pump

Specification

Maximum Vacuum: 13mbar
Work Mode: In Successions
Nozzle Size: 8mm, Power: 95W
Motor speed: 1450rpm
Flow Rate:
mbar 1000 880 750 600 480 280
L/min 25 22 20 12 7.5 5
Noise: 50dB



Cat. No.	Voltage
18200743	220~240V, 50/60Hz
18200745	100~120V, 50/60Hz

MZ 1C Chemistry-design diaphragm pump

Specification

Number of heads / stages: 2 / 2
Max. pumping speed: 0.75 m³/h
Ultimate vacuum (abs.): 12mbar
Nozzle Size: DN 8~10 mm
Rated motor power: 0.06kW
Rated motor speed: 1500/1800 rpm
Noise level: 45dB
ATEX: II 3G IIC T3 X Internal Atm. only



Cat. No.	Voltage
18900231	Cn plug, 100V~120V/50Hz/60Hz
18900232	Euro plug, 100V~120V/50Hz/60Hz
18900233	USA plug, 100V~120V/50Hz/60Hz
18900234	UK plug, 100V~120V/50Hz/60Hz

Vacuum regulator/moisture trap

Cat. No.	Descriptions
18900186	In use of control small volume, installed in a vacuum between DVR380 and vacuum system. Material: P V D F, P T F E, A B S, Borosilicate Glass, Stainless Steel



DLAB 550°C series magnetic stirrer is developed for demanding applications. It is widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals, to name a few, etc. Combining with glass ceramic work plate, brushless DC motor, external temperature sensor and the work plate temperature optimized up to 550°C.

MS7-H550-Pro
LCD Digital Magnetic Hotplate Stirrer

Features

- 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(PT 1000) with an accuracy at ±0.2°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



MS7-H550-S
LED Magnetic Hotplate Stirrer



Features

- LED display for precise monitoring of temperature
- A wide speed range of 0 to 1500rpm
- Max. Heating plate temperature 550°C
- External temperature control is possible by connecting the temperature sensor(PT 1000) with accuracy at ±0.2°C
- The “HOT” warning will flash when the work plate temperature is above 50°C even the hotplate is turned off



Magnetic Hotplate Stirrers

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

-  Overheating protection
-  External sensor

-  Wide range of accessory
-  Chemical resistance



Specifications

	MS7-H550-Pro	MS7-H550-S
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
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
Stirring positions	1	1
Max. stirring quantity, [H ₂ O]	20L	10L
Max. magnetic bar[length]	80mm	80mm
Speed range	100~1500rpm resolution ±1rpm	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	±1°C(<100°C) ±1%(>100°C)	±10°C
Overheating protection	580°C	580°C
Temperature display accuracy	±0.1°C	±1°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
Dimension [W x D x H]	215x360x112mm	215x360x112mm
Weight	5.3kg	4.5kg
Permissible ambient temperature and humidity	5~40°C 80%	5~40°C 80%

MS-H-Pro^T LCD Digital Magnetic Hotplate Stirrer with Timer

MS-H-Pro⁺ LCD Digital Magnetic Hotplate Stirrer

Features

- 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 when the plate temperature is above 50°C even the hotplate is turned off
- Wide range timer function from 1min to 99h59min(MS-H-Pro^T only)
- The high-resolution LCD display shows actual temperatures and speed(MS-H-Pro^T include the time)
- 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 providing good chemical-resistant performance
- Remote function provide PC control and data transmission
- A wide variety of accessories are available



MS-H-S Magnetic Hotplate Stirrer

Features

- 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



Magnetic Hotplate Stirrers



External sensor



Brushless DC motor



Wide range of accessory



RS232 connector



Chemical resistance



Specifications

	MS-H-PRO ⁺	MS-H-PRO ^T	MS-H-S
Work plate Dimension	φ135mm(5 inch)	φ135mm(5 inch)	φ135mm(5 inch)
Work plate material	stainless steel cover with ceramic	stainless steel cover with ceramic	stainless steel cover with ceramic
Motor type	Brushless DC motor	Brushless DC motor	Brushless DC motor
Motor rating input	18W	18W	18W
Motor rating output	10W	10W	10W
Power	550W	550W	530W
Heating output	500W	500W	500W
Voltage	100~120/200~240V 50/60Hz	100~120/200~240V 50/60Hz	100~120/200~240V 50/60Hz
Stirring positions	1	1	1
Max. stirring quantity[H ₂ O]	20L	20L	20L
Max. magnetic bar[length]	80mm	80mm	80mm
Speed range	100~1500rpm resolution±1rpm	100~1500rpm resolution±1rpm	0~1500rpm resolution±1rpm
Speed display	LCD	LCD	Scale
Temperature display	LCD	LCD	Scale
Heating temperature range	Room temp.-340°C, increment 1°C	Room temp.-340°C, increment 1°C	Room temp.-340°C
Temperature control accuracy	±1°C(<100°C) ±1%(>100°C)	±1°C(<100°C) ±1%(>100°C)	-
Over temperature protection	360°C	360°C	350°C
Temperature display accuracy	±0.1°C	±0.1°C	±0.5°C
External temperature sensor	PT1000 (accuracy ±0.2)	PT1000 (accuracy ±0.2)	-
"Hot" warning	50°C	50°C	-
Timer function	-	1min to 99h 59min	-
Data connector	RS232	RS232	-
Protection class	IP42	IP42	IP42
Dimension [W x D x H]	160×280×85mm	160×280×85mm	160×280×85mm
Weight	2.8kg	2.8kg	2.8kg
Permissible ambient temperature and humidity	5~40°C 80%	5~40°C 80%	5~40°C 80%

Magnetic Hotplate Stirrers

DLAB MS-H280-Pro is a perfect device for handling small volume task on daily application, as a low temperature magnetic stirrer with Max. temperature at 280°C.

MS-H280-Pro
LED Digital Magnetic Hotplate Stirrer

Features:

- Digital temperature control with Max. temperature 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 (PT 1000) 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



External sensor



Wide range of accessory



Chemical resistance



LED display



Specifications

	MS-H280-Pro
Work plate Dimension	φ135mm(5 inch)
Work plate material	stainless steel cover with ceramic
Motor type	DC motor
Motor rating input	5W
Motor rating output	3W
Power	515W
Heating output	500W
Voltage	100~120/200~240V 50/60Hz
Stirring positions	1
Max. stirring quantity	3L
Max. magnetic bar[length]	50mm
Speed range	100~1500rpm
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
Dimension [W x D x H]	150×260×80mm
Weight	1.8kg
Permissible ambient temperature and humidity	5~40°C 80%

MS-H-S10
10-Position Magnetic Hotplate Stirrer

Features:

- 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



Skid resistance

Multiple position

Brushless DC motor

Specifications



	MS-H-S10
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	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%



Cat. No.	Descriptions	MS7-H550-Pro	MS7-H550-S	MS-H-Pro ⁺	MS-H-Pro ^T	MS-H-S	MS-H280-Pro
① 18900001	Blue carrying plate, use with color quarter pies			■	■	■	■
② 18900065	Blue Fixed ring, use with color quarter pies			■	■	■	■
③ 18900002	Red quarter pie, 11 holes, 4 mL reaction vessel, Ø15.2mm, 20mm depth	■	■	■	■	■	■
④ 18900003	Purple quarter pie, 4 holes, 20 mL reaction vessel, Ø28mm, 24mm depth	■	■	■	■	■	■
⑤ 18900004	Blue quarter pie, 4 holes, 30mL reaction vessel, Ø28mm, 30mm depth	■	■	■	■	■	■
⑥ 18900005	Black quarter pie, 4 holes, 40mL reaction vessel, Ø28mm, 43mm depth	■	■	■	■	■	■
⑦ 18900048	Green quarter pie, 6 holes, 8mL reaction vessel, Ø17.8mm, 26mm depth	■	■	■	■	■	■
⑧ 18900049	Golden quarter pie, 4 holes, 16mL reaction vessel, Ø21.6mm, 31.7mm depth	■	■	■	■	■	■
⑨ 18101006	Reaction block for 50mL round bottom flask (one flask capacity)			■	■	■	■
⑩ 18101007	Reaction block for 100mL round bottom flask (one flask capacity)			■	■	■	■
⑪ 18101008	Reaction block for 250mL round bottom flask (one flask capacity)			■	■	■	■
⑫ 18101009	Reaction block for 500mL round bottom flask (one flask capacity)			■	■	■	■
⑬ 18900019	F101 protective cover, temperature resistance of 135°C			■	■	■	■
⑭ 18900016	PT1000-A, length of 230mm	■	■	■	■		■
⑮ 18900136	PT1000-B, temperature sensor with glass coated, length of 230mm	■	■	■	■		■
⑯ 18900017	Support clamp of PT1000	■	■	■	■		
⑰ 18900148	Support clamp of PT1000						■



Stirrer bars

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

		Models		
		MS-H550-Pro MS-H550-S MS-H-Pro ⁺ MS-H-Pro ^T MS-H-S MS-S	MS-H280-Pro MS-PA MS-PB	MS-H-S10 MS-M-S10 FlatSpin EcoStir
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	■	■	■

HP550-S

LED Hotplate

Features:

- LED display shows temperature
- Max. temperature 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 transferer
- The "HOT" warning will flash when the work plate temperature is above 50°C even the hotplate is turned off



Wide range of accessory



Chemical resistance



Overheating protection



"HOT" warning
to prevent burns



Specifications

Work plate Dimension [W x D]	184x184mm (7 inch)
Work plate material	Glass ceramic
Power	1010W
Voltage Frequency	100~120/200~240V,50/60Hz
Heating Power	1000W
heating position	1
Heating temperature range	Room temp.-550°C,increment 5°C
Control accuracy of work plate	±10°C
Safety temperature	580°C
Temperature display	led
Temperature display accuracy	±1°C
External temperature sensor	PT1000(±0.5°C)
Heating warning	50°C
Protection class	IP2X
Dimension [W x D x H]	215x360x112mm
Weight	4.5kg
Permissible ambient temperature and humidity	5~40°C 80%

Magnetic Stirrers

MS7-S
7" Square Magnetic Stirrer

Features:

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



Chemical resistance



Strong magnetism



MS-S
Magnetic Stirrer

Features:

- 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

F100 protective cover

for non-hotplate model,
use with MS-S



Specifications

Work plate Dimension	184 x 184(7inch)mm
Work plate material	Glass ceramic
Motor type	Shaded pole motor
Motor input power	15W
Motor output power	1.5W
Power	30W
Voltage	100~120/200~240V,50/60Hz
Stirring positions	1
Max. stirring quantity[H ₂ O]	10L
Max. magnetic bar[length]	80mm
Speed range	0~1500rpm
Speed display	Scale
Protection class	IP2X
Dimension [W x D x H]	215 x 360 x 112mm
Weight	3.8kg
Permissible ambient temperature and humidity	5~40°C,80%

MS7-S

Work plate Dimension	184 x 184(7inch)mm
Work plate material	Glass ceramic
Motor type	Shaded pole motor
Motor input power	15W
Motor output power	1.5W
Power	30W
Voltage	100~120/200~240V,50/60Hz
Stirring positions	1
Max. stirring quantity[H ₂ O]	10L
Max. magnetic bar[length]	80mm
Speed range	0~1500rpm
Speed display	Scale
Protection class	IP2X
Dimension [W x D x H]	215 x 360 x 112mm
Weight	3.8kg
Permissible ambient temperature and humidity	5~40°C,80%

MS-S

Work plate Dimension	φ135(5 inch)mm
Work plate material	Stainless steel cover with ceramic
Motor type	Brushless DC motor
Motor input power	18W
Motor output power	10W
Power	30W
Voltage	100~120/200~240V,50/60Hz
Stirring positions	1
Max. stirring quantity[H ₂ O]	20L
Max. magnetic bar[length]	80mm
Speed range	0~1500rpm
Speed display	Scale
Protection class	IP42
Dimension [W x D x H]	160x280x85mm
Weight	2.8kg
Permissible ambient temperature and humidity	5~40°C,80%

Magnetic Stirrers

MS-PA
LED Digital Magnetic Stirrer

Features:

- Digital speed control with a range of 100~1500rpm
- Max. stirring quantity of H₂O at 3L
- LED display shows speeds
- ABS housing provides a good performance of weak acids and alkalis resistance



MS-PB
Magnetic Stirrer

Features:

- A wide range of 0~1500rpm
- Max. stirring quantity of H₂O at 3L
- ABS housing provides a good performance of weak acids and alkalis resistance



Chemical resistance



Strong magnetism



LED display



Specifications

Work plate Dimension	φ135(5 inch)mm
Work plate material	ABS
Motor type	DC motor
Motor input power	5W
Motor output power	3W
Power	15W
Voltage	100~120/200~240V,50/60Hz
Stirring positions	1
Max. stirring quantity[H ₂ O]	3L
Max. magnetic bar[length]	50mm
Speed range	100~1500rpm
Speed display	LED
Protection class	IP42
Dimension [W x D x H]	150x260x80mm
Weight	1.8kg
Permissible ambient temperature and humidity	5~40°C,80%

MS-PA

Work plate Dimension	φ135(5 inch)mm
Work plate material	ABS
Motor type	DC motor
Motor input power	5W
Motor output power	3W
Power	15W
Voltage	100~120/200~240V,50/60Hz
Stirring positions	1
Max. stirring quantity[H ₂ O]	3L
Max. magnetic bar[length]	50mm
Speed range	100~1500rpm
Speed display	LED
Protection class	IP42
Dimension [W x D x H]	150x260x80mm
Weight	1.8kg
Permissible ambient temperature and humidity	5~40°C,80%

MS-PB

Work plate Dimension	φ135(5 inch)mm
Work plate material	ABS
Motor type	DC motor
Motor input power	5W
Motor output power	3W
Power	10W
Voltage	100~120/200~240V,50/60Hz
Stirring positions	1
Max. stirring quantity[H ₂ O]	3L
Max. magnetic bar[length]	50mm
Speed range	0~1500rpm
Speed display	Scale
Protection class	IP42
Dimension [W x D x H]	150x260x80 mm
Weight	1.8kg
Permissible ambient temperature and humidity	5~40°C,80%

MS-M-S10
10-Position Magnetic Stirrer

Features:

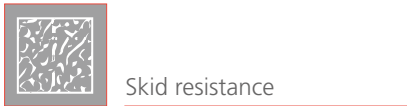
- Maintenance-free brushless DC motor
- Speed range of 0~1100rpm
- Stainless steel work plate cover with silicone cushion, provide excellent performance of skid resistance



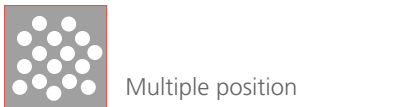
MS-M-S16
16-Position Magnetic Stirrer

Features:

- 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



Skid resistance



Multiple position







Specifications	MS-M-S10	MS-M-S16
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[H ₂ O]	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%

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

FlatSpin
Ultra-flat Compact Magnetic Stirrer

Features:

- A wide range of speed from 15 to 1500rpm
- Automatic reverse rotation for excellent mixing
- Protection class (IP 65)
- PET top provides excellent chemical resistance
- Ultra silence and vibration-free

-  Ultrathin
-  Silent operation
-  Vibration free
-  Switchable reverse rotation




Specifications	FlatSpin
Work plate Dimension	φ90mm
Work plate material	PET
Motor output power	3W
Power	5W
Voltage	100~120/200~240,V50/60Hz
Stirring positions	1
Max. stirring quantity[H ₂ O]	0.8L
Max. magnetic bar[length]	40mm
Speed range	15~1500rpm
Speed setting	button
Protection class	IP65
Dimension [W x D x H]	175x120x15mm
Weight	0.3kg
Permissible ambient temperature and humidity	5~40°C,80%

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


EcoStir
Economical Magnetic Stirrer

Features:


- Maintenance freebrushless 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




Brushless DC motor



Chemical resistance



Strong magnetic



External sensor



Specifications

	EcoStir
Work plate Dimension	φ120mm
Work plate materials	PET
Motor type	Brushless DC motor
Motor output power	1.2W
Power	7.2W
Voltage	100~120/200~240V,50/60Hz
Stirring positions	1
Max. stirring quantity[H ₂ O]	1.5L
Max. magnetic bar[length]	40mm
Speed range	300~2000prm
Speed setting	scale
Protection class	IP21
Dimension [W x D x H]	150x145x50mm
Weight	0.3kg
Permissible ambient temperature and humidity	5~40°C,80%

MS-C series provide remarkable performance in constant speed stirring, cycle stirring and dual speed stirring with various working modes for cell culture.

MS-C-S1
Magnetic Stirrer for Cell Culture

MS-C-S4
4-position Magnetic Stirrer for Cell Culture

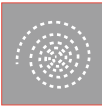
Features:

- Easy to program
- Digital LED displays the actual speed
- Multiple work modes selection
- Available in both single position and 4 position

Double Sidearm
Celstir Spinner Flask

The Celstir Spinner Flask features an adjustable paddle blade impeller for better mixing.

Cat.No.	Volume
18900235	500ml
18900236	3L



Design for low speed stirrer



LED display



Programmable



Multi-mode selection

Specifications

	MS-C-S1	MS-C-S4
Work plate Dimension	φ105mm	φ105mm
Work plate material	Cast Aluminum	Cast Aluminum
Motor type	Stepper Motor	Stepper Motor
Motor output power	15W	15W
Power/Voltage	100~120/200~240V,50/60Hz	100~120/200~240V,50/60Hz
Stirring positions	1	4(each point distance 190mm)
Max. stirring quantity[H ₂ O]	3 L	3 L x 4
Max. magnetic bar[length]	80mm	80mm
Speed range	5~200rpm (resolution ±1rpm)	5~200rpm (resolution ±1rpm)
Speed display	LED	LED
Timer range	0~49min59s	0~49min59s
Data connector	RS232	RS232
Protection class	IP2X	IP2X
Dimension [W x D x H]	205x250x90mm	395x450x90mm
Weight	2.5kg	5.5kg
Permissible ambient temperature and humidity	5~40°C,80%	5~40°C,80%