

Distilling & Mixing



Company profile

SCIOGEX, LLC based in USA which is a brand of innovative and unique laboratory products for all areas of research. Every product has been carefully selected for quality and priced to meet your budget so your lab can operate at its highest level of efficiency. Our goal is to provide great products, great prices and great service.

SCIOGEX Liquid Handling Products and Bench-top Instruments are available ONLY through our authorized distributor network. To locate a distributor in your area, please contact us. Our knowledgeable staff will be delighted to provide you with pre-purchase support and product recommendations.

Our Liquid Handling products come with a 3 year warranty and Bench-top Instruments come with a 2 year warranty and manufactured in an ISO9001 facility so you can purchase in confidence.

We thank you for your continued support and we look forward to bringing you new and exciting products at VERY competitive prices.



Visit SCIOGEX website at www.scilogex.com

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SCIOLOGEX products are manufactured according to ISO9001 and ISO13485. All products comply with EU and North America standards, CE, cTUVus, FCC marked and subjected to the strict QC control.

SCIOLOGEX instruments are tested and conform to the following safety and EMC standards:

EN 61010-1
UL 3101-1
CAN/CSA C22.2(1010-1)
EN 61010-2-10
EN 61326-1
EMC-guidelines: 89/336/EWG
Instrument guidelines: 73/023/EWG



New products for Y2013



Pipette Pump

Pipette Pump easy one hand operates. Optimally located thumbwheel rotates easily for Precision aspirating or dispensing. By depressing the side lever,entire contents can be dispensed rapidly.

- Volume capacity 2ml, 10ml and 25ml
- Color coded by volume with green, blue and red
- Thumbwheel for precision operation
- Resistant to acids, alkalis
- Easily disassembly for cleanin



MX-E

- Vortex Mixer with fixed speed is for various mixing applications with optional adapters
- Pressure touching start
- fixed speed at 3000rpm
- Eccentric bearing design
- small compact shape, ultra shock mount



FlatSpin

Ultra-flat compact magnetic stirrer, guaranteed with better mixing, it can reverse direction of rotation.

- High IP protection class (IP 65)
- Simple design is ideal for application for physical-chemical analysis and biotech labs.
- Set-up plate and casing made from chemically resistant materials
- Electronic speed control provides constant speed.
- Slip-proof, safe stand



Dispenser & Diluter

The high torque, precision stepper motors provide unsurpassed positional accuracy across the full range of syringes from 10 μ l to 50 ml.

- It is ideal for dedicated dispensing applications
- The Basic controller performs standard dilutions and dispensing.
- Certifications, CE, CSA
- 0.002% of the nominal syringe volume, more effective and precise

New products for Y2013



SK-O / L180-E

- Compact, orbital/linear shakers with ideal shaking motion, for a maximum shaking weight of 3kg
- Compact space-saving design fits easily in the incubator and refrigerator
- Continuous operation, speed range of 0-200 rpm
- Stable operation



SK-D1807-E

- Compact, 3D shakers with ideal shaking motion, for a maximum shaking weight of 3kg
- Compact space-saving design fits easily in the incubator and cryogenic box
- Aluminium-alloyed platform provides strong bearing capability, with non-slip mat holds vessels prevent slipping
- Continuous operation, speed range of 0-80 rpm



SK-R1807-E

- Compact, rocking shakers with ideal shaking motion, for a maximum shaking weight of 3kg
- Compact space-saving design fits easily in the incubator and cryogenic box
- Aluminium-alloyed platform provides strong bearing capability, with non-slip mat holds vessels prevent slipping
- Continuous operation, speed range of 0-80 rpm

Rotary Evaporator

Patented condenser with cooling surface 1,500 cm²

Chemical-resistant double PTFE system and patented pressure spring provide excellent sealing

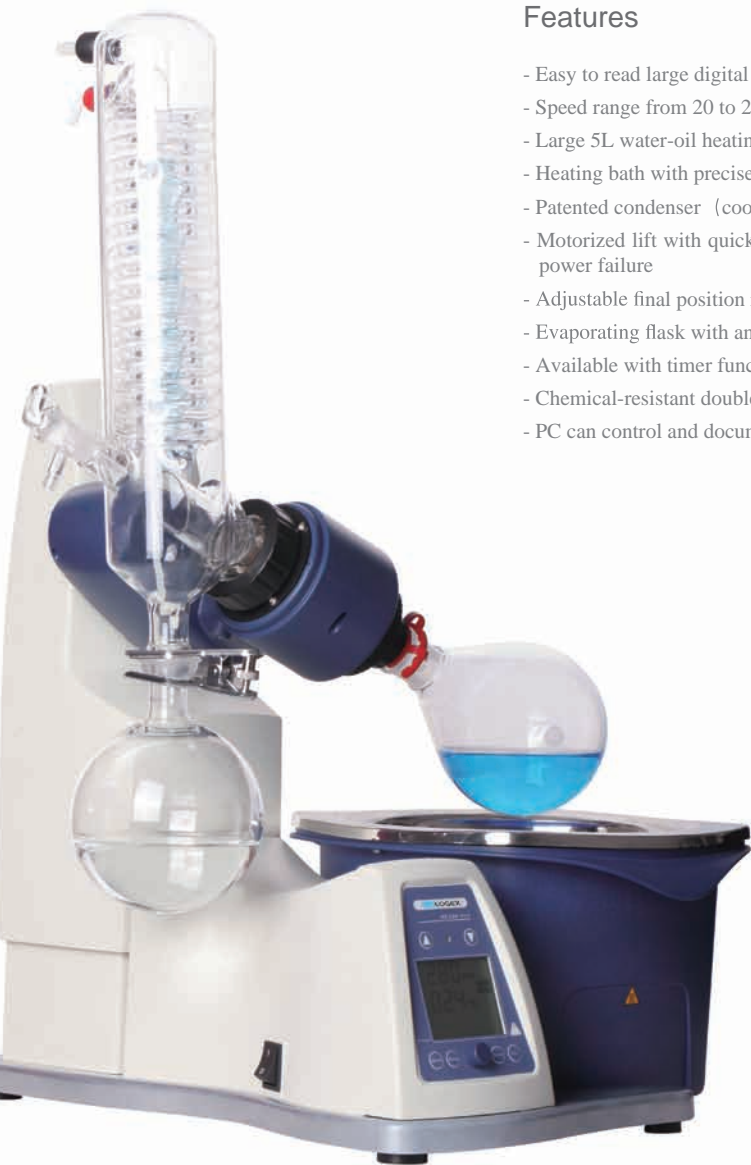
Easy to read large digital LCD screen displays heating temperature, rotation speed and timing

Motorized lift with quick-action, automatic release evaporating flask to top position in case of power failure

Large 5L water-oil heating bath with heating temperature range of RT to 180°C



RE100-Pro
LCD Digital Rotary Evaporator



Features

- Easy to read large digital LCD screen displays heating temperature, rotation speed and timing
- Speed range from 20 to 280 rpm
- Large 5L water-oil heating bath with heating temperature range of RT to 180°C and safety temperature 220°C
- Heating bath with precise temperature control and adjustable safety circuit
- Patented condenser (cooling surface 1,500 cm) with excellent cooling effect
- Motorized lift with quick-action, automatic release evaporating flask to top position in case of power failure
- Adjustable final position recognition to protect operator and sample against breakage
- Evaporating flask with an ejector, convenient to remove
- Available with timer function to precise control processing
- Chemical-resistant double PTFE system and patented pressure spring provide excellent sealing
- PC can control and document all parameters via USB

Specifications

Voltage [VAC]	100-120/200-240
Frequency [Hz]	50/60
Power [W]	1400
Motor Principle	DC brushless motor
Speed Range [rpm]	20-280
Speed Display	LCD
Reversible Direction of Rotation	Yes
Heating Temperature Range [°C]	RT-180
Heat Control Accuracy [°C]	± 1
Heat Output [W]	1300
Temperature Display	LCD
Lift	Motor
Stroke [mm]	150
Timer	Yes
Timer Display	LCD
Time Setting Range [min]	1-999
Overall Dimensions [D × W × H mm]	465 × 457 × 583
Weight [kg]	15
Permissible Ambient Temperature [°C]	5-40
Permissible Relative Humidity	80%
Protection Class acc. To DIN EN60529	IP20
USB	Yes



Features

- Easy to read large digital LCD screen displays heating temperature, rotation speed and timing
- Integrated operating panel for convenient control the main unit and heating bath



Vapor Tube

Features

- Push-off device to release flask and protect it from breaking
- Interval operation in clockwise and counterclockwise for the drying process

Accessories

Heating Bath



Features

- Large 5L water/oil heating bath can reach up to 3 L flask
- The heating bath available controls via integrated operating panel
- Heating temperature range of RT to 180°C and safety temperature 220°C
- Heating bath with precise temperature control of $\pm 1^\circ\text{C}$
- Heating bath designed a double wall with corrosion resistant coated to prevent burning and scalding

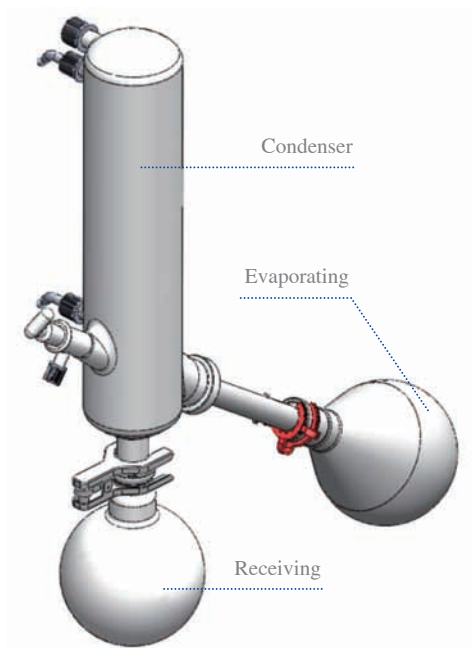
Specifications

Heating Temperature Range [$^\circ\text{C}$]	RT-180
Heat Control Accuracy [$^\circ\text{C}$]	± 1
Heat Output [W]	1300
Temperature Display	LCD
Safety Temperature [$^\circ\text{C}$]	220
Volume [L]	5

Glassware

Compact vertical condenser for all standard distillations
 Condenser type: vertical
 Cooling surface: 1500 cm²

Cat. No: 18900165



Evaporating flask
 NS 29/32



Cat. No.	Volume
18300116	50ml
18300117	100ml
18300118	250ml
18300119	500ml
18300120	1000ml
18300121	2000ml
18300122	3000ml

Spiders
 NS 29/32



Cat. No.	Volume
18300102	50ml
18300103	100ml

Receiving flask
 KS 35/20



Cat. No.	Volume
18300107	100ml
18300108	250ml
18300109	500ml
18300110	1000ml
18300111	2000ml

Connector
 NS 29/32



Cat. No.	Size
18300094	29/24
18300095	29/19
18300096	29/14



Foam brake, 250ml
NS 29/32
Cat. No: 18300093



Vapor tube
NS 29/32
Cat. No: 18300097



Seal
Cat. No: 18300098

Vacuum pump
Cat. No: 18200743



Voltage [V]	110,220	
Frequency [Hz]	50/60	
Power [W]	95	
Maximum Vacuum [mbar]	13	
Pump Speed	0 mmHg	25 L/min
	100 mmHg	22 L/min
	200 mmHg	20 L/min
	300 mmHg	12 L/min
	400 mmHg	7.5 L/min
	550 mmHg	5 L/min
Suction Nozzle Size [mm]	8	
Motor speed [rpm]	1450	
Weight [kg]	7	
Noise [dB]	50	

Recirculating chiller
Cat. No: 18200746



Model	F250	
Temperature range [°C]	-10~+40	
Temperature stability [°C]	± 0.5	
Temperature display	LED	
Pump capacity flow rate [l/min]	15	
Pump capacity flow pressure [bar]	0.35	
Cooling capacity	20°C	0.25KW
	10°C	0.22 KW
	0°C	0.21 KW
	-10°C	0.18 KW
	-20°C	0.09 KW
Filling volume [L]	1.7 ~ 2.6	
Weight [kg]	27	
Dimensions [WxLxH, cm]	24 × 40 × 52	

Ordering Information

P/N	Descriptions	Power supply	Cat. No.
RE100-Pro	Rotary Evaporator with set of glassware vertical	USA plug, 100-120V, 50/60Hz	611112010000
		Cn plug, 220-240V, 50/60Hz	611112120000
		Euro plug, 220-240V, 50/60Hz	611112220000
		UK plug, 220-240V, 50/60Hz	611112320000

Glassware

Cat. No.	P/N	Descriptions	Volume	Size
18900165		Glassware vertical	1000ml	—

Flasks

Cat. No.	P/N	Descriptions	Volume	Size
18300116		Evaporating flask	50ml	NS 29/32
18300117			100ml	NS 29/32
18300118			250ml	NS 29/32
18300119			500ml	NS 29/32
18300120			1000ml	NS 29/32
18300121			2000ml	NS 29/32
18300122			3000ml	KS 35/20
18300107		Receiving flask	100ml	KS 35/20
18300108			250ml	KS 35/20
18300109			500ml	KS 35/20
18300110			1000ml	KS 35/20
18300111			2000ml	KS 35/20
18300102		Spider	50ml	NS 29/32
18300103			100ml	NS 29/32
18300094		Connector	/	NS 29/24
18300095			/	NS 29/19
18300096			/	NS 29/14
18300093		Foam brake	250ml	NS 29/29
18300097		Vapor tube	/	NS 29/32

Additional Accessories

Cat. No.	P/N	Descriptions	Power supply
18100926		Seal, Airtight lip-seal from a PTFE compound with a built-in stainless steel spring	
18200743	C410	Chemical resistant Vacuum Pump	220-240V, 50/60Hz
18200745	C410	Chemical resistant Vacuum Pump	100-120V, 50/60Hz
18200746	F250	Recirculating chiller	220-240V, 50/60Hz
18200746	F250	Recirculating chiller	100-120V, 50/60Hz



BlueSpin Magnetic Hotplate Stirrer

BlueSpin LCD Digital 7 Inch Square Magnetic Hotplate Stirrer MS7-H550-Pro

7 inch square hotplate magnetic stirrers are widely used in chemical synthesis, physical and chemical analysis, bio-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.

SCILOGEX 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.

The heating temperature up to 550°C

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

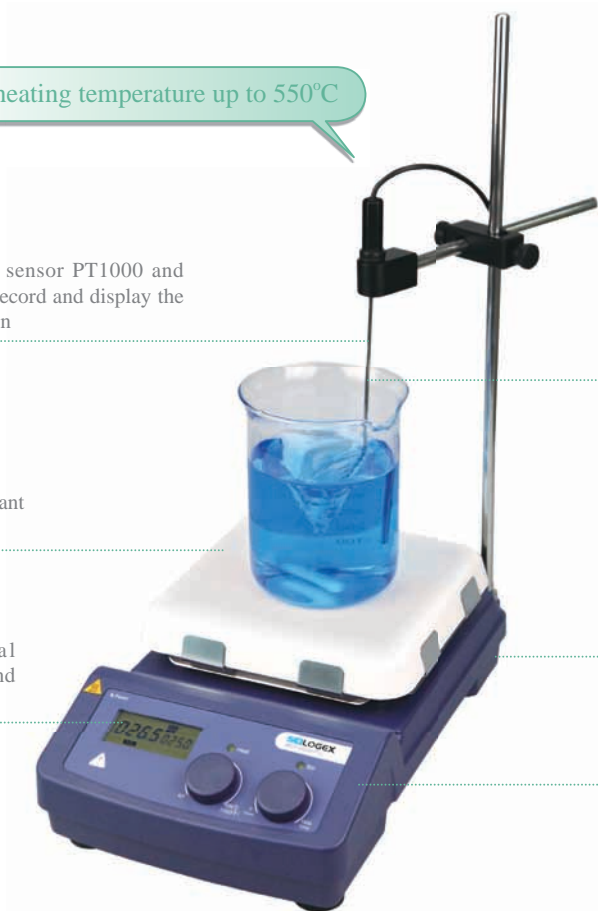
External temperature sensor PT1000 real-time controls medium temperature, control accuracy of $\pm 0.2^{\circ}\text{C}$

Glass ceramic plate is extremely resistant to corrosion and easily clean

Brushless DC motor maintenance free and lower noise

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

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



MS7-H550-Pro
BlueSpin LCD Digital 7" Square Hotplate Magnetic Stirrer
with external temperature sensor PT1000



MS7-H550-Pro
BlueSpin LCD Digital Magnetic Hotplate Stirrer
(Glass ceramic plate)



MS7-H550-Pro
with color pies

Features of MS7-H550-Pro BlueSpin LCD Digital Magnetic Hotplate Stirrer

- External temperature sensor PT1000 is available for hotplate model, real-time control medium temperature.
- Simple running interface easy to use and program. Automatically identify temperature sensor PT1000 and transfer to PT1000 operation mode. Record and display the last running parameters when switch on.
- LCD display target and actual temperature, as well as set speed and actual speed can be displayed.
- PID temperature technology precise controls heating process, rapidly reaches target temperature and enhances control accuracy Brushless DC motor maintenance free and explosion-proofed, accurately control speed
- Separate safety circuits with fixed safety temperature of 580°C, automatically stops heating once exceed secure temperature
- HOT warning indicates residual hotplate temperature. LCD display would show "Hot" when hotplate temperature over 50°C warning point, even if switched off.
- Free software StirPC, computer can control and document all operation values via RS232 interface



MS7-H550-S
BlueSpin LED Digital Magnetic Hotplate Stirrer
(Glass ceramic plate)

Features of MS7-H550-S BlueSpin LED Digital Magnetic Hotplate Stirrer

- LED display target and actual temperatures
- External temperature sensor PT1000 is available, display and control actual medium temperature, control accuracy of $\pm 0.5^{\circ}\text{C}$
- Separated safety circuits, fixed safety temperature of 580°C , automatically stops heating once exceed secure temperature
- HOT warning indicates residual hotplate temperature. LCD display would show „Hot% when hotplate temperature over 50°C warning point, even if switched off



MS7-H550-S
with external temperature sensor PT1000

BlueSpin LCD Digital Magnetic Hotplate Stirrer MS-H-Pro⁺

340°C magnetic hotplate stirrers are widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals and other fields.

PID temperature technology precise controls heating process, rapidly reaches target temperature and enhances control accuracy, heating temperature up to 340°C.

Stainless steel hotplate extremely resists of impact and corrosion, also with good uniformity of heating. The hotplate models are suitable for external temperature sensor PT1000, display and control actual medium temperature.



MS-H-Pro⁺
BlueSpin LCD Digital Hotplate Magnetic Stirrer
with external temperature sensor PT1000

Features of MS-H-Pro⁺ BlueSpin LCD Digital Magnetic Hotplate Stirrer

- External temperature sensor PT1000 is available for hotplate model, real-time controls medium temperature.
- Simple running interface easy to use and program. Automatically identify temperature sensor PT1000 and transfer to PT1000 operation mode. Record and display the last running parameter when switch on.
- LCD display target and actual temperatures, as well as set and actual speed can be displayed.
- PID temperature technology precise controls heating process, rapidly reaches target temperature and enhances control accuracy.
- Brushless DC motor maintenance free and explosion-proofed, accurately control speed
- Fully closed assembly guarantees safety and long service life, effectively prevents the liquid into unit to protect the components from damage
- Separate safety circuits, fixed safety temperature of 360°C, Automatically stops heating once exceed secure temperature
- HOT warning indicates residual hotplate temperature. LCD display would show „Hot% when hotplate temperature over 50°C warning point, even if switched off
- Free software StirPC, computer can control and document all operation values via RS232 interface



MS-H-Pro⁺
with ceramic coated hotplate

Tips

Performance of work plates

Work plates	Max heating temp (°C)	Corrosion resistance	Uniformity of heating	Impact resistance	Color	Cleaning
Glass ceramic	550	Good	Limited	Limited	White	Excellent
Ceramic	550	Good	Limited	Limited	White	Good
Ceramic coated stainless steel	370	Excellent	Good	Good	White	Good
Stainless steel	370	Good	Good	Good	Silver	Good

Features of MS-H-S 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



MS-H-S
with ceramic coated hotplate

Features of MS-H-S10 BlueSpin 10-Channel Classic Magnetic Hotplate Stirrer

- Heating temperature up to 120 °C
- High-performance multi-position magnetic stirrer with uniform temperature distribution
- Electronic speed control motor provides constant speed
- DC brushless motor maintenance free and quiet running
- Stainless steel plate with silicone film, anti-slip and anti-corrosion



MS-H-S10
BlueSpin 10-Channel Classic Magnetic Hotplate Stirrer
(Stainless steel plate with silicone film)



BlueSpin MS-H280-Pro
LED Digital Magnetic Hotplate Stirrer
(Stainless steel with corrosion-resistant coated or ceramic coated plate)

Features of MS-H280-Pro BlueSpin LED Digital Magnetic Hotplate Stirrer







Digital control system is ideal for applications for physical - chemical analysis and biotech labs.

- Heating temperature up to 280 °C
- Stainless steel with corrosion-resistant coated or ceramic coated hotplate is optional
- External temperature sensor PT1000 is available and control accuracy of $\pm 0.5^{\circ}\text{C}$, 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














MS-H280-Pro
BlueSpin with external temperature
sensor PT1000

Specifications of BlueSpin Hotplate Magnetic Stirrer

					
MS7-H550-Pro	MS7-H550-S	MS-H-Pro+	MS-H-S	MS-H280-Pro	MS-H-S10
184×184 (7 inch)	184×184 (7 inch)	φ 135 (5 inch)	φ 135 (5 inch)	φ 135 (5 inch)	180 × 450
Glass ceramic	Glass ceramic	Stainless steel with ceramic coated hotplate	Stainless steel with ceramic coated hotplate	Stainless steel with ceramic coated hotplate	Stainless steel with silicone Film
DC brushless motor	Shaded pole motor	DC brushless motor	DC brushless motor	DC motor	DC Brushless motor
18	15	18	18	5	12
10	1.5	10	10	3	4
1050	1030	550	550	515	490
100-120/200-240	100-120/200-240	100-120/200-240	100-120/200-240	100-120/200-240	100-120/200-240
50/60	50/60	50/60	50/60	50/60	50/60
1	1	1	1	1	10
20	10	20	20	3	0.4 (each stirring position)
80	80	80	80	50	40
100-1500	0-1500	100-1500	100-1500	100-1500	0-1100
LCD	Scale	LCD	Scale	LED	Scale
± 1	-	± 1	-	-	-
1000	1000	500	500	500	470
RT-550, increment 1	RT-550, increment 5	RT-340, increment 1	RT-340, increment 1	RT-280, increment 1	RT-120
± 1(<100 °C)	± 10	± 1(<100 °C)	-	± 1(<100 °C)	-
± 1%(>100 °C)		± 1%(>100 °C)		± 1%(>100 °C)	
580	580	360	360	320	140
LCD	LED	LCD	Scale	LED	Scale
± 0.1	± 1	± 0.1	-	± 1	-
PT1000	PT1000	PT1000	N/A	PT1000	N/A
± 0.2	± 0.5	± 0.2	-	± 0.5	-
50 °C	50 °C	50 °C	N/A	50 °C	N/A
Yes	N/A	Yes	N/A	N/A	N/A
IP21	IP21	IP42	IP42	IP21	IP42
EN60529					
215x360x112	215x360x112	160 × 280 × 85	160 × 280 × 85	150 × 260 × 80	182 × 552 × 65
5.3	4.5	2.8	2.8	1.8	3.2
5-40	5-40	5-40	5-40	5-40	5-40
80	80	80%	80%	80%	80%
Dimension of work plate [mm]	Dimension of work plate [mm]	Dimension of work plate [mm]	Dimension of work plate [mm]	Dimension of work plate [mm]	Dimension of work plate [mm]
Work plate material	Work plate material	Work plate material	Work plate material	Work plate material	Work plate material
Motor type	Motor type	Motor type	Motor type	Motor type	Motor type
Motor rating input [W]	Motor rating input [W]	Motor rating input [W]	Motor rating input [W]	Motor rating input [W]	Motor rating input [W]
Motor rating output [W]	Motor rating output [W]	Motor rating output [W]	Motor rating output [W]	Motor rating output [W]	Motor rating output [W]
Power [W]	Power [W]	Power [W]	Power [W]	Power [W]	Power [W]
Voltage [VAC]	Voltage [VAC]	Voltage [VAC]	Voltage [VAC]	Voltage [VAC]	Voltage [VAC]
Frequency [Hz]	Frequency [Hz]	Frequency [Hz]	Frequency [Hz]	Frequency [Hz]	Frequency [Hz]
Stirring positions	Stirring positions	Stirring positions	Stirring positions	Stirring positions	Stirring positions
Max. stirring quantity[H ₂ O],	Max. stirring quantity[H ₂ O],	Max. stirring quantity[H ₂ O],	Max. stirring quantity[H ₂ O],	Max. stirring quantity[H ₂ O],	Max. stirring quantity[H ₂ O],
Max. magnetic bar(L x Ø) [mm]	Max. magnetic bar(L x Ø) [mm]	Max. magnetic bar(L x Ø) [mm]	Max. magnetic bar(L x Ø) [mm]	Max. magnetic bar(L x Ø) [mm]	Max. magnetic bar(L x Ø) [mm]
Speed range [rpm]	Speed range [rpm]	Speed range [rpm]	Speed range [rpm]	Speed range [rpm]	Speed range [rpm]
Speed display	Speed display	Speed display	Speed display	Speed display	Speed display
Speed display resolution [rpm]	Speed display resolution [rpm]	Speed display resolution [rpm]	Speed display resolution [rpm]	Speed display resolution [rpm]	Speed display resolution [rpm]
Heating output [W]	Heating output [W]	Heating output [W]	Heating output [W]	Heating output [W]	Heating output [W]
Heating temperature range [°C]	Heating temperature range [°C]	Heating temperature range [°C]	Heating temperature range [°C]	Heating temperature range [°C]	Heating temperature range [°C]
Control accuracy of work plate [°C]	Control accuracy of work plate [°C]	Control accuracy of work plate [°C]	Control accuracy of work plate [°C]	Control accuracy of work plate [°C]	Control accuracy of work plate [°C]
Safety temperature [°C]	Safety temperature [°C]	Safety temperature [°C]	Safety temperature [°C]	Safety temperature [°C]	Safety temperature [°C]
Temperature display	Temperature display	Temperature display	Temperature display	Temperature display	Temperature display
Temperature display accuracy [°C]	Temperature display accuracy [°C]	Temperature display accuracy [°C]	Temperature display accuracy [°C]	Temperature display accuracy [°C]	Temperature display accuracy [°C]
External temperature sensor	External temperature sensor	External temperature sensor	External temperature sensor	External temperature sensor	External temperature sensor
Control accuracy with external temperature sensor PT1000 [± °C]	Control accuracy with external temperature sensor PT1000 [± °C]	Control accuracy with external temperature sensor PT1000 [± °C]	Control accuracy with external temperature sensor PT1000 [± °C]	Control accuracy with external temperature sensor PT1000 [± °C]	Control accuracy with external temperature sensor PT1000 [± °C]
Heating warning [°C]	Heating warning [°C]	Heating warning [°C]	Heating warning [°C]	Heating warning [°C]	Heating warning [°C]
Remote control (RS232 interface)	Remote control (RS232 interface)	Remote control (RS232 interface)	Remote control (RS232 interface)	Remote control (RS232 interface)	Remote control (RS232 interface)
Protection class according to DIN EN60529	Protection class according to DIN EN60529	Protection class according to DIN EN60529	Protection class according to DIN EN60529	Protection class according to DIN EN60529	Protection class according to DIN EN60529
Dimension [W x D x H] mm	Dimension [W x D x H] mm	Dimension [W x D x H] mm	Dimension [W x D x H] mm	Dimension [W x D x H] mm	Dimension [W x D x H] mm
Weight [kg]	Weight [kg]	Weight [kg]	Weight [kg]	Weight [kg]	Weight [kg]
Permissible ambient temperature [°C]	Permissible ambient temperature [°C]	Permissible ambient temperature [°C]	Permissible ambient temperature [°C]	Permissible ambient temperature [°C]	Permissible ambient temperature [°C]
Permissible relative humidity	Permissible relative humidity	Permissible relative humidity	Permissible relative humidity	Permissible relative humidity	Permissible relative humidity





Accessories

											
Cat. No.	18900001	18900002	18900003	18900004	18900005	189000048	189000049	189000080	189000081	189000082	189000083
Descriptions	Blue carrying plate, use with color quarter pies	Red quarter pie, 11 holes, 4 ml reaction vessel, ±15.2mm, 20mm depth	Purple quarter pie, 4 holes, 20 ml reaction vessel, ±28mm, 24mm depth	Blue quarter pie, 4 holes, 30 ml reaction vessel, ±28mm, 30mm depth	Black quarter pie, 4 holes, 40 ml reaction vessel, ±28mm, 43mm depth	Green quarter pie, 6 holes, 8ml reaction vessel, ±17.8mm, 26mm depth	Golden quarter pie, 4 holes, 16ml reaction vessel, ±21.6mm, 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)



MS-H-Pro⁺ with PT1000 and 1/4 color pies

Models											
MS7-H550-Pro											
MS7-H550-S											
MS-H-Pro ⁺											
MS-H-S											
MS-H280-Pro											

				
Cat. No.	18900019	18900016	18900017	18900148
Descriptions	F101 protective cover, for hotplate models, temperature resistance of 135°C	PTI 000-A, temperature sensor for digital hotplate models, length of 230mm	PTI 000-B, temperature sensor with glass coated, length of 230mm, used for digital hotplate models	Support clamp of PT1000, use with MS-H280-PRO
Models				
MS7-H550-Pro				
MS7-H550-S				
MS-H-Pro ⁺				
MS-H-S				
MS-H280-Pro				



MS-H-Pro⁺ with PT1000 and reaction block

It is available of stirrer bars



Stirrer bars and stirrer bar remove (PTFE) , use below 150°C				
Models				
		MS7-Pro MS-H-Pro+ MS-H-S MS-S	MS-H280-Pro MS-PA MS-PB	MS-H-S10 MS-M-S10
Cat. No.	Size of stirrer bars [mm]	Suitable for Max. stirrer bar 80mm	Suitable for Max. stirrer bar 50mm	Suitable for Max. stirrer bar 40mm
18900006	10mm × 6mm	●	●	●
18900007	15mm × 8mm	●	●	●
18900008	20mm × 8mm	●	●	●
18900009	25mm × 8mm	●	●	●
12500005	30mm × 6m	●	●	●
18900011	40mm × 8mm	●	●	●
12500004	51mm × 8mm	●	●	
18900013	65mm × 8mm	●		
18900014	80mm × 13mm	●		
18900015	Stirrer bar remover, length of 200mm	●	●	●

Ordering information

P/N	Descriptions	Power supply	Work plate	Cat No.
MS7-H550-Pro	BlueSpin LCD Digital 7" Square Hotplate Magnetic Stirrer	USA plug, 100-240V/50Hz/60Hz	Glass ceramics	813223009999
		Cn plug, 100-240V/50Hz/60Hz		813223019999
		Euro plug, 100-240V/50Hz/60Hz		813223029999
		UK plug, 100-240V/50Hz/60Hz		813223039999
MS7-H550-S	BlueSpin LED Digital 7" Square Hotplate Magnetic Stirrer	USA plug, 100-240V/50Hz/60Hz	Glass ceramics	813221009999
		Cn plug, 100-240V/50Hz		813221019999
		Euro plug, 100-240V/50Hz/60Hz		813221029999
		UK plug, 100-240V/50Hz/60Hz		813221039999
MS-H-Pro +	BlueSpin LCD Digital Hotplate Magnetic Stirrer	USA plug, 100-240V/50Hz/60Hz	Ceramic coated	861242019999
		Cn plug, 100-240V/50Hz/60Hz	Stainless steel	861142019999
			Ceramic coated	861242129999
		Euro plug, 100-240V/50Hz/60Hz	Stainless steel	861142129999
			Ceramic coated	861242229999
		UK plug, 100-240V/50Hz/60Hz	Stainless steel	861142229999
MS-H280-Pro	BlueSpin LED Digital Hotplate Magnetic Stirrer,	USA plug, 100-240V/50Hz/60Hz	Ceramic coated	861431019999
		Cn plug, 100-240V/50Hz/60Hz		861431129999
		Euro plug, 100-240V/50Hz/60Hz		861431229999
		UK plug, 100-240V/50Hz/60Hz		861431329999
	BlueSpin LED Digital Hotplate Magnetic Stirrer	USA plug, 100-240V/50Hz/60Hz	Stainless steel with corrosion-resistant	861131019999
		Cn plug, 100-240V/50Hz/60Hz		861131129999
		Euro plug, 100-240V/50Hz/60Hz		861131229999
		UK plug, 100-240V/50Hz/60Hz		861131329999
MS-H-S10	BlueSpin 10-Channel Classic Hotplate Magnetic Stirrers	USA plug, 100-240V/50Hz/60Hz	Stainless steel plate with silicone film	811321029999
		Cn plug, 100-240V/50Hz/60Hz		811321019999
		Euro plug, 100-240V/50Hz/60Hz		811321039999
		UK plug, 100-240V/50Hz/60Hz		811321049999

BlueSpin Magnetic Stirrer

Magnetic stirrers are widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals and other fields.



MS7-Pro
BlueSpin LCD Digital Magnetic Stirrer
(Glass ceramic plate)

Features of MS7- Pro BlueSpin LCD Digital Magnetic Stirrer

- Speed range of 100-1500 rpm
- Max. stirring quantity 20L
- glass ceramic plate is extremely resistant to corrosion and easily clean
- LCD displays target and actual speeds
- Brushless DC motor maintenance free and explosion-proofed, accurately control speed



MS-S
BlueSpin Class Magnetic Stirrer
(Stainless steel or ceramic coated plate)

Features of MS-S BlueSpin Classic Magnetic Stirrer

- Speed range of 0-1500 rpm
- Max. stirring quantity 20L
- Stainless steel and ceramic coated work plates are optional
- 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
- DC brushless motor guarantees long service

Features of MS-PA BlueSpin LED Digital Magnetic Stirrer

- Speed range of 100-1500 rpm
- Max. stirring quantity 3L
- LED display set and actual speeds (MS-PA)
- Microprocessor control technology guarantees speed control accuracy
- ABS casing with fire retardant material, resistance of weak acid and alkali



MS-PA
BlueSpin LED Digital Magnetic Stirrer
(Plastic plate)



MS-PB
BlueSpin Classic Magnetic Stirrer
(Plastic plate)

Features of MS-PB BlueSpin Classic Magnetic Stirrer

- Speed range of 0-1500 rpm
- Max. stirring quantity 3L
- ABS casing with fire retardant material, resistance of weak acid and alkali

Features of MS-M-S10 BlueSpin 10-Channel Classic Magnetic Stirrers

- Speed range of 0-1100rpm
- High-performance magnetic stirrer with 10 stirring positions benefit laboratory space
- Individually controlled stirring for consistency with various samples
- DC brushless motor maintenance free and provides constant speed
- Stainless steel plate with silicone film, anti-slip and anti-corrosion



MS-M-S10
BlueSpin 10-Channel Classic Magnetic Stirrer
(Stainless steel plate with silicone film)

Specifications of BlueSpin Magnetic Stirrer

					
	MS7-Pro	MS-S	MS-PA	MS-PB	MS-M-S10
Dimension of work plate [mm]	184 × 184 (7 inch)	φ 135 (5 inch)	φ 135 (5 inch)	φ 135 (5 inch)	180 × 450
Work plate material	Glass ceramic	Stainless steel/Ceramic coated	Plastic	Plastic	Stainless steel with silicone Film
Motor type	DC brushless motor	DC brushless motor	DC motor	DC motor	DC brushless motor
Motor rating input [W]	18	18	5	5	12
Motor rating output [W]	10	10	3	3	4
Power [W]	50	30	15	10	20
Voltage [VAC]	100-240	100-240	100-240	100-240	100-240
Frequency [Hz]	50/60	50/60	50/60	50/60	50/60
Stirring positions	1	1	1	1	10
Max. stirring quantity[H ₂ O], L	20	20	3	3	0.4 (each stirring position)
Max. magnetic bar(L × Ø) [mm]	80	80	50	50	40
Speed range [rpm]	100-1500	0-1500	100-1500	0-1500	0-1100
Speed display	LCD	Scale	LED	Scale	Scale
Speed display resolution [rpm]	± 1	-	-	-	-
Protection class according to DIN EN60529	IP21	IP42	IP42	IP42	IP42
Dimension [W × D × H] mm	215 × 360 × 112	160 × 280 × 85	150 × 260 × 80	150 × 260 × 80	182 × 552 × 65
Weight [kg]	5.3	2.8	1.8	1.8	3.2
Permissible ambient temperature [°C]	5-40	5-40	5-40	5-40	5-40
Permissible relative humidity	80	80%	80%	80%	80%

It is available of stirrer bars



		Stirrer bars and stirrer bar remover (PTFE) , use below 150°C		
		Models		
		MS7-Pro MS-S	MS-PA MS-PB	MS-M-S10
Cat. No.	Size of stirrer bars [mm]	Suitable for Max. stirrer bar 80mm	Suitable for Max. stirrer bar 50mm	Suitable for Max. stirrer bar 40mm
18900006	10mm × 6mm	●	●	●
18900007	15mm × 8mm	●	●	●
18900008	20mm × 8mm	●	●	●
18900009	25mm × 8mm	●	●	●
12500005	30mm × 6m	●	●	●
18900011	40mm × 8mm	●	●	●
12500004	51mm × 8mm	●	●	
18900013	65mm × 8mm	●		
18900014	80mm × 13mm	●		
18900015	Stirrer bar remover, length of 200m m	●	●	●

Ordering information

P/N	Descriptions	Power supply	Cat No.
MS-PA	LED Digital Magnetic Stirrer, plastic plate	USA plug,100V-220V/50Hz/60Hz	861521039999
		Cn plug,100V-220V/50Hz/60Hz	861521139999
		Euro plug,100V-220V/50Hz/60Hz	861521239999
		UK plug,100V-220V/50Hz/60Hz	861521339999
MS-PB	Classic Digital Magnetic Stirrer, plastic plate	USA plug,100V-220V/50Hz/60Hz	861520039999
		Cn plug,100V-220V/50Hz/60Hz	861520139999
		Euro plug,100V-220V/50Hz/60Hz	861520239999
		UK plug,100V-220V/50Hz/60Hz	861520339999
MS-S	Classic Magnetic Stirrer, stainless steel with ceramic coated plate	USA plug,100V-220V/50Hz/60Hz	811111129999
		Cn plug,100V-220V/50Hz/60Hz	811111119999
		Euro plug, 100V-220V/50Hz/60Hz	811111089999
		UK plug, 100V-220V/50Hz/60Hz	811111139999
MS7-Pro	LCD Digital 7" Square Plate Magnetic Stirrer, glass ceramics plate	USA plug,100V-120V/50Hz/60Hz	813213009999
		Cn plug,200V-240V/50Hz/60Hz	813213019999
		Euro plug,200V-240V/50Hz/60Hz	813213029999
		UK plug,200V-240V/50Hz/60Hz	813213039999
MS-M-S10	10-Channel Classic Magnetic Stirrer, stainless steel plate with silicone film	USA plug,100V-120V/50Hz/60Hz	811311029999
		Cn plug,200V-240V/50Hz/60Hz	811311019999
		Euro plug,200V-240V/50Hz/60Hz	811311039999
		UK plug,200V-240V/50Hz/60Hz	811311049999

Overhead Stirrer

Overhead stirrer is suitable for mixture of high viscosity liquid or solid-liquid. Widely used in chemical synthesis, pharmaceutical, physical and chemical analysis, petrochemical, cosmetics, health care, food, biotechnology and other fields.

Push-through string shaft, easy to replace vessels

Overload protection, motor would automatically stop in case of continuous overload

Cover the speed range from 50 to 2200rpm, the speed is accurate and controlled

Anti-spill samples - PC control system starts up smoothly, prevent samples overflow



DC Brushless motor maintenance free and quiet running

LCD displays set/ actual speeds, and torque

Shift speed and torque displays by mode switch button

PC can control and document all operation values via RS232 interface

OS40-Pro/ OS20-Pro
LCD Digital (Enhanced) Overhead Stirrer

Push-through string shaft, easy to replace vessels

Overload protection, motor would automatically stop in case of continuous overload

Cover the speed range from 0 to 2200rpm, the speed is accurate and controlled



LED displays actual speed

DC Brushless motor maintenance free and quiet running

Anti-spill samples - PC control system starts up smoothly, prevent samples overflow

OS40-S/ OS20-S
LED Digital (Enhanced) Overhead Stirrer



OS40-Pro/ OS20-Pro
with universal plate stand

OS40-Pro
LCD Digital Enhanced Overhead Stirrer

OS20-Pro
LCD Digital Overhead Stirrer



Features of OS40-Pro/ OS20-Pro LCD Digital (Enhanced) Overhead Stirrer

- High reliability, long continuous service, outstanding performance
- Cover the speed range from 50 to 2200rpm, the speed is accurate and controlled
- Brushless DC motor drive, low noise and maintenance free
- Setting value and actual value can be displayed, real-time monitoring torque and speed via LCD display
- Overload protection - motor would automatically stop in case of continuous overload
- Anti-spill samples - PC control system starts up smoothly, prevent samples overflow
- Extended application - PC can control and document all operation values via RS232 interface.



OS40-S
LED Digital Enhanced Overhead Stirrer

OS20-S
LED Digital Overhead Stirrer



OS40-S/ OS20-S
with universal plate stand

Features of OS40-S/ OS20-S LED Digital (Enhanced) Overhead Stirrer

- High reliability, long continuous service, outstanding performance
- Cover the speed range from 0 to 2200rpm, the speed is accurate and controlled
- Brushless DC motor drive, low noise and maintenance free
- LED displays actual speed
- Overload protection - motor would automatically stop in case of continuous overload
- Anti-spill samples - PC control system starts up smoothly, prevent samples overflow

Specifications

	OS40-Pro	OS20-Pro	OS40-S	OS20-S
Max. stirring quantity(H2O)[L]	40	20	40	20
Motor rating input[W]	120	60	120	60
Motor rating output[W]	100	50	100	50
Voltage[VAC]	100-240	100-240	100-240	100-240
Frequency [Hz]	50/60	50/60	50/60	50/60
Power[W]	130	70	130	70
Speed range[rpm]	50-2200	50-2200	0-2200	0-2200
Speed display accuracy[rpm]	± 3	± 3	-	-
Speed display	LCD	LCD	LED	LED
Speed display resolution[rpm]	± 1	± 1	± 1	± 1
Max. torque[Ncm]	60	40	60	40
Torque display	LCD	LCD	-	-
Overload protection	LED lights, motor automatic stops			
Motor protect	LED lights, motor automatic stops			
Viscosity max. [mPas]	50000	10000	50000	10000
Chuck range diameter[mm]	0.5-13	0.5-13	0.5-13	0.5-13
Dimension[W × H × D] (mm)	83 × 220 × 186	83 × 220 × 186	83 × 220 × 186	83 × 220 × 186
Weight[kg]	2.8	2.6	2.8	2.6
Protection class acc. to DIN/EN 60529	IP42	IP42	IP42	IP42
Temperature[°C]	5-40	5-40	5-40	5-40
Permission relative humidity[%]	80	80	80	80
Remote control(RS232 interface)	Yes	Yes	N/A	N/A

Accessories



Cat. No.: 18900131
Universal plate stand (W x D: 20 x 31cm), including support holder (H: 78cm) and fixing device



Cat. No.: 18900071
Crossed stirrer, shaft length 40cm, stirrer diameter 5cm, 316L stainless steel

Standard stirring element, used at medium and high speeds



Cat. No.: 18900072
Straight stirrer, shaft length 40cm, stirrer diameter 6cm, 316L stainless steel

Suitable for mixing of low viscosity media, used at medium and high speeds



Cat. No.: 18900073
Blade stirrer, shaft length 40cm, stirrer diameter 6.8cm, 316L stainless steel

Gentle processing samples, used at low and medium speeds



Cat. No.: 18900074
Centrifugal stirrer, shaft length 40cm, stirrer diameter 9cm, 316L stainless steel

Blades open with increasing speed for stirring in a round vessel with a narrow neck, used at medium and high speeds



Cat. No.: 18900075
Crossed stirrer, shaft length 35cm, stirrer diameter 6.5cm, PTFE coated

Standard stirring element, used at medium and high speeds



Cat. No.: 18900076
Straight stirrer, shaft length 35cm, stirrer diameter 7cm, PTFE coated

Suitable for mixing of low viscosity media, used at medium and high speeds



Cat. No.: 18900077
Blade stirrer, shaft length 35cm, stirrer diameter 6.8cm, PTFE coated

Gentle processing samples, used at low and medium speeds



Cat. No.: 18900078
Centrifugal stirrer, shaft length 35cm, stirrer diameter 8.5cm, PTFE coated

Blades open with increasing speed for stirring in a round vessel with a narrow neck, used at medium and high speeds

Ordering information

P/N	Descriptions	Power supply	Cat No.
OS40-Pro	LCD Digital Enhanced Overhead Stirrer (Exclude universal stand), Max. stirring quantity 40L	USA plug, 100-240V/50Hz/60Hz	840203019999
		Cn plug, 100-240V/50Hz/60Hz	840203119999
		Euro plug, 100-240V/50Hz/60Hz	840203219999
		UK plug, 100-240V/50Hz/60Hz	840203319999
OS20-Pro	LCD Digital Overhead Stirrer (Exclude universal stand), Max. stirring quantity 20L	USA plug, 100-240V/50Hz/60Hz	840103019999
		Cn plug, 100-240V/50Hz/60Hz	840103119999
		Euro plug, 100-240V/50Hz/60Hz	840103219999
		UK plug, 100-240V/50Hz/60Hz	840103319999
OS40-S	LED Digital Enhanced Overhead Stirrer (Exclude universal stand), Max. stirring quantity 40L	USA plug, 100-240V/50Hz/60Hz	840202019999
		Cn plug, 100-240V/50Hz/60Hz	840202119999
		Euro plug, 100-240V/50Hz/60Hz	840202219999
		UK plug, 100-240V/50Hz/60Hz	840202319999
OS20-S	LED Digital Overhead Stirrer (Exclude universal stand), Max. stirring quantity 20L	USA plug, 100-240V/50Hz/60Hz	840102019999
		Cn plug, 100-240V/50Hz/60Hz	840102119999
		Euro plug, 100-240V/50Hz/60Hz	840102219999
		UK plug, 100-240V/50Hz/60Hz	840102319999

Mixer, Rotator and Roller

Vortex Mixers MX-S

The Vortex mixer widely used in life science, physical and chemical analysis fields, for vigorous re-suspension of cells or chemical pellets in tubes up to 15 ml.

Features

- Touch and continuous operations
- MX-S with wide speed range of 0-2500rpm, stepless speed regulation
- MX-S used for various mixing applications with optional adapters, handles up to 48 tubes
- Specially designed vacuum suction feet hold to the work surface and prevent the unit from movement
- Aluminium cast base avoids unnecessary „walking“



MX-S
with standard top cup VT1.1
Adjustable speed

Specifications

	MX-S (Adjustable speed)
Voltage[VAC]	110-120/220-230
Frequency[Hz]	50/60
Power[W]	60
Mixing motion	Orbital
Orbital diameter[mm]	4
Motor rating input[W]	58
Motor rating output[W]	10
Speed range[rpm]	0-2500
Speed display	Scale
Run type	Continuous/ touch operation
Dimensions[W × H × D mm]	127 × 130 × 160
Weight[kg]	3.5
Permissible ambient temperature[°C]	5-40
Permissible relative humidity	80%
Protection class acc. DIN EN60529	IP21

Accessories



MX-S
with VT1.3-universal top
plate and a tube adapter
Continuous operation



MX-S
with VT1.1-standard top cup
Touch operation



MX-S
with VT1.2-holding rod and tube
adapter
Touch operation



Cat No.: 18900034
VT1.1 Standard top
for $\pm 30\text{mm}$ tubes and small
vessels



Cat No.: 18900035
VT1.3 Universal top plate
 $\pm 100\text{mm}$



Cat No.: 18900020
VT1.3.1 tube adapter
for 48 holes test tubes, $\pm 6\text{mm}$,
used with VT1.3/ VT1.2



Cat No.: 18900021
VT1.3.2 tube adapter
for 18 holes test tubes, $\pm 10\text{mm}$,
used with VT1.3/ VT1.2



Cat No.: 18900022
VT1.3.3 tube adapter
for 12 holes test tubes, $\pm 12\text{mm}$,
used with VT1.3/ VT1.2



Cat No.: 18900023
VT1.3.4 tube adapter
for 8 holes test tubes, $\pm 16\text{mm}$,
used with VT1.3/ VT1.2



Cat No.: 18900024
VT1.3.5 tube adapter
for 8 holes test tubes, $\pm 20\text{mm}$,
used with VT1.3/ VT1.2



Cat No.: 18900043
VT1.3.6 Platform pad
for $\leq 99\text{mm}$ tubes and small
vessels



Cat No.: 18900044
VT1.2 Tube holding rod
used with tube adapters



Cat No.: 18900158
VT1.3.7 Rubber vacuum
suction foot

Application of accessories

Accessories	Adjustable speed model (2500rpm)	
	Touch mode	Continuous mode
VT1.1	Y	Y
VT1.2 + VT1.3.1	Y	
VT1.2 + VT1.3.2	Y	
VT1.2 + VT1.3.3	Y	
VT1.2 + VT1.3.4	Y	
VT1.2 + VT1.3.5	Y	
VT1.3 + VT1.3.6	Y	
VT1.3 + VT1.3.1		Y
VT1.3 + VT1.3.2		Y
VT1.3 + VT1.3.3		Y
VT1.3 + VT1.3.4		Y
VT1.3 + VT1.3.5		Y

Ordering information

P/N	Descriptions	Power Supply	Cat No.
MX-S	Vortex Mixer (adjustable speed), with VT1.1 standard top	Cn plug, 220-230V/50Hz	821200019999
		Cn plug, 220-230V/60Hz	821200029999
		USA plug, 100-120V/50Hz	821200039999
		USA plug, 100-120V/60Hz	821200049999
		Euro plug, 220-230V/50Hz	821200059999
		Euro plug, 220-230V/60Hz	821200099999
		UK plug, 220-230V/50Hz	821200069999
		UK plug, 220-230V/60Hz	821200109999

Microplate Mixer MX-M

Compact and universal Microplate Mixer can hold one or two microplates, used in life science field including microbiology, cell and molecular biology, immunology and biotechnology.

Features

- Compact and universal Microplate Mixer suitable for small vessels and 96 microplate
- Wide range of accessories, easy installation and replacement
- Continuous operation
- Stepless speed regulation of motor
- DC brushless motor low running noise and long service



MX-M
with microplate clamp



MX-M
with universal top plate and a tube adapter

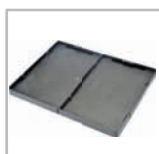


MX-M
with double microplate clamp

Accessories



Cat No.: 18900042
PS1.2
Microplate clamp



Cat No.: 18900079
MXM-116
Double microplate clamps



Cat No.: 18900067
PS1.1 Universal top plate (round)
Used with tube adapters



Cat No.: 18900020
VT1.3.1 tube adapter for 48 holes test tubes, Ø6mm, used with PS1.1



Cat No.: 18900021
VT1.3.2 tube adapter for 18 holes test tubes, Ø10mm, used with PS1.1



Cat No.: 18900022
VT1.3.3 tube adapter for 12 holes test tubes, Ø12mm, used with PS1.1



Cat No.: 18900023
VT1.3.4 tube adapter for 8 holes test tubes, Ø16mm, used with PS1.1



Cat No.: 18900024
VT1.3.5 tube adapter for 8 holes test tubes, Ø20mm, used with PS1.1

Specifications

Voltage [VAC]	100-240
Frequency [Hz]	50/60
Power [W]	20
Shaking movement	Orbital
Orbital diameter [mm]	4.5
Max. shaking weight (with accessory) [kg]	0.5
Motor type	DC brushless motor
Motor rating input [W]	18
Motor rating output [W]	10
Speed range [rpm]	Single microplate: 0-1500 Double microplate : 0-1000
Speed display	Scale
Dimensions [mm]	260 × 150 × 80
Weight [kg]	3
Permissible ambient temperature [°C]	5-40
Permissible relative humidity	80%
Protection class acc. to DIN EN60529	IP21

Ordering information

P/N	Descriptions	Power Supply	Cat No.
MX-M	Microplate Mixer	Cn plug, 100-240V/50Hz/60Hz	822000019999
		USA plug, 100-240V/50Hz/60Hz	822000029999
		Euro plug, 100-240V/50Hz/60Hz	822000039999
		UK plug, 100-240V/50Hz/60Hz	822000049999

NEW

Rotator MX-RL-Pro / MX-RD-Pro

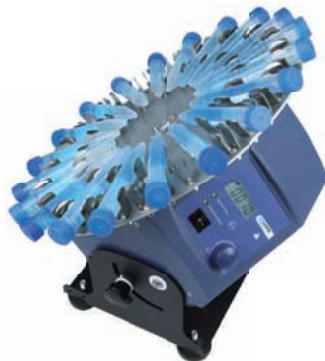
The rotators give gentle but effective mixing of biological samples to be held in 1.5ml to 50ml micro tubes, used in a variety of applications including immune precipitations, prevention of blood coagulation, latex diagnostics etc.



MX-RD-Pro with dual dish accessories and support rods



MX-RD-Pro LCD Digital Rotator



MX-RD-Pro with dish accessory

Features of MX-RD-Pro LCD Digital Rotator

- The rotator comes with a disk type design
- Digital control speed and allowing procedures to be accurate
- LCD displays timer
- Rolling action, gives gentle but effective mixing
- Adjustable speed range of 10 to 70rpm
- Adjustable mixing angle between 0 and 90°
- Used with a wide variety of accessories
- Continuous and timed quiet operation

Features of MX-RL-Pro LCD Digital Rotator

- The rotator comes with a rotisserie type design
- Digital control speed and allowing procedures to be accurate
- LCD displays timer
- End-over-end action, gives gentle but effective mixing
- Adjustable speed range of 10 to 70rpm
- Used with a wide variety of accessories
- Continuous and timed quiet operation



MX-RL-Pro LCD Digital Rotator



MX-RL-Pro with rotisserie accessory

Classic Rotator MX-RD-E/MX-RL-E

Features

- End-over-end or rolling action, gives gentle but effective mixing
- Adjustable speed range of 0 to 80rpm
- Used with a wide variety of accessories
- Continuous quiet operation

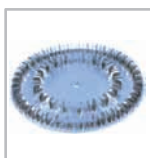


MX-RD-E



MX-RL-E

Accessories



Cat No.: 18900160
Used for MX-RD-Pro
Disk accessory, for 1.5mlx60
centrifuge tubes holder



Cat No.: 18900161
Used for MX-RD-Pro
Disk accessory, 15mlx16
centrifuge tubes holder



Cat No.: 18900162
Used for MX-RD-Pro
Disk accessory, 50mlx8
centrifuge tubes holder



Cat No.: 18900140
Disk support rods, 1 pc, used
with disk accessories



Cat No.: 18900142
Used for MX-RL-Pro
Rotisserie accessory, for
1.5mlx48 centrifuge tubes held
horizontally



Cat No.: 18900143
Used for MX-RL-Pro
Rotisserie accessory, for 15mlx24
centrifuge tubes held horizontally



Cat No.: 1 8900144
Used for MX-RL-Pro
Rotisserie accessory, for
50mlx24 centrifuge tubes held
horizontally



Cat No.: 1 8900145
Used for MX-RL-Pro
Rotisserie accessory, for 1.5mlx32
centrifuge tubes held vertically



Cat No.: 18900146
Used for MX-RL-Pro
Rotisserie accessory, for
15mlx16 centrifuge tubes held
vertically



Cat No.: 18900147
Used for MX-RL-Pro
Rotisserie accessory, for 50mlx16
centrifuge tubes held vertically



Used for MX-RL-E/MX-RD-E
Disk / Rotisserie accessory, for
1.5ml, 15ml and 50ml
centrifuge tubes holder

Specifications

	MX-RD-Pro / MX-RL-Pro	MX-RD-E/MX-RL-E
Voltage [VAC]	100-240	100-240
Frequency [Hz]	50/60	50/60
Power [W]	40	20
Motor type	DC motor	DC motor
Tilt angle [°]	0-90	90
Speed range [rpm]	10-70	0-80
Speed display	LCD	-
Timer	Yes	-
Timer display	LCD	-
Time setting range [min]	1-1199	-
Operation type	Continuous / timed operation	Continuous
Dimensions [D × W × H mm]	220×510×260 (MX-RL-Pro) 280×210×300 (MX-RD-Pro)	150×530×190 (MX-RL-E) 300×220×310 (MX-RD-E)
Weight [kg]	8	1.7 (MX-RL-E) / 2 (MX-RD-E)
Permissible ambient temperature [°C]	5-40	5-40
Permissible relative humidity	80%	80%
Protection class acc. To DIN EN60529	IP21	IP21

Ordering information

Cat No.	P/N	Descriptions	Power Supply
824232019999	MX-RD-Pro	LCD Digital Rotator (exclude accessory), used with disk accessories, variable speed, adjustable mixing angle	USA plug, 100-240V/50Hz/60Hz
824232119999			Cn plug, 100-240V/50Hz/60Hz
824232219999			Euro plug, 100-240V/50Hz/60Hz
824232319999			UK plug, 100-240V/50Hz/60Hz
824222019999	MX-RL-Pro	LCD Digital Rotator (exclude accessory), used with rotisserie accessories, variable speed, adjustable mixing angle	USA plug, 100-240V/50Hz/60Hz
824222119999			Cn plug, 100-240V/50Hz/60Hz
824222219999			Euro plug, 100-240V/50Hz/60Hz
824222319999			UK plug, 100-240V/50Hz/60Hz
824230019999	MX-RD-E	Classic Rotator (exclude accessory), used with disk accessories, variable speed	USA plug, 100-240V/50Hz/60Hz
824230119999			Cn plug, 100-240V/50Hz/60Hz
824230219999			Euro plug, 100-240V/50Hz/60Hz
824230319999			UK plug, 100-240V/50Hz/60Hz
824220019999	MX-RL-E	Classic Rotator (exclude accessory), used with rotisserie accessories, variable speed	USA plug, 100-240V/50Hz/60Hz
824220119999			Cn plug, 100-240V/50Hz/60Hz
824220219999			Euro plug, 100-240V/50Hz/60Hz
824220319999			UK plug, 100-240V/50Hz/60Hz

Tube Roller MX-T6-S

The tube roller provides a gentle but highly efficient rocking and rolling motions, ideal for mixing blood samples, viscous substances and liquid-solid suspensions. Used in a variety of applications, prevention of blood coagulation and immune precipitation etc.

Features of MX-T6-S Tube Roller

- Rocking and rolling motions for complete mixing
- Speed range of 0-70rpm
- Six roller design with small footprint and easy clean
- Designed for continuous operation
- Can be used in cold rooms or in incubators



MX-T6-S
Classic Tube Roller

Specifications

MX-T6-S	
Voltage [VAC]	100-240
Frequency [Hz]	50/60
Power [W]	25
Motor type	DC motor
Rocking motion	Rocking and rolling
Amplitude [mm]	24
Max. load capacity [kg]	4
Number of rollers	6
Roller size (L) [mm]	280
Speed range [rpm]	0-70
Speed display	Scale
Operation type	Continuous operation
Dimensions [D × W × H mm]	450 × 260 × 120
Weight [kg]	4.5
Permissible ambient temperature [°C]	5-40
Permissible relative humidity	80%
Protection class acc. To DIN EN60529	IP21

Ordering information

P/N	Descriptions	Power Supply	Cat No.
MX-T6-S	Classic Tube Roller, variable speed, 6 rollers	Cn plug, 100-240V/50Hz/60Hz	823210019999
		USA plug, 100-240V/50Hz/60Hz	823210119999
		Euro plug, 100-240V/50Hz/60Hz	823210219999
		UK plug, 100-240V/50Hz/60Hz	823210319999

Shaker

Orbital and Linear Digital Shakers

Orbital and Linear Digital Shakers provide smooth and quiet motions for mixing in culture dishes, flasks and beakers.

SK-O330-Pro / SK-L330-Pro SK-O180-Pro / SK-L180-Pro

Features

- Compact, orbital and Linear shakers with ideal shaking motion, for a maximum shaking weight of 7.5kg and 2.5kg
- LCD displays speed and timer. Speed, timer and operating mode can be viewed simultaneously
- Wide range of platforms for use with a variety of vessels
- Electronic time switching clock controls time or continuous operation mode
- DC brushless motor, long service life and maintenance free
- Over speed detection and protection
- Free software ShakerPC, computer can control and document all operation values via RS232 interface

SK-O180-E / SK-L180-E

Features

- Compact, orbital/linear shakers with ideal shaking motion, for a maximum shaking weight of 3kg
- Compact space-saving design fits easily in the incubator and refrigerator
- Continuous operation, speed range of 0-200 rpm
- Stable operation



SK-O330-Pro / SK-L330-Pro
with SK330.4 dish attachment

SK-O180-Pro / SK-L180-Pro
with flask fixing clip and attachment

SK-O180-E / SK-L180-E

Specifications

	SK-O330-Pro SK-L330-Pro	SK-O180-Pro SK-L180-Pro	SK-O180-E SK-L180-E
Voltage[VAC]	100-240	100-240	100-240
Frequency[Hz]	50/60	50/60	50/60
Power[W]	30	30	30
Shaking motion	Orbital/Linear	Orbital/Linear	Orbital/Linear
Orbital diameter[mm]	10	4	20
Max. load capacity (with platform) [kg]	7.5	2.5	3
Motor type	DC brushless motor	DC brushless motor	DC motor
Motor rating input[W]	28	28	16
Motor rating output[W]	15	15	10
Speed range[rpm]	100-350 (Linear) 100-500 (Orbital)	100-350 (Linear) 100-800 (Orbital)	0-200
Speed display	LCD	LCD	-
Timer	Yes	Yes	-
Timer display	LCD	LCD	-
Time setting range[min]	1-1199	1-1199	-
Operation type	Continuous / timed operation	Continuous / timed operation	Continuous
Dimensions[W × H × D mm]	420 × 370 × 100	340 × 300 × 100	330 × 270 × 110
Weight[kg]	13.5	8.1	3.1
Permissible ambient temperature[°C]	5-40	5-40	5-40
Permissible relative humidity	80%	80%	80%
Protection class acc. DIN EN60529	IP21	IP21	IP21
RS232 interface	Yes	Yes	-

3D Shaker



SK-D3309-Pro

- Gentle 3D motion with fixed angle 9°
- Load up to 5kg
- Speed range of 10-70rpm
- Designed for continuous or timed operation
- LCD display for speed and timer adjustment. Speed and timer can be viewed simultaneously
- Wide range of accessory platform to be used for variable size vessels, and non-slip mat holds vessels prevent slipping



SK-D1807-E

- Compact, 3D shakers with ideal shaking motion, for a maximum shaking weight of 3kg
- Compact space-saving design fits easily in the incubator and cryogenic box
- Aluminium-alloyed platform provides strong bearing capability, with non-slip mat holds vessels prevent slipping
- Continuous operation, speed range of 0-80 rpm

Specifications

	SK-D3309-Pro	SK-D1807-E
Voltage [VAC]	100-240	100-240
Frequency [Hz]	50/60	50/60
Power [W]	50	20
Title angle [°]	9°	7°
Max.load capacity(with platform [kg]	5	3
Speed range [rpm]	10-70	0-80
Speed display	LCD	-
Timer	Yes	-
Timer display	LCD	-
Time setting range [min]	1-1199	-
Operation type	Continuous/timed operation	Continuous
Size [D×W×H mm]	430×360×106	330×270×130
Weight [kg]	9	2.7
Permissible ambient temperature [C]	5-40	5-40
Permissible relative humidity	80%	80%
Protection class acc. To DIN EN60529	IP21	IP21

Ordering information

Cat No.	P/N	Descriptions	Power supply
834220019999	SK-D3309-Pro	LCD Digital 3D Shaker (without platform), angle 9°	USA plug,100V-220V/50Hz/60Hz
834220119999			Cn plug,100V-220V/50Hz/60Hz
834220219999			Euro plug,100V-220V/50Hz/60Hz
834220319999			UK plug,100V-220V/50Hz/60Hz
834112019999	SK-D1807-E	Classic of 3D Shaker (without platform), angle 7°	USA plug,100V-220V/50Hz/60Hz
834112119999			Cn plug,100V-220V/50Hz/60Hz
834112219999			Euro plug,100V-220V/50Hz/60Hz
834112319999			UK plug,100V-220V/50Hz/60Hz

Rocking Shaker



SK-R330-Pro

- Smooth see-saw rocking motion with fixed angle 9°
- Load up to 10kg
- Speed range of 10-70rpm
- Designed for continuous or timed operation
- Digital speed control and LCD display, speed and timer can be viewed simultaneously
- Wide range of accessory platform to be used for



SK-R1807-E

- Compact, rocking shakers with ideal shaking motion, for a maximum shaking weight of 3kg
- Compact space-saving design fits easily in the incubator and cryogenic box
- Aluminium-alloyed platform provides strong bearing capability, with non-slip mat holds vessels prevent slipping
- Continuous operation, speed range of 0-80 rpm

Specifications

	SK-R330-Pro	SK-R1807-E
Voltage [VAC]	100-240	100-240
Frequency [Hz]	50/60	50/60
Power [W]	40	20
Title angle [°]	9	7
Max.load capacity(with platform [kg]	10	3
Speed range [rpm]	10-70	0-80
Speed display	LCD	-
Timer	Yes	-
Timer display	LCD	-
Time setting range [min]	1-1199	-
Operation type	Continuous/timed operation	Continuous
Size [D×W×H [mm]	410×360×200	330×270×130
Weight [kg]	9	3.2
Permissible ambient temperature [°C]	5-40	5-40
Permissible relative humidity	80%	80%
Protection class acc. To DIN EN60529	IP21	IP21

Ordering information

Cat No.	P/N	Descriptions	Power supply
833210019999	SK-R330-Pro	LCD Digital Rocking Shaker (without platform), see-saw wave, angle 9	USA plug, 100V-220V/50Hz/60Hz
833210119999			Cn plug, 100V-220V/50Hz/60Hz
833210219999			Euro plug, 100V-220V/50Hz/60Hz
833210319999			UK plug, 100V-220V/50Hz/60Hz
833132019999	SK-R1807-E	Classic of Rocking Shaker (without platform), angle 7	USA plug, 100V-220V/50Hz/60Hz
833132119999			Cn plug, 100V-220V/50Hz/60Hz
833132219999			USA plug, 100V-220V/50Hz/60Hz
833132319999			Cn plug, 100V-220V/50Hz/60Hz

Optional accessories of Shaker

Cat. No.	18900027	18900040	18900155	18900028	18900025	18900038	18900039	18900026
P/N	SK330.1	SK330.3	SK330.5	SK330.2	SK180.1	SK180.3	SK180.4	SK180.2
Descriptions	Universal attachment with 4 bars	Lengthways roller attachment	Dish platform with non-slip mat and fixed string (8 pcs)	Fixing clip attachment	Universal attachment with 3 bars	Lengthways roller attachment	Dish attachment with non-slip mat	Fixing clip attachment
Used with Shakers								
Rocking Shaker	●	●	●	●				
3D Shaker	●	●	●	●				
Orbital and Linear Shaker (7.5kgs)	●	●	●	●				
Orbital and Linear Shaker (2.5kgs)					●	●	●	●
E series(3kgs)					●	●	●	●

Cat. No.	18900029	18900030	18900031	18900032	18900033	18900036	18900037
P/N							
Descriptions	Fixing clip for flask volume 25ml, used with SK330.2 & SK180.2	Fixing clip for flask volume 50ml, used with SK330.2 & SK180.2	Fixing clip for flask volume 100ml, used with SK330.2 & SK180.2	Fixing clip for flask volume 200/250ml, used with SK330.2 & SK180.2	Fixing clip for flask volume 500ml, used with SK330.2 & SK180.2	Bar for SK330.1 universal attachment	Bar for SK180.1 universal attachment
Used with Shakers							
Rocking Shaker	●	●	●	●	●	●	
3D Shaker	●	●	●	●	●	●	
Orbital and Linear Shaker (7.5kgs)	●	●	●	●	●	●	
Orbital and Linear Shaker (2.5kgs)	●	●	●	●	●		●
E series(3kgs)	●	●	●	●	●		●

Ordering information

P/N	Descriptions	Power Supply	Cat No.
SK-L180-Pro	LCD Digital Linear Digital Shaker (2.5Kg) without attachment	USA plug,100V-220V/50Hz/60Hz	831010059999
		Cn plug,100V-220V/50Hz/60Hz	831010019999
		Euro plug,100V-220V/50Hz/60Hz	831010039999
		UK plug,100V-220V/50Hz/60Hz	831010049999
SK-O180-Pro	LCD Digital Orbital Digital Shaker (2.5Kg) without attachment	USA plug,100V-220V/50Hz/60Hz	832010059999
		Cn plug,100V-220V/50Hz/60Hz	832010019999
		Euro plug,100V-220V/50Hz/60Hz	832010039999
		UK plug,100V-220V/50Hz/60Hz	832010049999
SK-L330-Pro	LCD Digital Linear Digital Shaker (7.5 Kg) without attachment	USA plug,100V-220V/50Hz/60Hz	831010089999
		Cn plug,100V-220V/50Hz/60Hz	831010029999
		Euro plug,100V-220V/50Hz/60Hz	831010069999
		UK plug,100V-220V/50Hz/60Hz	831010079999
SK-O330-Pro	LCD Digital Orbital Digital Shaker (7.5 Kg) without attachment	USA plug,100V-220V/50Hz/60Hz	832010089999
		Cn plug,100V-220V/50Hz/60Hz	832010029999
		Euro plug,100V-220V/50Hz/60Hz	832010069999
		UK plug,100V-220V/50Hz/60Hz	832010079999
SK-O180-E	LCD Digital Orbital Digital Shaker (3Kg) attachmen	USA plug,100V-220V/50Hz/60Hz	832112019999
		Cn plug,100V-220V/50Hz/60Hz	832112119999
		Euro plug,100V-220V/50Hz/60Hz	832112219999
		UK plug,100V-220V/50Hz/60Hz	832112319999
SK-L180-E	LCD Digital Orbital Digital Shaker (3Kg) attachmen	USA plug,100V-220V/50Hz/60Hz	831112019999
		Cn plug,100V-220V/50Hz/60Hz	831112119999
		Euro plug,100V-220V/50Hz/60Hz	831112219999
		UK plug,100V-220V/50Hz/60Hz	831112319999



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