



# PROFESSIONAL **LABORATORY**

INSTRUMENT MANUFACTURER

---

# THE CHOICE OF **NEW GENERATION LABORATORY**



# CONTENT

**01-05**      **MAGNETIC STIRRER**

---

**06-08**      **OVERHEAD STIRRER**

---

**09-11**      **VORTEX MIXER**

---

**12-14**      **VISCOMETER**

---

**15-17**      **VACUUM PUMP**

---

**18-19**      **THERMAL CONTROL**

---

**20-21**      **HEATING PLATE**

---

**22**          **DRYING OVEN**

---

# LACHOI SCIENTIFIC INSTRUMENT

LAB INSTRUMENT MANUFACTURE

# COMPANY PROFILE

LACHOI Scientific Instruments (Shaoxing) Co., Ltd. has been engaged in the laboratory instrument industry since 2013. In 2017, LACHOI fully expanded the diversified international market, providing cost-effective products and innovative customized solutions for global users.

Over the past ten years, LACHOI has developed into an international brand of universal laboratory instruments integrating research and development, production and sales.

In 2018, a comprehensive research and development center was set up to produce strength by aggregating various categories. We continue to strengthen the independent research and innovation capacity, expand the production layout, the total area of the existing production and research and development base in 2023 year is about 20,000 square meters.



The product line mainly includes: Magnetic Stirrer, Overhead Stirrer, Lab Centrifuge, Vortex Mixer, Heat Collecting Magnetic Stirrer, Viscometer, Vacuum Pump, Water Bath, etc., which is the safe choice for many research and development personnel's daily experiments.

Our products have the precious characteristics of reliability, safety and durability; And through the new research and development design, leading core functional technology, higher level of instrument selection, to help users to achieve personalized needs, to ensure that in the whole life cycle of instruments and equipment to provide high quality, high precision experimental results. With high quality products and services, good reputation and reputation, LACHOI has won more and more overseas customers' attention and recognition.

In the future, LACHOI will continue to adhere to the "specialty and innovation", focus on innovative products and core technologies, focus on the core task of brand development, comprehensively promote the brand and enhance product power, help customers create maximum value, and achieve win-win cooperation.





# MINI MAGNETIC STIRRER



MS series mini magnetic stirrer is a laboratory instrument for liquid mixing, which is mainly used to stir or heat and stir low viscosity liquid or solid-liquid mixture at the same time. The mini magnetic stirrer is simple and easy to carry, suitable for mobile operation, and the maximum mixing capacity is 2L. Stepless speed regulation, wide speed range, precise control, strong magnet, not easy to jump.

## PRODUCT FEATURES

- LCD liquid crystal display, intuitive and clear, easy to operate
- ABS high-strength shell, surface matte treatment, not easy to age, beautiful and light;
- DC permanent magnet motor, low noise, maintenance-free, high-speed bearing, stable operation;
- Equipped with cover opening protection, overspeed protection, and automatic fault warning functions to enhance safety;
- Using flexible anti-vibration foot pads, metal base, and triangular structure, the instrument has good stability, low operating noise and no displacement during operation.



1000mPa·s



Max Stirring  
H<sub>2</sub>O 2L



Quick Liquid  
Stirring



Stirring Bar



Simple Operation

Product Model	LCH-MS-M1	LCH-MS-M2
Image		
Voltage	AC100-240V DC3V1A	AC110/220V DC12V2A
Frequency (Hz)	50-60	
Power (W)	3	24
Max Stirring H <sub>2</sub> O Volume	2L	500ml
Max Stirring Viscosity (mPa·s)	1000	
Temperature Range (°C)	/	RT+15/RT+30
Speed Range (rpm)	Start-2000	
Working Size (mm)	115*115	φ90
Motor Type	Miniature Brushless Motor	

# MAGNETIC STIRRER

MSB series magnetic stirrer, mainly used for stirring or simultaneous heating and stirring low viscous liquid or solid liquid mixtures. the sample temperature can be heated and controlled according to the specific experimental requirements to maintain experimental required temperature condition to ensure liquid mixing.



## PRODUCT FEATURES

- Backlit LCD display set and current values, clear and intuitive
- DC brushless motor, stepless speed adjustable encoder, low noise, maintenance-free, smooth operation
- A variety of operating modes ensure that the stirring function does not change due to external factors
- With positive and inversion function and program editing function, positive & reverse switching, temp switch can be achieved, fully stirring
- High temp resistant strong magnetic steel to ensure sufficient suction force and torque, stirring effect is significant



LCD Display



Speed/Timing Adjustable



Fast Heating



Quick Liquid Stirring



Stirring Bar

Product Model	LCH-MSB-S	LCH-MSB-H	LCH-MSB-D	LCH-MSB-HD
Image				
Voltage (V)	AC100-240	AC110/220	AC100-240	AC110/220
Frequency (Hz)	50-60			
Power (W)	10	450	24	550
Display Mode	/	/	LCD	LCD
Max Stirring H <sub>2</sub> O Volume (L)	5			
Temperature Range (°C)	/	RT-300	/	RT-300
Speed Range (rpm)	200-1600		100-1600	
Timing Range	/		1-99h59min	
Working Size (mm)	170*170	150*150	170*170	150*150
Material of Working Plate	Tempered Glass	Cast aluminum + Ceramic spraying	Tempered Glass	Cast aluminum + Ceramic spraying
Motor Type	DC Brushless Motor			

# MAGNETIC STIRRER (ALUMINUM)

MSA series magnetic stirrer is a laboratory instrument for liquid mixing, mainly used for stirring or simultaneous heating of low viscosity liquid or solid-liquid mixtures. With the heating temperature control system, it can heat and control the sample temperature according to the specific experimental requirements, maintain the temperature conditions required by the experimental conditions, and ensure that the liquid mixing meets the experimental requirements.



## PRODUCT FEATURES

- The LCD screen displays the set speed and actual speed, which is intuitive and clear;
- It can realize positive and reverse mixing, and it can be stopped and started slowly in the middle of positive and reverse rotation;
- DC brushless motor, low noise, maintenance free, stable operation;
- Constant speed, torque can be automatically adjusted according to the change of sample viscosity;
- Automatically memorize the set working parameters.



LCD Display



Speed/Timing Adjustable



Max Stirring H: 0-20L



Quick Liquid Stirring



Stirring Bar

Product Model	LCH-MSA-D	LCH-MSA-H	LCH-MSA-HD
Image			
Voltage (V)	AC100-240	AC110/220	
Frequency (Hz)	50-60		
Power (W)	50	950	
Display Mode	LCD	/	LCD
Max Stirring H <sub>2</sub> O Volume (L)	20		
Temperature Range (°C)	/	Working Plate: RT-350	Working Plate: RT-350 Liquid: RT-250
Speed Range (rpm)	50-2000		
Timing Range	0-99h59min	/	0-99h59min
Working Size (mm)	170×170		
Material of Working Plate	Cast aluminum + ceramic corrosion resistant coating		
Motor Type	DC Brushless Motor		

# LARGE CAPACITY MAGNETIC STIRRER

MSH series magnetic stirrer is characterized by small size, mixing fast, thorough, liquid vortex can be attached to the wall of the test liquid all mixed evenly, suitable for general test tube, centrifugal tube, liquid, funnel liquid mixing evenly, widely used in biochemistry, genetic engineering, medical and other experimental needs.



## PRODUCT FEATURES

- LCD screen display, adjustable speed, time and other parameters, intuitive and clear;
- Brushless DC motor, low noise, maintenance-free, stable operation;
- Automatic memory function for setting working parameters;
- Selection of strong magnetic high temperature resistant magnetic steel, ensure enough suction and torque, effectively prevent jumping, stirring effect is remarkable.
- Specially coated disk surface, anti slip, anti scratch, corrosion resistance.



LCD Display



Speed/Timing Adjustable




Quick Liquid Stirring



Stirring Bar



Max Stirring  
H<sub>2</sub>O 50L

Product Model	LCH-MSH-10L	LCH-MSH-20L	LCH-MSH-50L
Image			
Voltage (V)	AC100-240		
Frequency (Hz)	50-60		
Power (W)	30	45	60
Display Mode	LCD		
Maximum Stirring H <sub>2</sub> O Volume(L)	10	20	50
Speed Range (rpm)	50-1500	50-1200	50-1000
Timing Range	1-99h59min		
Working Size (mm)	205×215	275×265	390×390
Motor Type	DC Brushless Motor		
Standard magneton Size (mm)	φ10*60	φ10*70	φ10*80



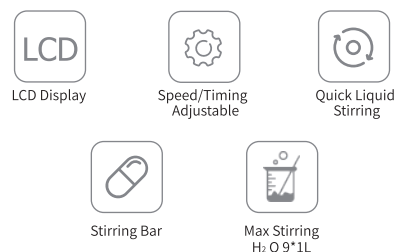
# MULTI POSITION MAGNETIC STIRRER



MSM series multi position magnetic stiner adopt international advanced design concept and manufacturing technology, with smooth and beautiful appearance, compact and firm structure, high universality, simple operation and other advantages. It is a rare instrument for scientific research and experiment. This magnetic stirrer is mainly applicable to laboratory instruments for liquid mixing, mainly used for stirring or heating and stirring low viscosity liquid or solid-liquid mixture. It is widely used as an experimental tool in colleges, environmental protection, sanitation, epidemic prevention, chemical t

## PRODUCT FEATURES

- High synchronization rate, speed error of each point<10rpm;
- LCD display, the display content is beautiful and clear, and the reading is accurate and intuitive;
- Specially made film coated disk surface, which is anti-skid, scratch resistant, corrosion resistant and easy to locate the motor;
- Push type knob, long press to start operation, sensitive response;
- The rubber foot has a stable structure to prevent the instrument from sliding and toppling.



Product Model	LCH-MSM-3D		LCH-MSM-6D		LCH-MSM-9D	
Image						
Voltage (V)	AC100-240					
Frequency (Hz)	50-60					
Power (W)	45		90		135	
Display Mode	LCD					
Max Stirring H <sub>2</sub> O Volume	3*1L		6*1L		9*1L	
Speed Range (rpm)	100-1500					
Timing Range (min)	1-999					
Motor Type	DC Brushless Motor					

# OVERHEAD STIRRER



OS series overhead stirrer is suitable for mixing and stirring low, medium and high viscosity liquids in the laboratory. The stirring machine adopts high-quality engineering plastic as the body, the operating is stable, the output uses variable speed increase mechanism, so that the output torque is multiplied.

## PRODUCT FEATURES

- The LCD screen displays the set speed and actual speed, which is intuitive and clear (LD items);
- DC permanent magnet motor, low noise, maintenance-free, stable operation;
- The overload will stop automatically to ensure safe operation;
- Stable start-up, effectively preventing sample overflow;
- Automatically memorize the final set working parameters, multi-segment programming control



Max Stirring  
H<sub>2</sub>O 40L



Speed Range:  
50-2000RPM



RS232  
Interface




Max Viscosity  
10000mPa·s



"Set"--Speed,  
Timing & Program  
Control Mode



Timing Range:  
1-99h59min

Product Model	LCH-OS-40N		LCH-OS-60N		LCH-OS-40N Pro		LCH-OS-60N Pro	
Image								
Voltage (V)	AC110-240							
Frequency (Hz)	50-60							
Power (W)	170		270		170		270	
Display Mode	LCD							
Display Content	Speed/Time/Direction of rotation				Speed/Time/Direction of rotation/Program control			
Max Stirring H <sub>2</sub> O Volume (L)	20		40		20		40	
Max Stirring Viscosity (mPa·s)	15000		50000		15000		50000	
Speed Range (rpm)	50-2000							
Timing Range (min)	/				1-99h59min			
Maximum Torque (N·cm)	60		80		60		80	
Motor Type	DC Brushless motor							

# OVERHEAD STIRRER

OES series overhead stirrer is suitable for mixing and stirring low, medium and high viscosity liquids in the laboratory. The stirring machine adopts high-quality engineering plastic as the body, the operating is stable, the output uses variable speed increase mechanism, so that the output torque is multiplied.



## PRODUCT FEATURES

- The LCD screen displays the set speed and actual speed, which is intuitive and clear (LD items);
- DC permanent magnet motor, low noise, maintenance-free, stable operation;
- The overload will stop automatically to ensure safe operation;
- Stable start-up, effectively preventing sample overflow;
- Automatically memorize the final set working parameters, multi-segment programming control



Max Stirring  
H: O 60L



Speed Range:  
100-2000RPM



"ON/OFF"--  
Power Switch





Max Viscosity  
30000mPa·s



"Set"--Speed,  
Timing & Program  
Control Mode



Timing Range:  
1-99h59min

Product Model	LCH-OES-20L	LCH-OES-40L	LCH-OES-60L	LCH-OES-20LD	LCH-OES-40LD	LCH-OES-60LD
Image						
Voltage (V)	AC100-240					
Frequency (Hz)	50 - 60					
Power (W)	72	120	200	72	120	200
Display Mode	LCD					
Max Stirring H <sub>2</sub> O Volume (L)	20	40	60	20	40	60
Max Stirring Viscosity (mPa·s)	10000	20000	30000	10000	20000	30000
Speed Range (rpm)	100-2000					
Timing Range	/			1-99h59min		
Max Torque (N·cm)	10	20	30	10	20	30
Motor type	DC Permanent Magnet Motor					

# CANTILEVER POSITIVE AND REVERSE ELECTRIC AGITATOR

OES cantilever electric agitator is suitable for mixing and stirring low, medium and high viscosity liquids in laboratory. The mixing host adopts high-quality engineering plastics as the body, and the operation state is stable; The output terminal is equipped with a variable speed force amplifier to double the output torque; The running speed can be set arbitrarily as required by the experiment, and the digital display of the intuitive mixing speed ensures data collection. It has built-in soft start, automatic overload protection, full process constant power compensation and other characteristics.

## PRODUCT FEATURES

- The LCD screen displays the set speed and actual speed, which is intuitive and clear;
- It can realize positive and reverse mixing, and it can be stopped and started slowly in the middle of positive and reverse rotation;
- DC brushless motor, low noise, maintenance free, stable operation;
- Constant speed, torque can be automatically adjusted according to the change of sample viscosity;
- Automatically memorize the set working parameters.



Max Stirring  
H<sub>2</sub>O 30L



Speed Range:  
50-1800RPM



"ON/OFF"--  
Power Switch



Max Viscosity  
50000mPa·s



Timing Range:  
1-99h59min

Product Model	LCH-OES-30LFR			
Image				
Voltage	AC100-240V DC24V10A			
Frequency (Hz)	50-60			
Power (W)	150			
Display Mode	LCD			
Max Stirring H <sub>2</sub> O Volume (L)	30			
Max Stirring Viscosity (mPa·s)	50000			
Speed Range (rpm)	50-1800			
Timing Range	1-99h59min			
Motor Type	DC Brushless Motor			
Stirring Paddle Specifications (mm)	45*6*250	30*6*250	50*8*250	70*8*250

# MINI VORTEX MIXER



MX series mini vortex mixer is characterized by its compact size and rapid and thorough mixing. The liquid is in a vortex shape and can mix all the test solutions attached to the tube wall. It is suitable for uniform mixing of liquid in general test tubes, centrifuge tubes, flasks, liquid separators, and funnels.

## PRODUCT FEATURES

- Small and compact appearance, easy to carry;
- Brushless DC motor, strong power and maintenance-free;
- Imported silicone vibrating head, strong toughness, sufficient flexibility and long service life;
- The sample can be swirled quickly within 5 seconds;
- Using flexible anti-vibration foot pads, metal base, and triangular structure, the instrument has good stability, low operating noise and no displacement during operation.



500-3500 RPM



4.5MM Orbital Diameter





Stable Design



50ML Capacity



Simple Operation

Product Model	LCH-MX-M1		LCH-MX-M2	
Image				
Voltage	AC100-240V DC12V1A			
Frequency (Hz)	50-60			
Power (W)	12			
Speed Range (rpm)	3500		500-3500	
Circumferential Diameter (mm)	4.5			
Max Throughput (ml)	50			
Max Diameter of Test Tube (mm)	35			
Press Vibration	Inching		Inching+Speed Regulation	
Motor Type	DC Brushless Motor			



# MULTIMODULE VORTEX MIXER

MX series multimodule vortex mixer is characterized by small size, mixing fast, thorough, liquid vortex can be attached to the wall of the test liquid all mixed evenly, suitable for general test tube, centrifugal tube, liquid, funnel liquid mixing evenly, widely used in biochemistry, genetic engineering, medical and other experimental needs.



## PRODUCT FEATURES

- LCD large screen display speed and time, easy to set read;
- Suitable for short time (point) or long time continuous work;
- Dc brushless motor, long life, strong power, maintenance-free special vibration head, strong toughness, elastic enough, long service life;
- Wide speed range, maximum speed 3000rpm, stepless speed regulation;
- The use of high quality pads, good stability of the instrument, low noise operation.



LCD Display



Stable Design



DC Brushless Motor



Touch/Continuous Mode



Stable Anti Slip Foot Pad

Product Model	LCH-MX-F		LCH-MX-S		LCH-MX-D
Image					
Voltage	DC14.5V2A				
Frequency (Hz)	50-60				
Power (W)	20				
Display Mode	/		Scale	LCD	
Speed Range (rpm)	3000		200-3000	100-3000	
Timing Range	/		/	0-59s/1-99min	
Circumferential Diameter (mm)	4.5				
Standard Head Diameter (mm)	25				
Press Vibration	Continuous Operation/Inching				
Motor Type	DC Brushless Motor				
Optional Modules	Φ13mm*8	Φ17mm*8	Φ9mm*16	Φ7.5mm*15	Φ4mm*48
					

# MULTI TUBE VORTEX MIXER



MX series multi tube vortex mixer adopts DC brushless motor and microcomputer control technology. The unique knob operation mode is simple and easy to use. By replacing different test tube fixing sponges, various commonly used test tubes can be mixed and cultured. Up to 50 samples can be mixed at a time. It is applicable to biotechnology, microbiology, medical analysis and other fields.

## PRODUCT FEATURES

- LCD display, adjustable speed and time, intuitive and clear;
- Eccentric bearing design, circumferential mixing, even and fast mixing;
- Pulse intermittent mode operation, suitable for applications requiring high accuracy and repeatability;
- A variety of vibration module adapters are available, which are applicable to containers of various specifications;
- DC brushless motor, stable at low speed, strong at high speed.



Speed Range:  
500-3000RPM



"Set"--Speed,  
Timing



"ON/OFF"--  
Power Switch



Multi Module  
Replaceable



Timing Range:  
1-99h59min

Product Model	LCH-MX-MTD					
Image						
Voltage (V)	AC100-240					
Frequency (Hz)	50-60					
Power (W)	70					
Display Mode	LCD					
Speed Range (rpm)	500-3000					
Timing Range	1-99h59min					
Maximum Loading (kg)	4.5					
Motor Type	DC Brushless Motor					
Standard Modules	Φ8MM*50	Φ12MM*50	Φ15MM*50	Φ20MM*50	Φ25MM*15	Φ29MM*15

# MINI CENTRIFUGE

MCF series mini centrifuge equipped with a variety of centrifuge rotors and a variety of test tube sets. With flip open function, automatically stop when the cover is opened. It can be used for serum extraction from whole blood, various sample extraction, rapid sample sedimentation, separation of trace blood cells, microbial sample processing, PCR experiment zone centrifugation, etc.



## PRODUCT FEATURES

- Touch button, waterproof and durable;
- The use of high-strength transparent cover is convenient for real-time observation;
- Standard replaceable PCR board and angle rotor;
- It has the functions of emergency stop when opening the lid and reversing when the lid is closed;
- The DC permanent magnet motor is durable, low-noise, stable, safe and reliable.



10000 RPM  
Maximum





Non-slip  
Foot Pads



Cover Opening  
Auto-shutdown



5600xg RCF  
Maximum

Product Model	LCH-MCF-0508	LCH-MCF-0808	LCH-MCF-1008	LCH-MCF-1008D
Image	<div></div>			
Voltage	AC100-240V DC24V2A			
Frequency (Hz)	50-60			
Power (W)	36			
Speed (rpm)	5000	8000	10000	1000-10000
Timing Range	/	/	/	1-1h59min
Max RCF (xg)	1350	2800	5600	
Motor Type	DC Permanent Magnet Motor			
Standard Rotors	8×2.0ml/1.5ml/0.5ml/0.2ml 2×8×0.2ml PCR Centrifuge Tube			

# BENCHTOP LOW SPEED CENTRIFUGE

LCF series centrifuges use centrifugal force to separate liquid and solid particles or components in liquid and liquid mixtures. Separate the solid particles from the liquid in the suspension; Separate two liquids of different densities from each other in an emulsion.



## PRODUCT FEATURES

- ABS high strength shell, surface frosted, not easy to age, beautiful and light, and in line with ergonomics;
- LCD liquid crystal display, adjustable speed, time and other parameters, functional partition display, beautiful and clear ;
- DC brushless motor, low noise, maintenance free, high-speed bearing, stable operation;
- Multiple time settings, precise control, high work efficiency, multi-functional encoder adjustment, and barrier free function setting;
- With program preset function, it can save 5 different running programs ;



100-5000RPM  
Speed



8\*15ml/8\*12ml  
/8\*10ml





10s~99min  
59s



LCD Display



Simple operation

Product Model	LCH-LCF-05		LCH-LCF-05D			
Image						
Voltage (V)	AC100-240					
Frequency (Hz)	50-60					
Power (W)	150					
Display Mode	LED		LCD			
Speed Range (rpm)	100-5000					
Timing Range	10s~99min59s					
Max RCF (xg)	2795					
Motor Type	DC Brushless motor					

# COLOR SCREEN ROTARY VISCOMETER



DV series color screen rotary viscometer adopts more advanced mechanical design technology, manufacturing technology and microcomputer control technology, with correct data acquisition, and high-resolution TFT display screen, which can display data clearly and have more comprehensive functions.

## PRODUCT FEATURES

- With more advanced mechanical design technology, high stability movement, manufacturing process and microcomputer control technology, data acquisition is accurate;
- The appearance is made of full aluminum housing, and the display is made of high-resolution TFT display screen. The data display is clear, the functions are more comprehensive, and the appearance is more beautiful;
- The interior is equipped with a synchronous damping system, which makes the experiment more shock absorption and quieter;
- Equipped with RS232 interface and Bluetooth printing function, it can be connected to the printer for output and use to meet the needs of the public;
- Stable speed, high sensitivity, clear display and wider measurement range.



LCD Display



Speed/Timing Adjustable



Max Measure Range  
320-3.2 × 10<sup>8</sup>

Product Model	LCH-DV-LV		LCH-DV-RV		LCH-DV-HA		LCH-DV-HB	
Image								
Voltage (V)	AC110-240							
Frequency (Hz)	50-60							
Display Mode	TFT color LCD display							
Measure Range (mPa·s)	6-6×10^6		40-4×10^7		80-8×10^7		320-3.2×10^8	
Temperature Measure Range (°C)	0-60							
Rotor Speed	0.1-200rpm							
	Stepless speed change/Fixed speed change							
Standard Rotors	No.1~4 rotor		No.R2-R7 rotor					
	Optional No.0 rotor and small sample rotor							



# OIL-FREE VACUUM PUMP



VP series oil-free vacuum pump can operate continuously without oil, with low noise, high efficiency and long service life. It is suitable for gas treatment in chemical, pharmaceutical, petrochemical and other industries, such as vacuum distillation, vacuum concentration, solid phase extraction, etc.



Oil-free



Security And  
Stability





<60db



Max Flow  
60L/min

## PRODUCT FEATURES

- The rubber sole is adopted to reduce the vibration during the operation of the instrument and support the smooth operation of the instrument;
- Light weight, easy to move, save laboratory space, convenient repair and maintenance;
- The body surface is equipped with a porous heat sink, heat dissipation effect is good, effectively improve the service life;
- The shell uses aluminum alloy, using electrostatic spray processing technology, durable, aging resistance, corrosion resistance;
- The body is equipped with automatic cooling and exhaust system, which can ensure the long time operation of the instrument.

Product Model	LCH-VP-85		LCH-VP-90		LCH-VP-85D		LCH-VP-90D	
Image								
Voltage (V)	AC110/220							
Frequency (Hz)	50-60							
Power (W)	165		245		165		245	
Display Mode	Pressure gauge							
Speed range (rpm)	≥ 1360							
Max vacuum degree (MPa)	-0.085		-0.09		-0.085		-0.09	
Minimum pressure gauge (MPa)	Negative pressure gauge: -0.002				Negative pressure gauge: -0.002 Positive pressure gauge: 0.02			
Positive pressure (psi)	/		/		20.3 (0.14MPa)		26.8 (0.185Mpa)	
Flow (L/min)	30		60		30		60	
Number of pump heads	1				2			

# CIRCULATING WATER VACUUM PUMP

VWP series vacuum pump designed with circulating water as the working fluid and the principle of negative pressure generated by jet. It can provide vacuum conditions for chemical laboratories and provide circulating cooling water for reaction devices. It is widely used in evaporation, distillation, crystallization, decompression, sublimation and other operations, and is the ideal equipment for laboratories in colleges and universities, medicine and chemical industry, food processing and other fields.



## PRODUCT FEATURES

- Multi meter multi tap design, can be used alone or in parallel;
- The turbine culvert structure ensures the maximum flow and the fastest passage;
- The core motor part is a high-strength anti-corrosion motor shaft core, which will not rust during long-term operation;
- All copper coil AC motor, with cooling fan at the tail, has excellent heat dissipation performance and can work continuously;
- A check valve is installed on the air extraction pipeline to prevent accidental shutdown during vacuum operation.



Max Volume  
9L




Pumping Volume  
10L/min



Max Vacuum  
0.098mPa · s



Circulating  
Water Function

Product Model	LCH-WVP-60A	LCH-WVP-60T	LCH-WVP-90S
Image			
Voltage (V)	AC100-240		
Frequency (Hz)	50-60		
Power (W)	180		
Display Mode	Pressure gage*2		
Max Vacuum (mPa · s)	0.098		
Pumping Volume (L/min)	10		
Flow (L/min)	60		90
Maximun Capacity (L)	9		
Lift (m)	8		

# OIL FREE DIAPHRAGM VACUUM PUMP

GMP series the oil-free diaphragm vacuum pump is widely used in filtration, sample concentration, solid-phase extraction and other devices. It is an important basic equipment in the laboratory. The single-stage or double-stage pump guides the air flow through the pump head through the reciprocating movement of the rubber diaphragm to form a vacuum state. The oil-free diaphragm vacuum pump provides a completely clean vacuum environment, the pump body does not need maintenance, and will not produce any pollutants.



Pressure Gage



Maximum Vacuum  
0.085mPa·s




Pumping  
Speed 15L/min



Pump Head  
\*2

## PRODUCT FEATURES

- The cold-rolled steel shell is used, and the surface is treated by electrostatic spraying;
- DC motor, quiet, longer service life;
- No working medium (no oil), no pollution, providing a clean vacuum environment;
- Non friction membrane motion is adopted, which does not generate heat, has no friction loss, and extends the working life;
- It is small in size, light in weight, easy to move, saves laboratory space, and is convenient for repair and maintenance.

Product Model	LCH-GMP-15
Image	
Voltage	AC100-240 DC24V3A
Frequency (Hz)	50-60
Power (W)	35
Display Mode	Pressure gage
Max Vacuum (mPa)	0.085
Positive Pressure (mPa)	0.2
Pumping Speed (L/min)	15
Pump Heads	2

# THERMOSTATIC WATER BATH

WB series thermostatic water bath adopts LCD and PID temperature control mode, with fast temperature rise and accurate temperature control. This series of thermostatic water bath pot has the function of preventing dry burning, which can avoid damage to the inner tank and heating pipe of the water bath pot caused by dry burning. Built in drainage pipe for easy drainage.



## PRODUCT FEATURES

- The instrument adopts LCD display with clear and beautiful display contents, accurate and reliable, PID temperature control technology, fast temperature rise and accurate temperature control;
- The inner tank is made of high-quality stainless steel and stamped at one time. It is high-temperature resistant, well sealed and durable;
- High quality temperature sensor is adopted, with accurate temperature measurement and long service life;
- With magnetic stirring function, it can accelerate the uniform water temperature;
- Standard timing and anti dry burning function, safe and reliable.



Product Model	LCH-WB-2		LCH-WB-4		LCH-WB-6	
Image						
Voltage (V)	AC110/220					
Frequency (Hz)	50-60					
Power (W)	600		1000		1500	
Display Mode	LCD					
Temperature Range (°C)	RT-100					
Timing Range	1-99h59min59s					
Pipe Weep	/		YES			

# HEAT COLLECTING MAGNETIC STIRRER



OB series heat collecting magnetic stirrer uses heat-gathering method, the heated liquid is involved in evenstrong heat radiation. The heat collecting pot is made of high quality stainless steel and is combined with special heating tube and high temperature seal. the stirring speed is stable and reliable. Both water (water bath) and oil (oil bath) can be added, and the heating degree has small fluctuations. The reactants may be subjected to heat averaging.

## PRODUCT FEATURES

- PID temperature control technology, LED digital tube displays the set temperature and current temperature, and the content is clear and intuitive;
- DC motor, stepless speed regulation, low noise, stable operation, long service life;
- Adopt the collector heating method, with fast heating speed, uniform temperature and high efficiency;
- Strong magnetic magnet is selected to ensure sufficient suction, and the mixing effect is remarkable with the agitator;
- The pot body is stamped with thickened 304 stainless steel, which is high-temperature resistant, corrosion-resistant and durable in structure.



Max Stirring  
H<sub>2</sub>O 5L



Speed Range:  
0-2800RPM



"ON/OFF"--  
Power Switch



LED Display



"Set"--Speed,  
Timing & Program  
Control Mode



Timing Range:  
0-9999min/0-9999h

Product Model	LCH-OB-3L		LCH-OB-5L	
Image				
Voltage (V)	AC110/220			
Frequency (Hz)	50-60			
Power (W)	600		1000	
Display Mode	LED			
Max Stirring Volume (L)	3		5	
Temperature Range (°C)	RT-300			
Speed Range (rpm)	0-2800			
Timing Range	0-9999min/0-9999h			
Motor Type	DC Permanent Magnet Motor			



# STAINLESS STEEL HEATING PLATE



DB series stainless steel heating plate is stamped from high-quality cold-rolled steel plate, and the surface is sprayed, which greatly improves the heating speed and temperature uniformity.

## PRODUCT FEATURES

- PID temperature control technology, LCD liquid crystal display shows the set temperature and current temperature, which is clear and intuitive, and has functions such as timing, over-temperature alarm, automatic error correction, and power-off memory;
- Timing function can be selected (no timing function, timing when power on, constant temperature timing);
- The instrument has its own self-tuning function, that is, self-tuning or adaptive control of the electric heating plate temperature control system, reducing temperature overshoot, stabilization time, and better control of temperature accuracy;
- The board surface is made of high-quality 201 stainless steel plate, which is corrosion-resistant, wear-resistant, high-hardness, and has no warping deformation under high temperature.



LCD Display



Over-temperature  
Alarm



Temperature  
Control



High Quality  
Stainless Steel



Simple  
Operation

Product Model	LCH-DB-XAB	LCH-DB-1AB	LCH-DB-2AB	LCH-DB-3AB
Image				
Voltage (V)	AC220V			
Frequency (Hz)	50-60			
Power (KW)	1.5	1.8	2.5	3.6
Display Mode	LCD			
Working Size (mm)	300*200	400*280	450*350	600*400
Temperature Control Range (°C)	RT-420			
Temperature Control Accuracy (°C)	±1			
Material of Working Plate	201 Stainless steel			
Maximum Loading (kg)	50			
Thickness Of Plate (mm)	8			

# GRAPHITE HEATING PLATE



DB-EFS series graphite heating plate is an instrument used for heating, evaporation, drying and other work in the laboratory. It is widely used in heating, drying and other temperature tests of articles in chemical analysis, pharmaceutical research, biological product preparation, food processing and other fields.

## PRODUCT FEATURES

- PID temperature control technology, LCD liquid crystal display shows the set temperature and current temperature, which is clear and intuitive, and has functions such as timing, over-temperature alarm, automatic error correction, and power-off memory;
- Timing function can be selected (no timing function, timing when power on, constant temperature timing);
- The instrument has its own self-tuning function, that is, self-tuning or adaptive control of the electric heating plate temperature control system, reducing temperature overshoot, stabilization time, and better control of temperature accuracy;
- The board surface is made of isostatic graphite, which is more resistant to acid, alkali and corrosion, no warping and deformation at high temperature, long service life, faster heating rate, and more uniform surface temperature.



LCD Display



Over-temperature Alarm



Temperature Control



High Quality Stainless Steel




Simple Operation

Product Model	LCH-DB-XEFS	LCH-DB-1EFS	LCH-DB-2EFS	LCH-DB-3EFS
Image				
Voltage (V)	AC220			
Frequency (Hz)	50-60			
Power (KW)	2	3	3.5	5.5
Display Mode	LCD			
Working Size (mm)	300*200	400*280	450*350	600*400
Temperature Control Range (°C)	RT-450			
Temperature Control Accuracy (°C)	±1			
Material of Working Plate	Graphite			
Maximum Loading (kg)	10			
Thickness Of Plate (mm)	12			

# BLAST DRYING OVEN

DHG series blast drying oven is designed by combining the highest precision, safety and best operating comfort. It is specially used for drying, baking and melting wax, and dry heat sterilization in laboratories of chemical enterprises and scientific research institutes.




Product Model	LAS-DHG-20	LAS-DHG-45	LAS-DHG-72	LAS-DHG-125	LAS-DHG-210
Image					
Voltage (V)	AC100-240				
Frequency (Hz)	50 - 60				
Power (W)	600	1000	1500	2000	3000
Display Mode	LCD				



# VACUUM DRYING OVEN

VD series vacuum drying ovens are designed for drying heat-sensitive, easily decomposed and easily oxidized substances through perfect heat conduction. When working, it can maintain a certain degree of vacuum in the working room, and can fill the interior with inert gas, and can also quickly dry items with complex components.

Product Model	LAS-VD-25	LAS-VD-50	LAS-VD-90	LAS-VD-215
	LAS-VD-25B	LAS-VD-50B	LAS-VD-90B	LAS-VD-215B
Image				
Voltage (V)	AC100-240			
Frequency (Hz)	50 - 60			
Power (W)	600	1400	2000	3000
Display Mode	LCD			



THE CHOICE OF  
**NEW GENERATION  
LABORATORY**

---

E-mail: [info@lachoitech.com](mailto:info@lachoitech.com)

Tel: +86 0575-88050380

Mob.: +86 15970674916

Add: Room 508, Building B, No 2, Pujiang Rd., Yuecheng District, Shaoxing, Zhejiang, China.