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# Professional Manufacturer for Lab & Process



Beijing AUWII Science& Technology Co. Ltd.  
www.AUWII.com

Professional Manufacturer  
for Lab & Process



Contents

- Company Culture ----- 01
- Company Profile ----- 02
- Product Introduction ----- 03/38
- 
- Sample Pre-treatment Product & Solution ----- 03/14
  - Intelligent Graphite Digestion System
  - Graphite Digestor Special for Hair Samples
  - Intelligent Acid digester
  - Array Rotary Evaporator
- 
- Green Lab Solution & Consumable ----- 15/20
  - Solvent Recovery Unit
  - Solvent safety cap
  - Waste liquid collector
- 
- Chiller Series Product ----- 21/42
  - Trumii (T)--Benchtop Chiller
  - Herii (H)--High Stability Chiller
  - Champii (C)--Vertical Chiller
  - Solidii (S)--Horizontal Chillers
  - Royalii (RG)--Split Type chiller
  - Kingii (K)--Industry Small chiller
  - KingDii (KD)--Double Temp chiller
  - KingPii (KP)--Pure water Chiller
  - Realmii (R)--Industry Large chiller
  - Leadii (L)--water-cooling chiller
  - Macrii (MC)--Special for Electric Vehicle Test Temperature Control System
- 
- Air source Series Product ----- 43/44
  - Abilii (AA)Oil-less air compressor
  - DP100 Electronic Dryer



# Corporate Culture.

## Company Mission

To help human explore the world.

## Company Vission

Auwii's product can service for every lab.

Every practitioner owns the opportunity of success.

## Company Value

Forge ahead with determination.

Move after forethoughtful.

Action with persistence.

Make perfection more perfect.



## Company Profile

Beijing Auwii Instruments Co., Ltd. (AUWII®) gathered a group of scientific and technical researchers, focuses on research, development and sales of analytical and environmental protection related products. Committed to provide laboratory analyst with much reliable, more convenient , faster analysis instruments and auxiliary products.

AUWII® analysis and sample processing instruments mainly includes products such as Array Rotary Evaporators, Solvent Recovery Unit, Graphite digester, Acid Evaporator, and series solutions for inhibiting the volatilization of harmful gases. The laboratory's supporting products mainly include: Chillers, High and Low Temperature Circulation Devices, New Energy (EV) Temperature Control System, Oil-less Air Sources, Low Dew Point Air Source, Nitrogen Generator and others.

All Auwii products are independently R&D, produced and sold directly which can maximize the value of equipment for customers. A high proportion of research and development costs are invested to keep up with national high-tech enterprise standard, closely follow the latest version of the ISO9001 quality management system, and maintain strict and efficient R & D, production and management processes. With tens of thousands of products in operation for more than ten years, we have served more than 10,000 factories and laboratories in more than 40 countries and regions around the world.

# Product Introduction

## Intelligent Graphite Digestion System

Graphite Digestion System adopts innovative technology, under the principle of practicability, durability and humanize, strengths of rapid heating, intelligent work, highly efficiency, it can be widely used on Food, Medicine, Agriculture, Forestry, Environmental protection, CDC, Chemical and other industries, besides that, it can also applied on Scientific Research Departments for Soil, Feed, Plants, Seeds, Ore Digestion process, Biological Tissue Samples etc.

### Functions & Features :



#### Multiple protection—Anti-corrosion & Durable

- Pyroceram top panel, not only easily clean but also anti-corrosion.
- Special high temperature anti-corrosive coating on the suface of graphite, effectively prevents strong acid erosion.
- Stainless steel instrument shell with surface sprays anti-corrosive coating, outstanding corrosion-resistant performance.
- Electrical system is separated individually, which can protect electrical components from acid gas corrosion.
- Adopt wireless control, to avoid corroding on traditional wire control port.



#### Wireless control——Safe & Easy to operate

- Graphite Digestion System can be not only operated independently but also controlled by wireless.
- Temperature curve can be observe on cellphone displays during digestion process.
- Compile and set up the digestion temperature and duration.
- Start and stop the digestion operation by cellphone.
- Build-in expert procedures which can be invoked at any time, modify and save any procedures.
- Buzzing alarms at the end of the procedures.



#### Automatically lift and down ——Protect the samples

##### Sample automatically lifted and dissipates heat

The sample rack automatically rises and dissipate the heat of samples once heating procedure finish, so that the samples will not be destroyed by the residual heat due to experimenter's ignored.

##### The sample is hovering near dry

When the digestion is nearly complete and the sample remains little, the sample tube can be lifted to an appropriate position so it can be easily observed till to sample is nearly dry, avoiding sample destruction.

##### Observe the sample out from window

Sample status need to be observed during the digestion process. The sample rack can be lifted by wire control switch or app software, and users can observe the samples through the fume hood glass.



#### Homogeneous Heating

- Graphite Digestion System adopts unique carbon fiber homogeneous heater,
- heating the samples by isostatic pressing graphite body.
- Temperature rising faster and distribute evenly between graphite holes. Service life is longer.

Profile	RB Series				AB Series			
Model	RB1-2430	RB1-1542	RB2-3630	RB2-2542	AB1-2430	AB1-1542	AB2-3630	AB2-2542
Digestion Capacity	24	15	36	25	24	15	36	25
Digestion Tube	Φ31×50mm	Φ43×50mm	Φ31×50mm	Φ43×50mm	Φ31×50mm	Φ43×50mm	Φ31×50mm	Φ43×50mm
Digestion Shelf Type	Integral type							
Temperature Range	Ambient temperature ~ 240 ° C							
Temperature Accuracy	± 0.2℃ (@150℃时)							
Temperature Difference in holes	± 1℃ (@200℃时)							
Key Type	Pyroceram surface anti-corrosive capacitor touching plate							
Digestive Tube up and down automatically (optional)	<NO>				<YES>			
Wireless control (optional)	Available remotely controlled by Mobile Terminal due to the APP of Android system							
External temperature sensor (optional)	Monitor the temperature of digested samples currently.							
	AC220V/50Hz ± 10%							
Rated Power	1700 W		2900 W		1700 W		2900 W	
Dimensions (L×W×H) mm	460 x 520 x 210		560 x 520 x 210		460 x 580 x 210		560 x 580 x 210	



## ○ Graphite Digestor Special for Hair Samples

The micro element in human hair is significance to clinical diagnosis, it can reflect the health of the human body directly. Graphite Digestor Special for Hair Samples can digest and evaporate acid up to 60 samples simultaneously, improving the efficiency greatly, special digestion tube can be weighed for 0.05grams hair sample, which makes the process simply and easily

### Functions & Features :

#### Multiple protection---Anti-corrosion and durable

- Special high temperature anti-corrosive coating on the surface of graphite, effectively prevents strong acid erosion.
- Stainless steel instrument shell with surface sprays anti-corrosive coating, outstanding corrosion-resistant performance.
- Electrical system is separated individually, which can protect electrical components from acid gas corrosion.



#### Special digestion tub - direct weighing



- Dedicated digestion tube with material high-borosilicate which weight less than 27grams, can be weighed directly for hair sample, greatly simplify the operation process, samples are easy to transfer and metered with spout tube.

#### Automatically rise and drop ——Protect the samples

- After the instrument completes the heating procedure, the sample rack automatically rises and dissipate the heat of samples, so that the samples will not be destroyed by the residual heat.
- During digestion process, samples can be lifted by press “UP”and “DOWN”button to observe the digestion process.

Model	Hair60	Hair60A
Digestion Capacity	60 holes	
Digestion Tube	Φ31 × 40mm	
Digestion Rack Type	Integrally digestion tube rack	
Temperature Range	Room temperature ~ 240 ° C	
Temperature Accuracy	± 0.2℃ (@150℃时)	
Temperature Difference in holes	± 1℃ (@100℃时)	
Key Type	Anti-corrosive capacitor touching plate	
Digestive tube lifted automatically	NO	YES
Power supply	AC220V/50Hz ± 10%	
Rate Power	3200W ( AC220V50Hz )	
Dimensions (L x W x H) mm	505 × 760 × 220	

## ○ Intelligent Acid digester——The ideal Partner of Microwave digestion

The MB series Intelligent Acid digester Processor is the best partner for microwave digestion. The digestion tubes can be put into the processor directly for acid evaporation. The isostatic pressure graphite heater ensure the uniform temperature in the holes and consistency of digestion. Multiple corrosion resistant design can protect the graphite and electronic elements from acid corrosion.The MB series digester can be operated not only by manual but also by Mobile APP, Safe and convenient.

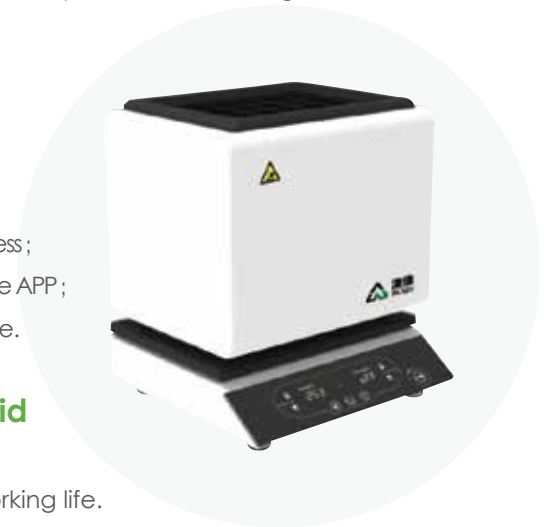
### Functions & Features :

#### Multiple protection——Anti-corrosion and durable

- Special high temperature anti-corrosive coating on the surface of graphite, effectively prevents strong acid erosion ;
- Excellent acid corrosion-resistant capacitive touch control,outstanding corrosion-resistant performance ;
- Electrical system is separated individually, which can protect electrical components from acid gas corrosion.

#### Wireless control——Safe & Easy to operate

- Built-in wifi communication module , device can be controlled and operated by mobile phone ;
- Temperature curve can be observe on cellphone displays during digestion process ;
- Digestion temperature and acid evaporation time can be edit and set via mobile APP ;
- Build-in expert procedures which can be invoked at any time, easy to use.



#### Homogeneous Heating——synchronous evaporate acid

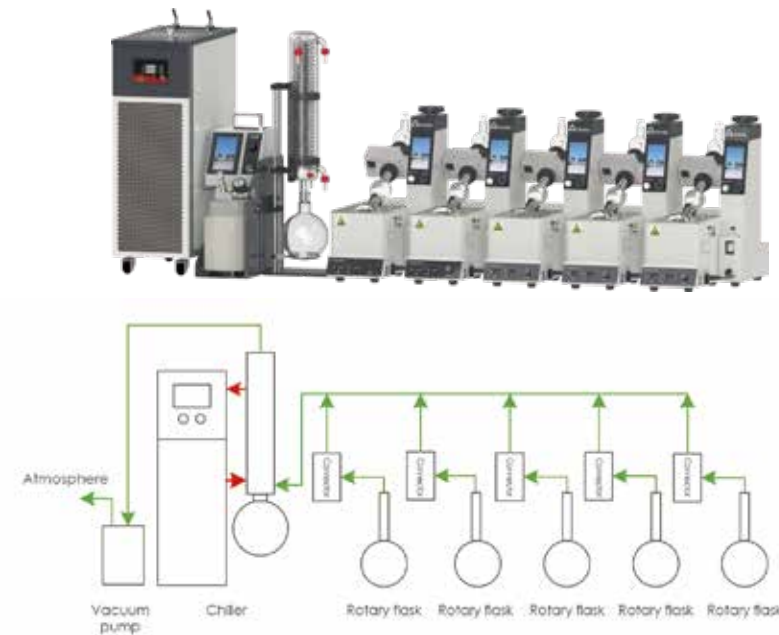
- The isostatic pressure graphite heater,uniform heating and longer working life.

Model	MB-510	MB-500	MB-400	MB-240	MB-160	MB-100	MB-P
Digestion Capacity	24	24	24	24	16	12	12
Hole specification	Diameter: 34mm Depth: 160mm	Diameter: 29mm Depth: 160mm	Diameter: 27.8mm Depth: 155mm	Diameter: 37.5mm Depth: 135mm	Diameter: 37.5mm Depth: 135mm	Diameter: 42.5mm Depth: 110mm	Diameter: 47.5mm Depth: 115mm
Hole specification	Room temperature-200℃						
Temperature accuracy	±0.5℃						
Temperature difference in holes	±1℃						
Key Type	Capacitive touch control						
Power Supply	AC220V 50Hz						
Rated Power	1500W						

## ○ Array Rotary Evaporator

Array rotary evaporator is an innovative pre-treatment device that can concentrate multi-sample at same time. It is composed of Multiple miniRotar unit, Vacuum System and Solvent Recovery unit, which can greatly save the space and improve the experiment efficiency.

The miniRotars can work simultaneously, or operate independently. Each can set it's own temperature, adjust speed, release vacuum etc., without interfering other rotary evaporator units.



Array rotary evaporator connect with chiller



Array rotary evaporator connect with solvent recovery unit

## Extreme mini — Saves Space

○ MiniRotar designs longitudinal rotating axis innovatively, reducing the product width to 25cm, which is one third of traditional rotary evaporator. 1.8m standard fume hood can put up to 5 miniRotars, fully save the fume hood space.

## Array Combination — Improves Efficiency

○ Special connector design can keep multiple units working in parallel, sharing one Vacuum system and one Recovery system. Highly recommended on processing multiple samples at the same time to improve work efficiency.

○ Each miniRotar can set it's own temperature, rotation speed and time, and can independently lift and lower the flask. MiniRotar 500s equips an independent quick release vacuum button, which can release the vacuum independently without interfering other rotary evaporator units.

## Timing of evaporation — Less Attention

○ MiniRotar500s can setting it's working time according to users experience. Once time is up, miniRotar500s will automatically stop rotating and release vacuum, lift the flask to part from water bath, and automatically stop sample evaporation and concentration.

## Double Protection — Avoid Contamination

○ MiniRotar is equipped with a backflow prevention connector, which can avoid contamination of samples and ensure the accuracy of analysis results.

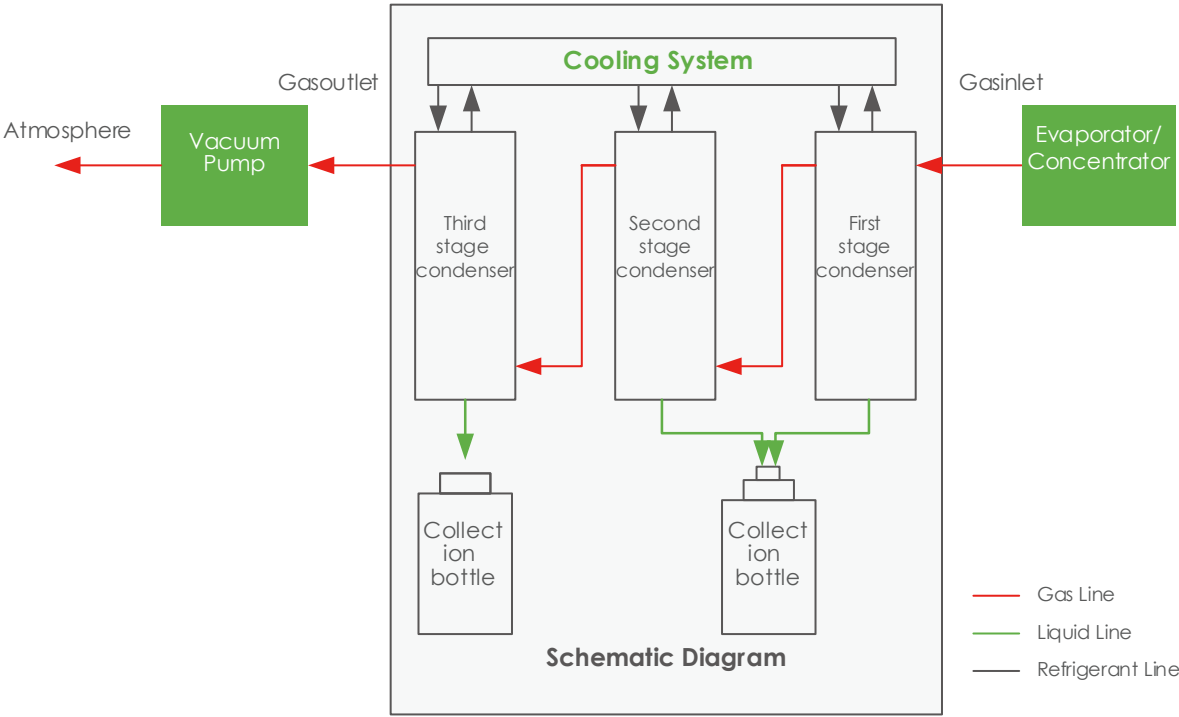


Three stages Condensation - Reduces Emissions

eSR series solvent recovery unit can support up to 6 miniRotar for condensing and recovery, it adopts low temperature refrigeration compressor, solvent vapor have been recovered after three stages condensing (recovery for methylene chloride is better than 98%), reduce vapor emissions,protect the laboratory environment.

eSR solvent recovery unit neither need cooling circulation liquid nor need external glass condenser, easily connect and simply operated.

eSR320s solvent recovery unit equips super corrosion resistance pipeline, can withstand high concentration of chlorine ion erosion.



○ Rotary Evaporator



Specification	miniRotar500	miniRotar500s
Temperature range	Room temperature to 95℃	Room temperature to 95℃
Control accuracy	±1℃	±1℃
Temperature setting and display	Quick setting of knob, digital display of target temperature and real-time temperature.	Quick setting of knob, digital display of target temperature and real-time temperature.
Dry burn protection	Automatic power off for dry firing	Automatic power off for dry firing
Heating mode	Concealed heating	Concealed heating
※ Direction of rotation axis	Longitudinal set	Longitudinal set
Rotation parameter setting	TFT4.3"touch LCD screen	TFT4.3"touch LCD screen
Rotary flask raise and drop mode	Manual and automatic dual mode	Manual and automatic dual mode
Timing function	N/A	Yes. (Time can be set within 0-999min. Once times up,the flask will stop rotating and automatically rise out of the bath. Meanwhile, the vacuum will be released and the sample will stop evaporating.)
Rotary flask	500mL	500mL
Flask interface specification	Standard 24/29 interface	Standard 24/29 interface
※ Rotation mode	Clockwise rotation	Clockwise, counterclockwise and clockwise rotate three modes alternately.
※ Vacuum release mode	Manual valve release vacuum	Quick button to release vacuum (when multiple groups are used in parallel, release the vacuum of one group of rotary evaporator, others works normally.)
Turn off the power	N/A	Yes.
Sample observation lamp	USB led lights	USB led lights
Extraction interface	φ10mm Pagoda-Shape Connector	φ10mm Pagoda-Shape Connector
Communication interface	N/A	RS485
Power supply	AC220V 50/60Hz	AC220V 50/60Hz
Input power	700W	700W
Overall dimensions	L (530mm) W (250mm) H (520mm)	L (530mm) W (250mm) H (520mm)

○ Vacuum Pump



Specification	eV35	eV35s
Vacuum pump type	High performance diaphragm vacuum pump.	Germany diaphragm vacuum pump
Diaphragm material	PTFE	PTFE
Pump head material	PTFE	PTFE
Ultimate vacuum	8mbar	8mbar
Maximum pumping speed	35L/min	34L/min
Gas connector	φ10mm Pagoda-Shape Connector	φ10mm Pagoda-Shape Connector
Vacuum gauge	Pointer vacuum gauge	Pointer vacuum gauge
Vacuum regulating valve	Precision hand - screwed vacuum control valve	Precision hand - screwed vacuum control valve
Vacuum adjustment range	-0.1-0Mpa	-0.1-0Mpa
Power supply	AC220V 50/60Hz	AC220V 50/60Hz
Input power	240W	245W
Maximum load	Up to 6 mini rotary evaporator units to connect	Up to 6 mini rotary evaporator units to connect
Overall dimensions	L (350mm) W (170mm) H (350mm)	L (350mm) W (170mm) H (350mm)

○ Vacuum Controller



Specification	eC35	eC35s
Vacuum control range	20-1050mbar	10-1050mbar
Vacuum setting accuracy	1mbar	1mbar
Vacuum control accuracy	5mbar	2mbar
Display	5-inch TFT touch screen	5-inch TFT touch screen
Vacuum sensor type	316 stainless steel	Al2O3 ceramics
Material of contact	316 stainless steel	PEEK、PTFE、Perfluoroether rubber、PFA
Vacuum pump power control	N/A	ON/OFF can be controlled of the vacuum pump
Communication interface	N/A	RS485
Gas connector	316ss φ10mm Pagoda-Shape Connector	PEEK φ10mm Pagoda-Shape Connector
Power supply	AC100-230V,50/60Hz	AC100-230V,50/60Hz
Overall dimensions	L (240mm) W (160mm) H (170mm)	L (240mm) W (160mm) H (170mm)

○ Solvent Recovery Unit



Specification	eSR220s	eSR320s
Condense stage	Two stages	Three stages
Lowest temperature	-20℃	-20℃
Collection bottles	One	Two
Collection bottle Volume	1000ml	3000ml
Condensing pipeline ring material	Special material (Resistance to chloride)	Special material (Resistance to chloride)
Inlet interface specification	PEEK φ10mm Pagoda-Shape Connector	PEEK φ13mm Pagoda-Shape Connector
Outlet interface specification	PEEK φ10mm Pagoda-Shape Connector	PEEK φ12mm Pagoda-Shape Connector
Power supply	AC220V 50Hz	AC220V 50Hz
Overall dimensions	L (510mm) W (240mm) H (682mm)	L (510mm) W (340mm) H (710mm)

○ Glass Condenser



Specification	GL1000
Material	High borosilicate glass
Extraction connector	φ10mm Pagoda-Shape Connector
Water connector	φ10mm Pagoda-Shape Connector
Collection bottle Volume	1000ml
Condensing tube surface area	0.2 m <sup>2</sup>
Fixed method	Glass condenser can be directly suspended on shelf side of V35, V35s vacuum pump. T series chiller is also equipped with mounting interface, which can directly suspend the glass condenser.
Material	High borosilicate glass
Extraction interface	φ10mm Pagoda-Shape Connector

○ Chiller



Specification	T4	T4a	T4β
Temperature Range	5-35℃	-10-35℃	-20-35℃
Temperature Stability	±0.1℃	±0.1℃	±0.1℃
Cooling Capacity	1600W @20℃	1500W @20℃	1200W @20℃
Reservoir Volume	8L	8L	8L
Overall dimensions	490×246×790	490×246×790	490×246×790

Specification	T3	T3a	T3β
Temperature Range	5-35℃	-10-35℃	-20-35℃
Temperature Stability	±0.1℃	±0.1℃	±0.1℃
Cooling Capacity	1200W @20℃	1000W @20℃	800W @20℃
Reservoir Volume	7L	7L	7L
Overall dimensions	460×210×660	460×210×660	460×210×660

Specification	T2	T2a	T2β
Temperature Range	5-35℃	-10-35℃	-20-35℃
Temperature Stability	±0.1℃	±0.1℃	±0.1℃
Cooling Capacity	700W @20℃	600W @20℃	500W @20℃
Reservoir Volume	5L	5L	5L
Overall dimensions	410×210×560	410×210×560	410×210×560

Specification	T1	T1a	—
Temperature Range	5-35℃	-10-35℃	—
Temperature Stability	±0.1℃	±0.1℃	—
Cooling Capacity	450W @20℃	300W @20℃	—
Reservoir Volume	3L	3L	—
Overall dimensions	350×176×550	350×176×550	—

Tips :

Both the solvent recovery unit and chiller can be used for the condensing and recovery of organic solvents of array rotary evaporator, GL1000 is needed to combined working with chiller while solvent recovery unit don't.



## Solvent Recovery Unit

Solvent Recovery Unit is an innovative product which used for steam condensation collection of organic solvents. It can be working combined with Sample pretreatment equipment such as Laboratory Parallel Evaporator/Concentration Meter, Rotary Evaporator, Vacuum Drying Oven, Vacuum Centrifugal Concentrator, Vacuum Suction Filter, Solid Phase Extractor, condense and recover the solvent steam ,meanwhile it can also be used for purifying the exhaust gases from vacuum pump, to reduce the environmental pollution and take care of experimenter.



### Functions & Features :



#### Green & Environmental

Ethanol recovery rate>99%, dichloromethane recovery rate>98%.



#### Clean & Tidy

No risk of external glass broken, avoid the complex pipeline connection.



#### Anti-corrosion & Durable

PEEK, PTFE material and borosilicate glass. Resistant to hydrochloric acid and strong corrosive solvents.

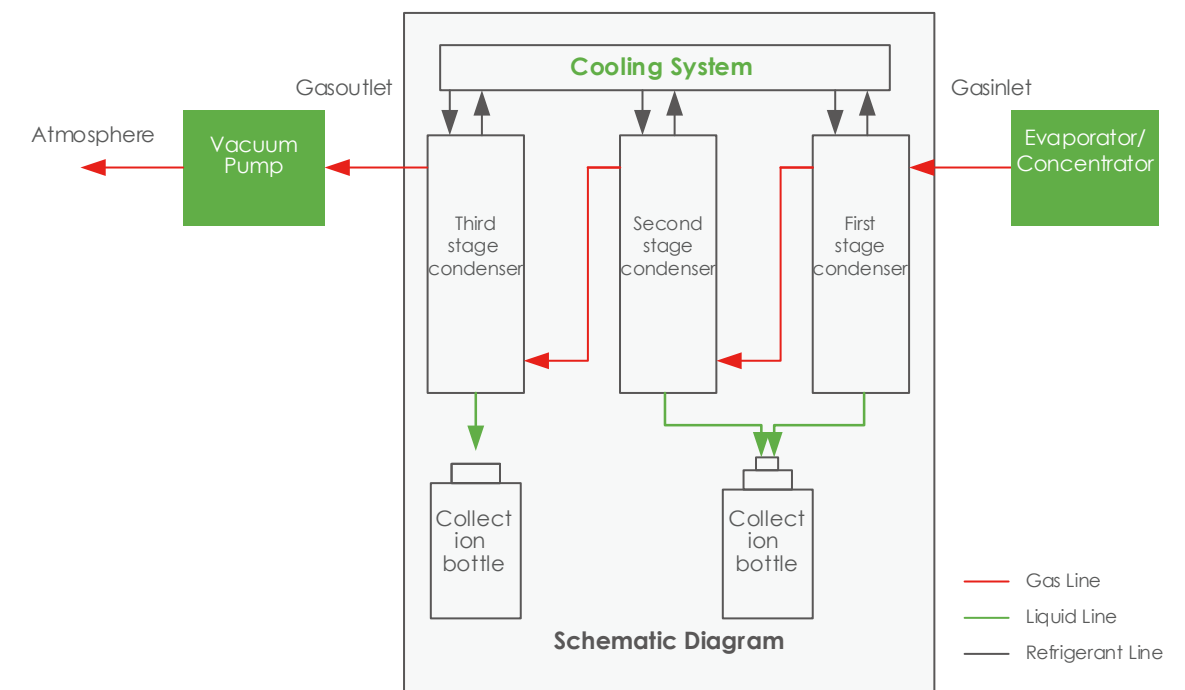


#### Easily & Facility

Easily connect and simply operated. Working status can be observed on 5-inch color LCD screen.

### Typical applications :

The solvent recovery instrument is connected between the evaporation and concentration equipment and the vacuum pump. The refrigeration system inside the equipment provides a low temperature environment to the condenser through the refrigerant. The organic solvent vapor enters the condenser and is condensed and liquefied. The liquid is collected by an external collection bottle. The solvent recovery instrument can also be connected to the exhaust port of the vacuum pump to condense and purify the organic solvent exhaust gas discharged by the vacuum pump.



Main Functional Parameters		eSR220s	eSR320s
Display Screen	5-inch color LCD touch screen	√	√
Condense Stage		Two stages	Three stages
Lowest Temperature	-20 °C	√	√
Automatic Defrosting	Second, third stage defrosting alternating automatically	√	√
No. Of Collection bottle		1	2
Collection bottle Volume		1000ml	3000ml
Capability of Anti-corrosive	Resistant to hydrochloric acid and strong corrosive solvents		
Refrigerant	R404A		
Rated Power	AC220V 50Hz 5A		
Power Requirement	500W		
Overall Dimension	Length 340mm,Width 510mm, Height 715mm		



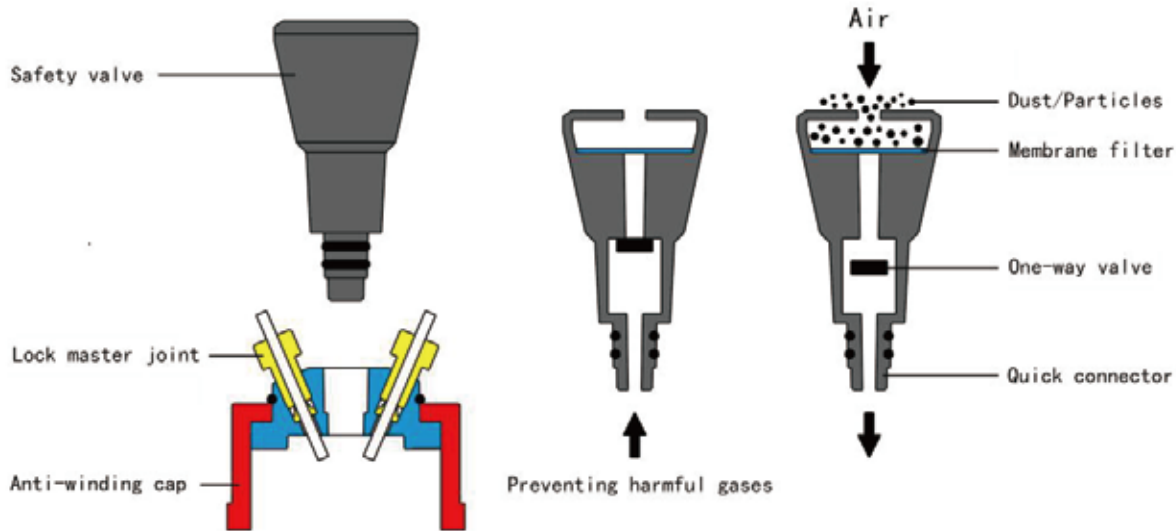
## Protect Laboratory Environment &Take care of Experimenters

### ——Series Solution for Green Laboratory

Volatilization of solvent and waste liquid is one of the main sources of laboratory air pollution and severely pollutes the air in laboratory. Auwii launched a series of green laboratory products to protect the laboratory environment. Take care of the health of the experimenter;

#### ○ Solvent safety cap

The SE series solvent safety caps efficiently filter dust in the air to prevent contamination of the solvent which used by Chromatographic and Solid Phase Extractor instrument and ensure the accuracy of the analysis results. When the instrument stops working, the mobile phase is prevented from volatilizing through the air inlet to protect the laboratory environment from pollution.



#### Microporous Membrane—— Efficient Filtration

○ SE series solvent safety cap built-in PTFE microporous membrane which can efficiently filter the air so that prevent dust from contaminating the solvent and ensure the accuracy of the analysis results;

#### Non-Return Seal—— Prevent Volatilization

○ SE series solvent safety cap adopt high-sensitivity non-return safety valve. Once chromatographic instrument stops working, the safety valve will close and seal so that the mobile phase is prevented from volatilizing through the air inlet to protect the laboratory environment and take care of experimenter.

#### Time Label —— Expire Reminder

○ Press time start button on the valve once start use, the time label will record the use time in the form of a red progress bar, remind the user replace the safety valve on schedule;

#### Plug Installation—— Easy to Replacement

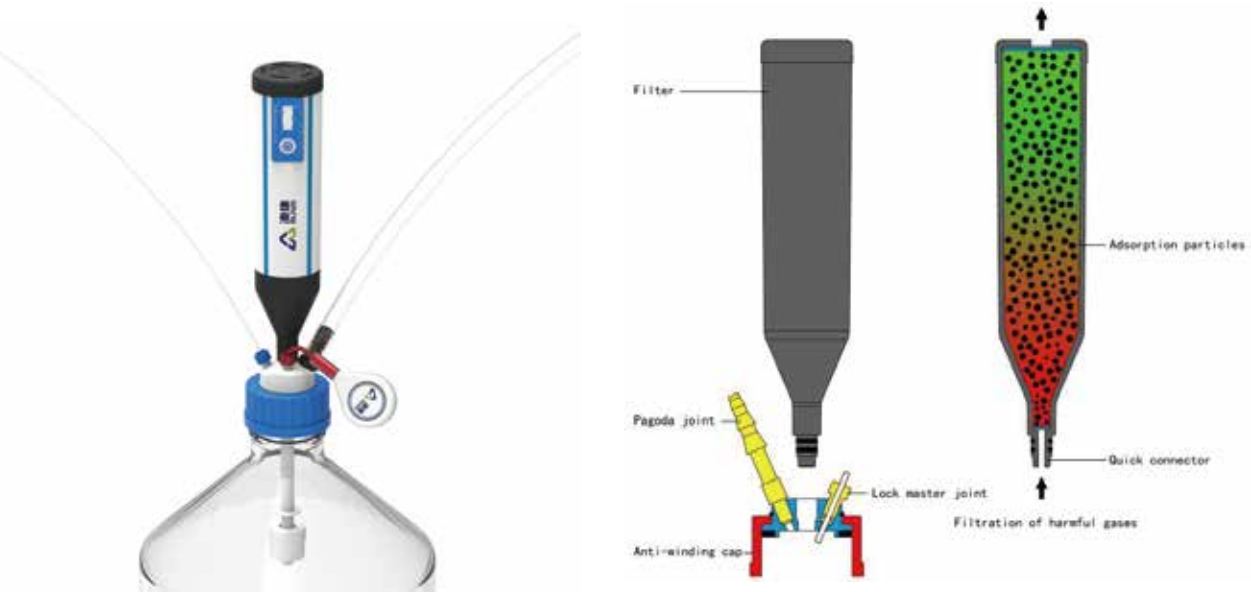
○ The safety valve on the SE series solvent safety cap is recommended to be replaced every 6 months. It adopts a quick plug installation design, which can be replaced easily by users;

Model	Profile	Bottle mouth spec
SE38		GL38 Standard bottle mouth
SE40		GL40 Standard bottle mouth
SE45		GL45 Standard bottle mouth

○ Waste liquid collector

Intubated waste liquid collector

The cannula-type Waste liquid collector is used to collect waste liquid discharged from laboratory equipment. The exhaust gas filter efficiently adsorbs harmful gases, protects the laboratory environment. Rechargeable liquid level alarm prevent liquid overflow. Various types of second vessels can prevent secondary pollution and compliance regulations.



Various Connectors — Easy to connect

○ Cannula-type waste liquid collector can connect with φ4-φ10mm inner diameter soft tube,or φ 1.6-φ3.2 outer diameter hard tube, or even customize according to customer requirements.

Efficient Filtration — Protect Environment

○ Different filter can be optioned on different type of waste liquid, to efficiently adsorb and filter the overflowing exhaust gas. Press time start button on the valve once start use, the time label will record the use time in the form of a red progress bar, remind the user replace the safety valve on schedule;

Level Detection — Prevent Overflow







○ PvdF material float level switch, anticorrosive and durable. liquid level alarm, can be used for 6 months on one charge.

Second Vessels — Compliance Regulations

○ Various types of second vessels can prevent the spillage and leakage caused by the dumping and damage during the collection, storage, and transfer of hazardous chemical waste liquid, avoiding secondary pollution.

Customization — Professional Services

○ Professional customize according to customer needs.

Model	Profile	Vessel Capacity	Vessel Material	Level Alarm
PGL38-4LT		4L	brown glass	YES
PGL40-4LT		4L	brown glass	YES
PGL45-5LT		5L	brown glass	YES
PGL45-10LT		10L	brown glass	YES
PPP83B-10LT		10L	Polypropylene(PP)	YES
PPE48-20LT		20L	High strength polyethylene (HDPE)	YES

Funnel type waste liquid collector

The funnel-type waste liquid collector is used for waste liquid collection during the experiment. The exhaust gas filter efficiently adsorbs harmful gases to protect the health of the experimenter. Rechargeable liquid level alarm can prevent liquid overflow. Various types of second vessels can prevent secondary pollution and compliance regulations.



Double Sealing —— Prevent Volatilization

- The large-volume funnel is made of HDPE and capacity up to 1 liter, easy to dumping. Special buckle design can easily lock the double seal to prevent liquid evaporation;

Efficient Filtration —— Protect Environment

- Different filter can be optioned on different type of waste liquid, to efficiently adsorb and filter the overflowing exhaust gas. Press time start button on the valve once start use, the time label will record the use time in the form of a red progress bar, remind the user replace the safety valve on schedule;

Level Detection —— Prevent Overflow





- Pvd material float level switch, anticorrosive and durable. liquid level alarm, can be used for 6 months on one charge.

Second Vessels —— Compliance Regulations

- Various types of second vessels can prevent the spillage and leakage caused by the dumping and damage during the collection, storage, and transfer of hazardous chemical waste liquid, avoiding secondary pollution.

Customization-Professional Services

Professional customize according to customer needs.

Model	Profile	Vessel Capacity	Vessel Material	Level Alarm
FPE48-20LT		20L	High strength polyethylene (HDPE)	YES
FPP83B-20LT		20L	High strength polyethylene (HDPE)	YES
FPE48-60LT		60L	High strength polyethylene (HDPE)	YES
DFPE48-20LT		20L	High strength polyethylene (HDPE)	YES



Trumii (T) Benchtop Chiller

— Special for small laboratory instruments



Product Introduction

Trumii (T) series chiller is a energy-saving and environment-friendly benchtop style water chiller which designed for supporting small equipment. It is developed on the principle of ergonomics, easy to operate and observe, some can also transform into a Heat/Cool Bath, versatile and multi-function; Small and delicate vertical shape, can be placed in the fume hood, on or under the table; Rear condenser, good heat dissipation, high refrigeration efficiency, energy saving and environmental protection. -20℃~35℃ temperature offers wide application, is an ideal choice for modern laboratory small instrument refrigeration.



Functions and Features

- ◎ Benchtop design, beautiful appearance, compact structure, space saving;
- ◎ Top coupling design which is easy to mount or dismount piping;
- ◎ Stainless steel water reservoir, prevent water pollution;
- ◎ PID intelligent temperature control mode, high temperature stability;
- ◎ Rear condenser, better heat discharge design, higher cooling efficiency;
- ◎ Perfect self-protection function, compressor delay protection, overload protection;
- ◎ Optional for variety alarm output, temperature alarm, flow alarm, liquid level alarm, etc.
- ◎ Customized for hanging bracket which can fix the evaporator, cooling pipe and other cooling parts on the side of the chiller, and combine them into one, safe and clean.

Typical Application

Trumii (T) series chiller is mainly used for supporting Coal Quality Analyzer, Calorimeter, Rotary Evaporator, Kjeldah Apparatus, Distillation Instrument, Electrophoresis Apparatus, Analytical Instruments and Sample Store-house Small Molecular Pump and other Small Laboratory Equipment, or cooling for Analyze instruments heating components.

Products Specifications

	Model	Cooling capacity W	Tempe- ature range ℃	Tempe- rature Stability ℃	Circula- -ting pressure Bar	Circula- -ting flow L/min	Water reservoir L	Size of commun- ication RC	Overall Dimension W×D×H mm
Water chiller ( T ) series	T1	400	5~35	±0.1	0.2~1.2	2~15	2	RC1/2	185×350×525
	T2	600	5~35	±0.1	0.2~1.2	2~15	3.6	RC1/2	210×400×550
	T2a	600	-10~30	±0.1	0.2~1.2	2~15	3.6	RC1/2	210×400×550
	T3	1200	5~35	±0.1	0.2~1.2	2~15	4.6	RC1/2	210×450×650
	T3β	1200	-20~30	±0.1	0.2~1.2	2~15	4.6	RC1/2	210×450×650

Herii (H) High Stability Chiller

— Special for laboratory analysis equipment

Product Introduction

Herii (H) series chiller is designed with high quality, complete configuration, perfect protection, warning system, particularly for high-end analytical instruments. By equipped with selective water purification devices, alarm protection of water flow, level and overheat. Herii (H) is able to provide communications between the serial interface of RS232/RS485 and matching equipment with plentiful communication instructions. They can also provide the standard parallel interfaces of WP7 and WP12 developed by AUWII which are able to control the on and off of chillers. What' s more, It is also possible to connect with chillers as per interface standard of customers' equipment .



Typical Application

Herii (H) series Chiller is mainly used for supporting the Atomic Absorption Spectrophotometer(AAS), Inductively Coupled Plasma Optical Emission Spectrometry(ICP-OES), Inductively coupled plasma mass spectrometry (ICP-MS) , Scanning Electron Microscopy, High Frequency Fusion Machine, Glove Box, Plasma Etching Machine, Spectrometer, Aemission Spec-trometer, Kjeldah Apparatus, Rotary Evaporator, Small reaction kettle and other laboratory laser laboratory instrument, etc.

Functions and Features

- ◎ Intelligent PID temperature control with high precision;
- ◎ Vertical appearance design with beautiful shape, compact volume and small area occupation;
- ◎ Automatic start-up can be set with software;
- ◎ Standard configuration for water level alarm system;
- ◎ Optimized for water flow alarm system;
- ◎ Adopted water circulating pump with low noise and high performance;
- ◎ Optimized for front filtering can easily observe the water pollution and replace the filter;
- ◎ Stainless steel water tank with large opening;
- ◎ Optimized for ion exchange resin and the conductivity detector;
- ◎ The heater and cryogenic refrigeration compressor can be selectively matched to assemble a high-low temperature circulator.

Products Specifications

Model	Cooling capacity W	Tempe-ature range ℃	Tempe-ature Stability ℃	Circula-ting pressure Bar	Circula-ting flow L/min	Quantity L	Size of commun-ication RC	Overall Dimension W×D×H mm
H0	700	5~35	±0.1	0.3~2.5	2~12	4	1/2	280×440×610
H1	1200	5~35	±0.1	0.3~2.5	3~15	8	1/2	330×506×710
H2	2200	5~35	±0.1	1.3~3.5	6~25	12	1/2	380×566×850
H3	3600	5~35	±0.1	1.9~5.4	10~30	20	1/2	430×636×920
H4	4300	5~35	±0.1	1.9~5.4	15~40	30	1/2	480×725×1016
H5	5500	5~35	±0.1	1.9~5.4	20~50	46	1/2	540×790×1066

Note:

- ◎ H series chiller option different flow rate and pressure of pump according to customer demand.
- ◎ H series chiller option extends cooling range from -40 ℃ to 200 ℃ .
- ◎ Maximum pressure and maximum flow can not be selected at the same time.
- ◎ Small reservoir optional, special for circulating liquid customers

# Champii (C) Vertical Chiller

Low noise chiller for laboratory analysis equipment

## Product Introduction

C series chiller is the AUWII star product with ten years good reputation, mature and reliable performance, nearly 10,000 sets ordered, bringing customers a good working experience. C chillers are fully equipped with complete protection and alarm system, which can meet the needs of various industries. Unique multiple optional water quality configuration to ensure clean water quality; With multiple detection and alarm functions, it can provide water flow alarm protection, water level alarm protection and over temperature alarm protection. Also parallel interface can be provided to control chiller start and stop through the switch signal. All configurations can be customized according to the user's specific requirements.

### Typical Application

Electroplating, plastic products, hardware, chemical industry, electronics, food preservation, laser carving, vacuum coating, ultrasonic cleaning etc industries. Chiller that uses high effective a easy cleaning stainless steel heat exchanger.



## Functions and Features

- Electrical configuration adopt high-quality product of the world to ensure that the unit stable quality and reliable operation.
- Equipped with high-performance low temperature freezing pump and stainless steel water tank
- Built-in pre-filter can visually observe the dirt of the filter element and timely replacement of the filter element;
- Standard water level sensor, optional water flow switch sensor, high and low temperature alarm signal output;
- All stainless steel pipe fittings and water pump, optional resin filter, circulating pure water, ensure long-term stability of water quality;
- Good heat dissipation by rear exhaust, no heating on the machine body, energy saving, shock absorption and low noise.

## Products Specifications

Model	Cooling capacity W	Temperature range °C	Temperature Stability °C	Circulating pressure Bar	Circulating flow L/min	Reservoir L	Size of communication RC	Overall Dimension W×D×H mm
C1	900	5~35	±1	0.5~1.5	3~15	8	1/2	360×450×660
C2	1400	5~35	±1	0.8~2.5	6~20	20	1/2	430×530×800
C3	2400	5~35	±1	0.8~3.5	8~25	30	1/2	490×580×820
C4	3600	5~35	±1	2~4.5	12~40	46	1/2	520×680×1000
C5	4300	5~35	±1	2~4.5	20~50	70	1/2	580×680×1060

**Note1:** Temperature can be extended to -10°C ( series, like C1 )  
**Note2:** High precision temperature stability ±0.1 °C (A series, such as C1A)



# So lidii (S) Horizontal Chiller

— Delicate chiller for small industrial equipment

## Product Introduction

S series chillers are easy to operate, good heat dissipation, low noise, small footprint, and are ideal accessories for small industrial equipment. This machine adopts horizontal chassis, with high refrigeration efficiency, energy saving and environmental protection. The water tank is closed to prevent water pollution and can adapt to the harsh working environment.

## Typical Application

S series chiller mainly used in small industrial equipment cooling, such as developer, laser hair removal machine, small laser machine tools Printing presses, etc.



## Functions and Features

- ◎ Easy to operate, compact structure;
- ◎ Optional eight-core external control socket, accept external control;
- ◎ Closed PVC water tank, prevent pollution, can plug filter;
- ◎ Optional flow switch, to protect the safety of supporting equipment;
- ◎ Built-in liquid level display device can observe the water level in real time.

## Products Specifications

Model	Cooling capacity W	Temperature range ℃	Temperature Stability ℃	Circulating pressure Bar	Circulating flow L/min	Reservoir L	Size of commun- ication RC	Overall Dimension W×D×H mm
S1	900	5~35	±1	0.5~1.5	3~15	8	1/2	360×450×660
S2	1400	5~35	±1	0.8~2.5	6~20	20	1/2	430×530×800
S3	2400	5~35	±1	0.8~3.5	8~25	30	1/2	490×580×820



# Royalii (RG) Split Type Chiller

Environmentally friendly Air-cooled device for industry

## Product Introduction

Royalii (RG) air-cooled split type chiller is composed of indoor unit and outdoor unit, and the outdoor unit consist of compressor, fan and condenser, which can discharge all heat and noise outside.



The indoor unit is consist of water pump, water reservoir and evaporator. Split type design can not only improve comfort and reduce the noise, but also can enhance the cooling capacity. Their large refrigeration capacity with steady operation also used as a central supply of cooling water for labs or complete buildings.

## Typical Application

Royalii (RG) chiller is environment-friendly and suitable for advanced laboratory equipment, serve as great partners of industrial equipment. RG performance effectively when they are used together with X-ray Diffractometer(XRD), X-ray Fluorescence Spectrometer(XRFS), Large Field Emission Electron Microscope, Plasma Etcher, Vacuum Plating Equipment, Ion Plating Equipment, Vacuum Furnace, Industrial Furnace and other Industrial Equipment with Large Calorific Capacity. Additionally, RG series can also be used as central chillers to simultaneously meet the requirements of multiple instruments.

## Functions and Features

- Industrial-designed outdoor unit, high efficiency, avoid plastic parts, durable and long life;
- Equipped with compressor heating at low-temperature , fan speed regulation function, suitable for different outdoor temperature in north and south;
- Stainless steel water tank with large opening simple to filling and cleaning;
- The large outlet pressure can meet requirements for high pressure ;
- Easy to monitor refrigeration system high and low pressure;
- Comprehensive with over-heating, over-flow protection, high and low pressure protection and phase sequence / phase loss protection for compressor.

## Products Specifications

Model	Cooling capacity W	Tempe- ature range ℃	Tempe- ature Stability ℃	Circula- -ting pressure Bar	Circula- -ting flow L/min	Reservoir L	Size of commun- -ication RC
RG0206	5.2	5~35	±1	1.9~5.4	10~30	60	1
RG0309	8	5~35	±1	1.9~5.4	10~30	90	1
RG0515	14	5~35	±1	1.9~5.4	10~30	150	1
RG0824	24	5~35	±1	1.9~5.4	10~60	240	1-1/4
RG6480	180	5~35	±1	1.9~5.4	150~600	800	2

## Note:

- Optional for PID hot gas bypass temperature control mode, temperature stability of  $\pm 0.1\text{ }^{\circ}\text{C}$ .
- Multiple outdoor units can be matched, the maximum cooling capacity up to 540KW, optional PLC controller, supporting industrial equipment.
- Optional multiple heads, multiple pumps and multiple outdoor units, which can be repaired online to improve system reliability.

# Kingii (K) Industry Small Chiller

Special for small/medium industrial equipment

## Product Introduction

K series chiller is special designed for small/medium sized industrial equipment. The small size machines adopt front air come-in design, which is convenient for condenser cleaning, and medium size machines air discharge from top, which is environmentally friendly and good for heat transfer. It is an ideal companion of small/medium industrial equipment refrigeration.



## Functions and Features

- ◎ Vertical structure, beautiful appearance, small size with movable casters, easy to move;
- ◎ Removable front panel, easy to clean condenser;
- ◎ Brand stainless steel pump with large flow, high head and low noise, reliable performance;
- ◎ Level display and level detector, easy to observe and monitored the level of liquid, and timely fluid supplement;
- ◎ PP cotton and resin ion filter can be selected to ensure that the water is clean;
- ◎ Various inlet and outlet water connectors can be selected to connect with customer equipment;
- ◎ Multiple types of remote control;
- ◎ Multiple alarm protection functions: compressor delay protection, compressor over current protection, water flow alarm, high and low temperature alarm, etc.

## Typical Application

Kingii is mainly used for supporting laser, industrial furnace, injection molding machine, fermentation reaction tank, welding cutting machine, material testing platform, vacuum furnace, vacuum coating equipment, etc.

## Products Specifications

TYPE		K1	K2	K3	K4	K5
Cooling capacity	KW	1	1.6	2.6	4.2	6.5
Temperature range	℃	5~35				
Temperature stability	℃	±1				
Circulating pressure	Bar	1.1~2.0	1.1~2.8	1.5~3.5	1.5~3.5	1.5~3.5
Circulating flow	L/min	5~10	5~10	5~15	10-20	10-30
Reservoir Capacity	L	12	20	30	50	60
Interface size		Rp 1/2				Rp 1

## Note:

Temperature stability ( $\pm 0.1\text{ }^{\circ}\text{C}$ ), stainless steel reservoir, deionized water, built-in filter, flow alarm can be customized, please contract the customer manager.



# KingDii (KD) Double Temp Chiller

—— For laser and machine tool



### Product Introduction

KingDii (KD) series chiller is specialized designed for cooling laser machine, double pumps and double temperature control systems, main loop for laser efficient cooling, deputy loop can be set at a higher temperature for optical head cooling so that it will not remains condense water on optical head. KD series is also equipped the function of room temperature adjustment, can automatically prevent condensation.

### Functions and Features

- ◎ Famous brand compressor and other key components, reliable performance;
- ◎ Brand stainless steel pump with large flow, high head and low noise, reliable performance;
- ◎ Stainless steel reservoir and pipe fittings, stainless steel ,PPR or other corrosion resistant materials pipeline, prevent corrosion;
- ◎ Equipped with special water filter, water pressure gauge and water level indicator, which can protect water quality, observe water pressure and level;
- ◎ Variety of alarm functions: such as flow alarm, liquid level alarm, high and low temperature alarm; phase sequence protection, compressor high temperature protection, compressor delay protection, compressor over current protection.



### Typical Application

KD series chiller mainly used in laser industry, such as laser cutting, laser welding, laser cladding equipment.

### Products Specifications

TYPE		K3D	K4D	K5D	A6D	K7D
Cooling Capacity	KW	2.5	4.2	8	12	14
Heating Capacity	KW	1.5	1.5	3	3	3
Circulating Pressure	Bar	2.8~5.5				
Circulating Flow	L/min	25		30		50
Main Temperature Range	℃	5~35; stability ±0.5				
Deputy Temperature Range	℃	5~35>main or indoor temperature ±9				
water quality requirement	-	deionized water or drinking water				
Interface size	-	Rp 1/2		Rp 1		

#### Note1:

Table only lists part of models, cooling capacity from 1.6Kw to 100Kw can be quoted ,more information please contact customer manager.

#### Note 2:

Chillers supporting for lasers maybe different, kindly contact us.

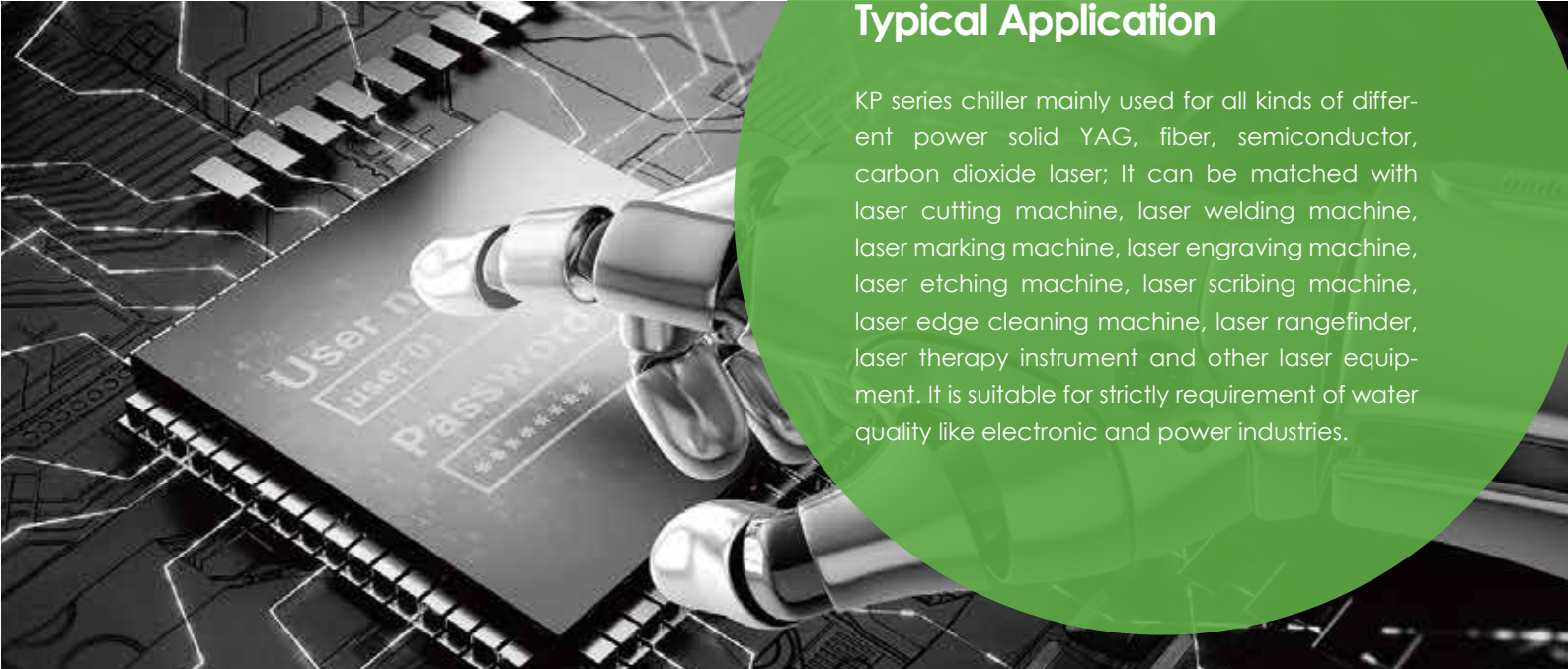
KingPii (KP) Pure water Chiller

— Special for Electronic Industry and Laser Unit



Product Introduction

KingPii (KP) series pure water chiller is designed for industrial equipment with high water quality requirement, stainless steel reservoir, stainless steel pump, PPR or PU pipes, particle filter, PP cotton mixed bed resin purifier, recycled water or ultrapure water, can be used on electronics industry, precision instruments, precision laser equipment.



Typical Application

KP series chiller mainly used for all kinds of different power solid YAG, fiber, semiconductor, carbon dioxide laser; It can be matched with laser cutting machine, laser welding machine, laser marking machine, laser engraving machine, laser etching machine, laser scribing machine, laser edge cleaning machine, laser rangefinder, laser therapy instrument and other laser equipment. It is suitable for strictly requirement of water quality like electronic and power industries.

Functions and Features

- ◎ Adopt front air come-in design, which is easily for condenser cleaning.
- ◎ With leakage protector, external operation button, protect operator safety;
- ◎ The main components are imported, higher reliability with smaller size;
- ◎ High quality water pump, large flow, high head, low noise and long life;
- ◎ Stainless steel reservoir, easy to disassembling and cleaning, ensure the water purify;
- ◎ New generation A4009B2 controller. Touch and knob operation button for parameter setting, double display for temperature and water quality.
- ◎ Optional temperature setting for room temperature adjusting or regular setting.
- ◎ Optional for water loop interface.
- ◎ Multiple alarm protection functions: compressor time-delay protection, compressor over-current protection, water quality alarm, water flow alarm, temperature alarm, etc.

Products Specifications

TYPE		K2P	K3P	K4P	K5P	K6P	K7P
Refrigeration capacity	KW	1.6	2.6	4.2	8.0	18	18
Power	-	220V~1Ph50Hz			380V~3Ph50Hz		
Circulating pressure	Bar	2.2~3.5	2.8~4.6		2.8~5.5	2.8~5.3	3.0~5.5
Circulating flow	L/min	3~15	10~30		15~30	30~50	40~60
Mainly temperature control range	℃	5~35 or ambient temperature ±9; temperature stability ±0.5					
Circulating quality	μS/cm	0.06~10					
Interface size	-	Rp 1/2			Rp 1		



# Realmii (R) Industry Large Chiller

— Special for large-medium industrial equipment

## Product Introduction

The Realmii (R) series chiller is a kind of air cooling integrated chiller for medium-large scale industrial equipment. It adopt double plate type condenser, air come in from side ,out on top. Better for environment, blue hydrophilic film condensation fin heat with highly exchange efficiency, beautiful and convenient cleaning. Humanized design easy for observation and parameter setting, reasonable structure and flexible configuration, it is a universal supporting chiller for refrigeration of medium-large industrial equipment.



## Functions and Features

- ◎ System components are well-known brands at home and abroad, to ensure excellent quality equipment, safety and reliability;
- ◎ With two control modes of "setting temperature" and "room temperature", the user can choose according to the actual needs;
- ◎ Multiple protection functions, with fault location alarm display, easy maintenance. Passive contact (normally closed) alarm output and remote control, can connect to the machine control system to protect the machine;
- ◎ Optional dual system mode, sequential start, automatic switch;
- ◎ Optional water filtration system to ensure the purity of water.

## Typical Application

Application fields include: CNC machine, CNC engraving machine, electroplating oxidation, vacuum coating, printing, casting, canning and blowing, injection molding, pharmaceutical machinery, industrial fermentation tank, vacuum furnace, coating, industrial reaction kettle, plasma laser welding, laser cutting, etc.

## Products Specifications

TYPE		R06	R08	R10	R12	R16	R20D	R32D
Refrigeration capacity	KW	17.1	22.7	28	34	44	58	80
Temperature range	℃	5~35						
Temperature control accuracy	℃	±2						
Circulating pressure	Bar	1.3~3.6	2.6~3.8	2.8~4.8	3.2~5.2	3.2~5.6		
Circulating flow	L/min	30~100	50~150	80~200	120~300	160~400		
Tank capacity	L	150	220	280	400	450		
Interface size	-	Rp 1	Rp 1-1/4	Rp 1-1/2	Rp 2			

### Note :

Double system, high precision, high performance, multiple interface size and other optional configuration. For more details, please contact customer manager.

# Leadii (L) Water-cooling Chiller

— Special for large-medium industrial equipment

## Product Introduction

The (L) series uses the external cool water as cooling medium. and be smaller size, lower noise than the air-cool chiller, without heat emissions. It's friendly for environment, especially suitable for cooling water pipe network or cooling tower with high environmental requirements. The (L) series with refrigerating capacity from 5KW to 200KW, are flexible and fully equipped to meet the needs of most customers.



## Functions and Features

- ◎ The unit adopts top mounted stainless steel reservoir, which is convenient to clean. Multiple stage centrifugal stainless steel water pump, stainless steel or PPR pipeline can ensure the cleaning of circulating liquid and protect the long-term and efficient use of customer equipment.
- ◎ The unit adopts detachable panel to ensure easy maintenance
- ◎ Microcomputer light touch button operation, double parameter digital display, easy for users to understand how to operate the system
- ◎ With multiple protection system, compressor overheating protection, over current protection, high and low pressure protection, phase sequence/lack of phase protection, exhaust overheating protection
- ◎ Optional PID intelligent temperature controller, improve temperature control accuracy to  $\pm 0.1\text{ }^{\circ}\text{C}$
- ◎ Water quality PP cotton particle filter and mixed bed resin ion filter are optional to ensure the water quality to prevent from scaling the equipment in circulation pipeline and extend the service life of the equipment.

## Typical Application

The (L) series chiller is suitable for medium and large scale industrial equipment, such as vacuum coating machine, X-ray instrument, high-power laser, vacuum furnace, pharmaceutical machinery, etc.



## Products Specifications

TYPE		L02	L05	L10	L20D	L40Q	L64Q
Refrigeration capacity	KW	5.2	14.6	30.5	60	120	176
Temperature range	℃	5～35					
Temperature control accuracy	℃	±1					
Circulating pressure	Bar	1.6~3.6	1.8~3.6	2.6~3.8	2.8~4.8	3.2~5.6	
Circulating flow	L/min	10~50	25~100	50~150	80~200	160~400	
Tank capacity	L	60	120	260	500	800	
Cooling water port	-	Rp 1	Rp 1-1/2		DN65	DN80	
Freezing water port	-	Rp 1			Rp 2	DN65	

# Macrii (MC) Tempera Control System

— Special for Electric Vehicle Test

## Product Introduction

EV test temperature control system is a professional temperature control system based on the requirements of product performance, safety and environmental adaptability in the new energy electric vehicle industry. It can meet the environmental simulation, performance simulation, reliability and other professional test of motor, controller and battery package of new energy electric vehicle.



## Functions and Features

- ◎ The temperature control range: 5~120℃、-20~120℃,-40~120℃ and the temperature stability is ±1℃ or ±0.5℃.
- ◎ The flow control range: 2 ~ 20L/ min,4 ~ 40L/ min and 4 ~ 60L/ min. The control precision is better than 0.2 L/ min.
- ◎ Special high-temperature refrigeration technology,compressor direct cooling temperature control,frequency conversion flow and the pressure control;
- ◎ Intelligent liquid return, automatic recovery the circulating liquid in the tested parts;
- ◎ Optional RS485/ CAN/ Ethernet communication mode;
- ◎ Independent modular design, easy to upgrade;
- ◎ Built-in leakage water reservoir design, effectively avoid pollution.

## Typical Application

It is widely used for motor-pair, endurance fatigue test, production line rapid detection, motor, controller, various performance tests of battery package, new product development, comprehensive environmental adaptability evaluation test, and the like.

## Products Specifications

	Cooling capacity	Cooling mode		Lowest control temperature	Output loop
MCc	08	U	-	C0	S
	03:8KW	U: Air-cooled		C0: Lowest temp. at 5℃	S:Single
	05:14KW	L: Water-cooled		C2: Lowest temp. at-20℃	D:Double
	08:22KW				T:Triple
	12:35KW				
	16:45KW				
	Cooling capacity	Cooling mode		Lowest control temperature	Output loop
MC†	12	U	-	C2	D
	08:22KW	U: Air-cooled		C2: Lowest temp. at-20℃	S:Single
	12:35KW	L: Water-cooled		C4: Lowest temp. at-40℃	D:Double
	16:45KW				T:Triple
	Cooling capacity	Cooling mode		Lowest control temperature	Output loop
MCa	16	U	-	C4	T
	08:12KW	U: Air-cooled		C4: Lowest temp. at-40℃	S:Single
	12:19KW	L: Water-cooled			D:Double
	16:26KW				T:Triple
	20:30KW				
	25:34KW				
	30:40KW				



# Abilii (AA) Oil-less Air Compressor

— **Special for analysis equipment**

## Product Introduction

AUWII oil-less air compressor is specially designed to support AAS, ICP-OES, ICP-MS, Termovap Sample Concentrator, etc. with pure, dry compressed air and constant pressure.



## Products Specifications

Model	Displacement	Press	Power	Main character	Overall Dimension
	L/min	Kgf/cm <sup>2</sup>	w		W×D×Hmm
AA320	20L/min	0.05~3kg	260W	Automatic drainage.	430×335×676
AA320A	20L/min	0.05~3kg	320W	Automatic drainage, internal electronic water removal	430×335×676
AA530	30L/min	0.05~5kg	600W	Automatic drainage.	500×335×706
AA530A	30L/min	0.05~5kg	660W	Automatic drainage, internal electronic water removal	500×335×706
AA530Z	30L/min	0.05~5.5kg	800W	Automatic drainage, high efficiency	500×335×706
AA650	50L/min	0.05~6kg	1250W	Automatic drainage.	560×400×830
AA780	80L/min	0.05~7kg	1550W	Automatic drainage.	560×400×830

## Note:

- ⦿ AA oil free air compressor no need manual drainage, can be constantly use;
- ⦿ AA\*A oil free air compressor adopts electronic water removal, mainly used in high temperature, high humidity area, can ensure that the outlet is dry.

## Functions and Features

- ⦿ Double cylinder piston compressor, stable and reliable operation, put out pure oil without lubricate;
- ⦿ Original air-cooled screw centrifugal dehydrator, cooling of compressed air rapidly, centrifugal separation of condensate;
- ⦿ Optional electronic dehydrator, water removal thoroughly;
- ⦿ Stainless steel storage sink which can prevent rust;
- ⦿ Vertical design, independent suspension damping mechanism, nest egg type sound-absorbing sponge, less vibration, lower noise;
- ⦿ Triple filters makes gas sophisticate and pure.

# DP100 Electronic Dryer

## Product Introduction

DP100 adopts innovative condensing mechanism, efficiently turns steam steam into liquid water. Continuous gas-liquid separation device can condense water without interruption, making the output air source stable and no pressure fluctuation.

## Functions and Features

- ⦿ Automatic continuous drainage, without manual operation, and maintenance.
- ⦿ Low noise, compact structure, space saving.
- ⦿ Stable output pressure, pressure will not fluctuation due to drainage.

## Typical Application

AAS、ICP-OES、ICP-MS Air drying for analytical instruments.



## Products Specifications

Model	Displacement	Press	Power	Main character	Overall Dimension
	L/min	Kgf/cm <sup>2</sup>	w		W×D×Hmm
DP-100	10-50	≤8	220	Electronic refrigeration, automatic drainage	190×133×303