



FOCUSING ON SAMPLE PROCESSING AND LABORATORY ENVIRONMENT IMPROVEMENT



Green

Safety

Intelligent

Efficient

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CORPORATE CULTURE

— Company Mission

To help human explore the world.

— Company Value

Forge ahead with determination.

Move after forethoughtful.

Action with persistence.

Make perfection more perfect.

— Company Vission

Every lab can be serviced by Auwii's product.

Every practitioner owns the opportunity of success.



COMPANY PROFILE

Beijing AUWII Instrument Co., Ltd. (AUWII[®]) is a high-tech company focusing on R & D and manufacturing of products related to sample processing and laboratory environment improvement.

The main products include Parallel Evaporator, Array Water Bath Refluxer, Sulfur Dioxide Distillator, Array Rotary Evaporator, Solvent Collector, Graphite Digestor, and Solvent Safety Caps, Waste Liquid Collector and other green laboratory products.

Adhering to the core values of "Forge ahead with determination. Move after forethoughtful. Action with persistence. Make perfection more perfect.", AUWII continuously provides excellent products and services to global customers.



High Throughput Vacuum Parallel Evaporator



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Laboratory environment improvement



APE series High Throughput Vacuum Parallel Evaporator

Multi-sample synchronized concentration is the main factor in improving the efficiency of sample preparation. Equipped with a flip-type vacuum cover (patented technology), AUWII APE series high-throughput Vacuum Parallel Evaporator allows sample concentration easier without removing the lock nut.

01

AUWII Parallel Evaporator Easily operate



① Flip cover



② Put in samples

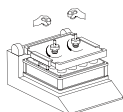


③ Close the cover and
lock automatically

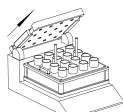
Flip vacuum cover- Easier to operate

Patented flip-type vacuum cover, avoids frequently removing lock nut and moving the vacuum cover during the process of putting in and taking out the sample bottles in the traditional parallel evaporator.

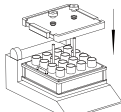
Traditional Parallel Evaporator Complicate operate



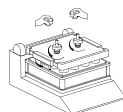
① Remove the nuts



② Put the cover
into back frame



③ Install the cover



④ Manual lock



02

Hidden uniform temperature water bath- Synchronized concentration

Adopts hidden uniform temperature heating technology, temperature differential between holes is less than 0.5°C , which can ensure good synchronization of sample concentration.



03

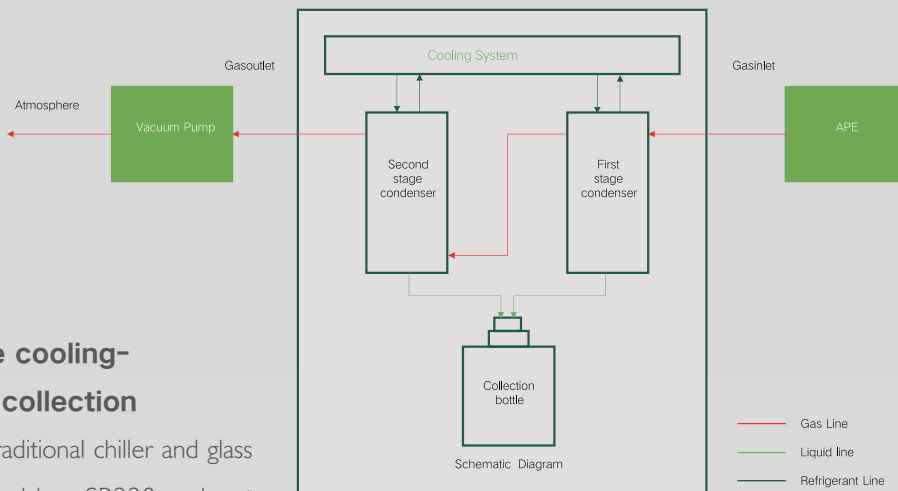
"One-press" automatic water refilling- Easier operation

With "one-press" automatic water refilling function, can easily fill the water to bath.

04

"Dry-type" low temperature cooling- Higher efficiency for vapor collection

APE series Evaporator can cool by traditional chiller and glass condenser, or vapor can be collected by eSR220s solvent collector. The eSR220S solvent collector adopts "dry-type" low-temperature condensation technology. Without cooling circulating liquid, vapors directly condensed at -20°C low temperature, especially providing the low boiling point solvents a high efficiency collection.



Vacuum Parallel Evaporator with solvent Collector

05

Modular design-compatible with multiple bottles

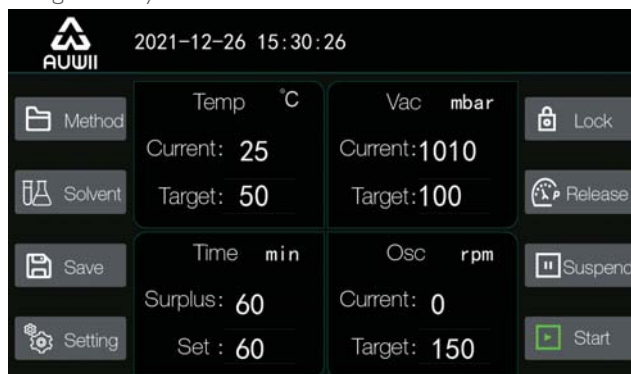
The APE Parallel Evaporator adopts a modular design and optional 850ml, 450ml, 250ml, 60ml sample bottle adapters to meet the needs of different volume samples.



06

Network software-Intelligent and versatile

APE Evaporator equips a color touch screen, can easily set water bath temperature, heating temperature of the vacuum cover, oscillation rate, vacuum degree, and working time. Optional wifi data interaction function to realize the docking with the laboratory management system.



Models	APE4	APE9	APE16	APE36
Number of samples	4	9	16	36
Sample bottle volume	850ml	450ml	250ml	60ml
Recommend sample volume	≤400ml	≤200ml	≤100ml	≤30ml
Oscillation type	Circular oscillations	Circular oscillations	Circular oscillations	Circular oscillations
Temperature range	Room Temperature ~240℃	Room Temperature ~240℃	Room Temperature ~240℃	Room Temperature ~240℃
Temperature stability	± 1℃	± 1℃	± 1℃	± 1℃
'one-press'' automatic water refilling	Support	Support	Support	Support
Vacuum cover type	Flip type	Flip type	Flip type	Flip type
Vacuum cover locking mode	Auto lock	Auto lock	Auto lock	Auto lock
Vacuum cover temperature setting range	Room temperature to 70℃	Room temperature to 70℃	Room temperature to 70℃	Room temperature to 70℃
Vacuum controller	Built-in	Built-in	Built-in	Built-in
Vacuum degree setting stability	1mbar	1mbar	1mbar	1mbar
Vacuum gradient control	Support	Support	Support	Support
Vacuum fast lock	Support	Support	Support	Support



Array Rotary Evaporator



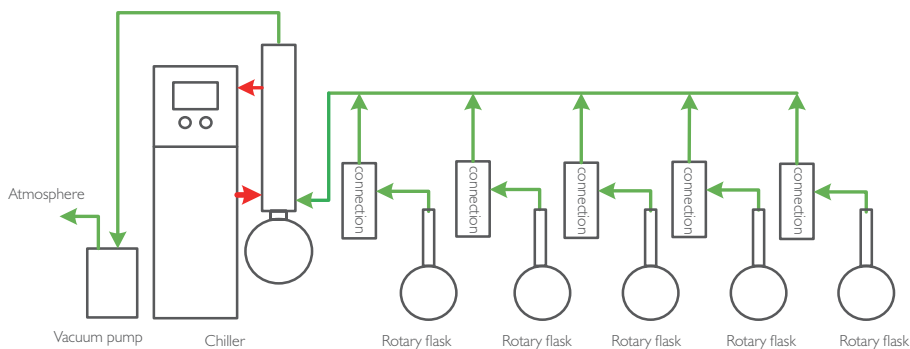
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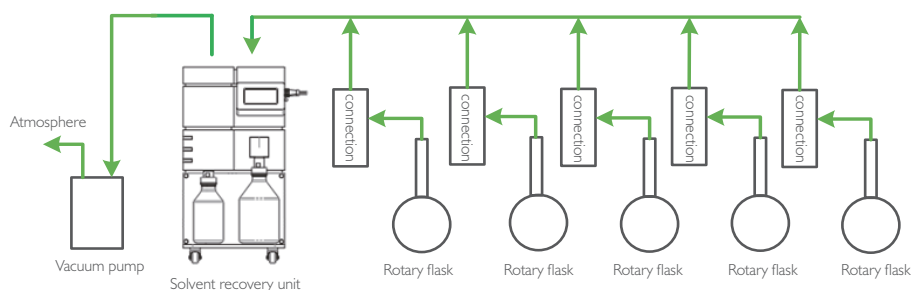
Array Rotary Evaporator

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 Collector unit, which can greatly save the space and improve the experiment efficiency.

Up to 6 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 collector

01

1/3 Size of traditional rotary evaporator

Innovatively longitudinal rotating axis design, reducing the product width to 25cm, which is one third of traditional rotary evaporator. Up to 5 miniRotars can be put into 1.8m fume hood, greatly save the space.

02

Triple efficiency of traditional evaporator

Up to 6 samples can be simultaneously processing by one people, the working efficiency is three times of the ordinary system.

03

Vacuum release independently

Each unit equips an independent quick release vacuum button, which can release the vacuum independently without interfering other rotary evaporator units.

04

Versatile and Convenient

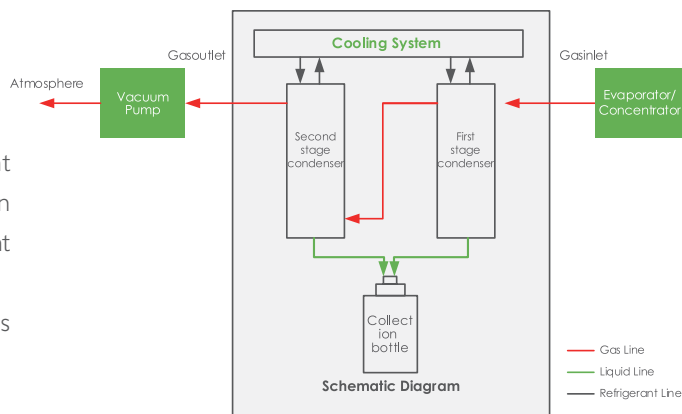
MiniRotar supports intelligent functions such as rapid vacuum lock, timed evaporation, and alternating forward and reverse rotation, which brings great convenience to the experimental work.



05

Efficient cooling, reduce pollution

Array rotary evaporator can cooling by solvent collector. The multi-stage direct condensation technology can efficiently liquefy and collect solvent vapor and reducing emission. No cooling circulating fluid and glass condenser is needed, and it is ready to use once it is turned on.



Rotary Evaporator



Specification	miniRotar500	miniRotar500s
Temperature range	Room temperature to 95°C	Room temperature to 95°C
Control accuracy	± 1°C	± 1°C
Temperature setting and display	Knob quick-set, digital display of target temperature and real-time temperature.	Knob quick-set, digital display of target temperature and real-time temperature.
Dry burn protection	Anti-dry burning automatic power off	Anti-dry burning automatic power off
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	Rotary flask raise and drop mode	Rotary flask raise and drop 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. Vacuum released and the sample will stop evaporating.)
Rotary flask	500mL	500mL
Flask connection	Standard 24/29 connection	Standard 24/29 connection
※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 units are working, release the vacuum of one unit, others works normally.)
Auto vacuum release when power off	N/A	Yes
※Sample observation light	USB led light	USB led light
Extraction connection	φ 10mm Pagoda-Shape Connector	φ 10mm Pagoda-Shape Connector
Communication interface	N/A	RS485
Power supply	AC220V 50/60Hz	AC220V 50/60Hz
Input power	700W	700W
Overall dimensions LXWXH(mm)	530 × 250 × 520	530 × 250 × 520

Vacuum Pump



Specification	eV35	eV35s
High performance diaphragm vacuum pump	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	φ 10mm Pagoda-Shape Connector	φ 10mm Pagoda-Shape Connector
Power supply	AC220V 50/60Hz	AC220V 50/60Hz
Input power	240W	245W
Maximum load	Up to 6 mini rotary evaporator units supported	Up to 6 mini rotary evaporator units supported
Overall dimensions LXWXH(mm)	350 × 170 × 350	350 × 170 × 350

Vacuum Controller



Specification	eC35s
Vacuum control range	10-1050mbar
Vacuum setting accuracy	1mbar
Vacuum control accuracy	2mbar
Display	5-inch TFT touch screen
Vacuum sensor type	5
Material of contact	PEEK、PTFE、Perfluoroether rubber、PFA
Vacuum pump power control	ON/OFF can be controlled of the vacuum pump
Communication interface	RS485
Gas connector	PEEK ϕ 10mm Pagoda-Shape Connector
Power supply	AC100-230V,50/60Hz
Input power	50W
Overall dimensions LXWXH(mm)	240 × 160 × 170

Solvent Collector



Specification	eSR220s
Cooling stage	Two stages
Lowest temperature	-20℃
Collection bottle	One
Collection bottle Volume	2000ml
Condensing pipeline ring material	Special material (Resistance to chloride)
Air pipe connection	PEEK ϕ 10mm Pagoda-Shape Connector
Input power	500W
Power supply	AC220V 50Hz
Overall dimensions LXWXH(mm)	510 × 240 × 660

Glass Condenser



Specification	GL1000
Material	High borosilicate glass
Extraction connector	ϕ 10mm Pagoda-Shape Connector
Water connector	ϕ 10mm Pagoda-Shape Connector
Collection bottle Volume	1000ml
Condensing tube surface area	0.2 m ²
Material	High borosilicate glass
Fixed method	ϕ 10mm Pagoda-Shape Connector

Recirculating Chiller



Specification	T4	T4 α	T4 β
Temperature Range	5-35°C	-10-35°C	-20-35°C
Temperature Stability	$\pm 0.1^{\circ}\text{C}$	$\pm 0.1^{\circ}\text{C}$	$\pm 0.1^{\circ}\text{C}$
Cooling Capacity	1600W @25°C	1500W @25°C	1200W @25°C
Reservoir Volume	7L	7L	7L
Overall dimensions LXWXH(mm)	490 × 246 × 790	490 × 246 × 790	490 × 246 × 790

Specification	T3	T3 α	T3 β
Temperature Range	5-35°C	-10-35°C	-20-35°C
Temperature Stability	$\pm 0.1^{\circ}\text{C}$	$\pm 0.1^{\circ}\text{C}$	$\pm 0.1^{\circ}\text{C}$
Cooling Capacity	1200W @25°C	1000W @25°C	800W @25°C
Reservoir Volume	5L	5L	5L
Overall dimensions LXWXH(mm)	460 × 210 × 660	460 × 210 × 660	460 × 210 × 660

Specification	T2	T2 α	T2 β
Temperature Range	5-35°C	-10-35°C	-20-35°C
Temperature Stability	$\pm 0.1^{\circ}\text{C}$	$\pm 0.1^{\circ}\text{C}$	$\pm 0.1^{\circ}\text{C}$
Cooling Capacity	700W @25°C	600W @25°C	500W @25°C
Reservoir Volume	5L	5L	5L
Overall dimensions LXWXH(mm)	410 × 210 × 560	410 × 210 × 560	410 × 210 × 560

Specification	T1	T1 α	—
Temperature Range	5-35°C	-10-35°C	—
Temperature Stability	$\pm 0.1^{\circ}\text{C}$	$\pm 0.1^{\circ}\text{C}$	—
Cooling Capacity	450W @25°C	300W @25°C	—
Reservoir Volume	3L	3L	—
Overall dimensions LXWXH(mm)	350 × 176 × 550	350 × 176 × 550	—

Note:

Both the solvent collector and the recirculating chiller can cooling for the organic solvent out from the Array Rotary Evaporator. GL1000 is needed only if cooling by chiller.



Array Water Bath Refluxer



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Array Water Bath Refluxer

—Auto Water Bath Heating and Reflux, Soxhlet Extraction solution

Food, Pharma

Leaching
Hydrolysis
Saponification
Methyl
esterification



Typical Application

Sample preparation for detection of fatty acids in food, detection of starch in food, detection of Vitamin A, D, E in food, total esters in liquor.

Array water bath refluxer is an automated solution for water bath heating and reflux, soxhlet extraction experiment. It can process 6 samples at the same time, the glass condenser can automatically rise and fall, making sample replacement easier. It not only equips a heating water bath, but also a cooling water bath, which can quickly cool the processed samples to room temperature.



01

Compatible with reflux and Soxhlet extraction

AF6-SOX series products can oth easily complete the water bath heating reflux experiment, and Soxhlet extraction, which realizes two functions on one device.

02

Cooling and heating dual bath-comply with standards

AF6D,AF6DM equips a hot water bath heating from room temperature to 100 °C , and a 5 °C cooling water bath can cool the samples to room temperature within 50s.

03

Auto raise and fall-Easy for sample replacement

AF6 glass condenser can be controlled automatically rise and fall, easier sample replacement. Besides, AF6 can set it's working time. Once the time is over, the glass condenser will auto rise.



Middle liquid adding-Proper operating position

A liquid filling port is uniquely designed in the middle of glass condenser, proper height of the liquid filling port for adding reagents during the experiment.

Intermittent stirring-Easy to hydrolysis

6-position magnetic stirrer are equipped by AF6M and AF6DM, which can stir continuously or interrupt, make the sample hydrolysis easier.

Triple safety protection-more peace of mind using

Triple safety protection against dry heating. A high-decibel voice alarm will be triggered when the hot water bath is nearly empty. In extreme cases, if dry burning occurs, the equipment can be automatically powered off to ensure safe use.

04

05

06

Model Parameter	AF6D	AF6D-SOX	AF6DM	AF6DM-SOX
Soxhlet extraction compatible	N/A	YES	N/A	YES
Sample capacity	6 pcs	6 pcs	6 pcs	6 pcs
Bottle thread	Standard 24/29 thread	Standard 24/29 thread	Standard 24/29 thread	Standard 24/29 thread
Bottle volume	150、250ml	150、250ml	150、250ml	150、250ml
* Water bath	Heating and cooling bath	Heating and cooling bath	Heating and cooling bath	Heating and cooling bath
Temp. range of heating	Room temp.~100℃	Room temp.~100℃	Room temp.~100℃	Room temp.~100℃
Temp. stability of heating	±1℃	±1℃	±1℃	±1℃
* Sound alarm of hot water bath	YES	YES	YES	YES
Temp. range of cooling bath	5℃~10℃	5℃~10℃	5~10℃	5~10℃
* Automatic rise and fall	YES	YES	YES	YES
* Sample timing range	0~999min adjustable	0~999min adjustable	0~999min adjustable	0~999min adjustable
Magnetic stirring	—	—	YES	YES
Magnetic stirring speed	—	—	0~2000 round/min Adjustable	0~2000 round/min Adjustable
Recirculating chiller	T3B	T3B	T3B	T3B
Power supply	AC220V 50/60Hz	AC220V 50/60Hz	AC220V 50/60Hz	AC220V 50/60Hz
Input power	2500W	2500W	2500W	2500W
Overall dimensions L×W×H(mm)	1200×350×930	1200×350×930	1200×350×930	1200×350×930



Sulfur Dioxide Distiller

Nitrogen-filled Method



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Sulfur Dioxide Distiller (Nitrogen-filled Method)

DSD1000 Sulfur Dioxide(SO₂) Distiller fully meets the standard requirements of SO₂ residues in food and medicine. The principle of overall integrated design made pipe orderly and tidy. Only 25cm of the unit width, can be used independently or combined, provide a flexible solution to users.



01

Modular design——Flexible configuration

The width of a single unit is only 25cm, and it can be used independently, or multiple units can share one chiller, a nitrogen generator, and multiple units can be used in parallel, and can be configured flexible.



02

Ceramic heater ——Reliable and Safe

SD series distiller adopts a high temperature resistant ceramic heating body, with excellent waterproof performance. Heating power adjustment, timing heating, magnetic stirring various functions. An independent module heater, can be taken off and used in other heating experiments instead of the traditional heating jacket, safer and reliable.

03

Built-in Cooler —— Easy to Operation

SD1000C、SD1000MCEquipped with built-in a circulating cooling chiller with a micro-compressor to provide cooling liquid to glass condenser without an external water cooling machine, meantime, liquid level visible and liquid shortage protection functions, makes it easily used.



04

Double-mouth water-sealing cup——Visible air leakage

After connecting with the reflux condenser and the separating funnel, water can be filled into the water-sealing cup on top of flask. If any leaks, air bubbles will be generated in the water-sealing cup, to avoid low recovery rate of analysis results.



05

Double absorption bottle——In ASTA standard compliant

Equipped with two 100ml absorption bottles of toluene and hydrogen peroxide, which meet the requirements of ASTA standard and can reduce analysis interference.



06

Independent Nitrogen Stabilized ——Stable flow

Both independent adjustable nitrogen flowmeter and built-in independent nitrogen pressure stabilizer are equip for SD series distillator, avoid mutual nitrogen flow fluctuations when used in parallel.

Main Parts	Technical Parameter	SD1000	SD1000M	SD1000C	SD1000CM
Heater	Water-proof ceramic heater	YES	YES	YES	YES
	Heating power range	0-450W	0-450W	0-450W	0-450W
	Flask volume	1000ml	1000ml	1000ml	1000ml
	Timing range	0-999min	0-999min	0-999min	0-999min
	Magnetic stirring	——	YES	——	YES
	External temperature sensor interface	YES	YES	YES	YES
Recirculating Chiller	——	External required	External required	Built-in	Built-in
Nitrogen gas control	Adjustable flow range	0-1L/min	0-1L/min	0-1L/min	0-1L/min
	Input pressure range	0.15-0.2Mpa	0.15-0.2Mpa	0.15-0.2Mpa	0.15-0.2Mpa
Double -mouth flask	Flask volume	1000ml	1000ml	1000ml	1000ml
	Visible connection leakage	YES	YES	YES	YES
Glass condenser	Length	400mm	400mm	400mm	400mm
	Top connector spec.	GL45	GL45	GL45	GL45
Absorption bottle	Dual-absorption bottle setup	YES	YES	YES	YES
	Absorption bottle volume	100ml	100ml	100ml	100ml
Power	Power supply	AC220V	AC220V	AC220V	AC220V
	Input power	500W	500W	650W	650W



Urine Iodine Digestor



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Urine Iodine Digester

Urine Iodine Digester is a device developed according to urine iodine determination standard. It can process up to 100 samples at the same time. The temperature between samples is more uniform, and it is safer, cleaner and more convenient to use.



01

Multiple protection

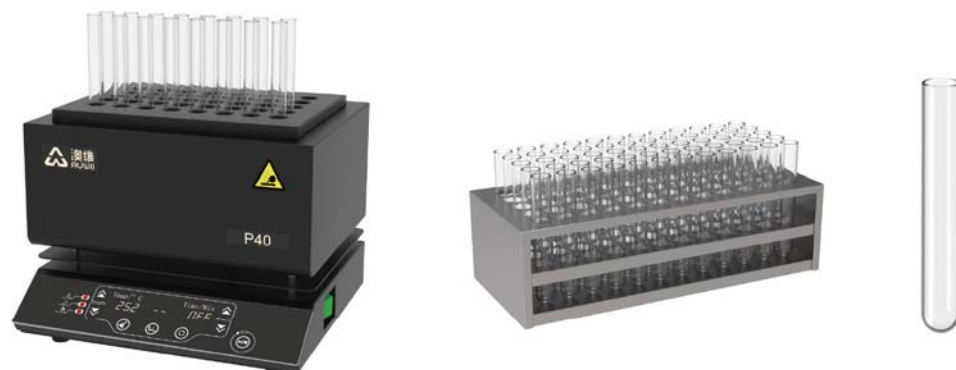
—Anti-corrosion & Durable




- Stainless steel surface with Teflon coating, double anti-corrosion;
- Thickened Teflon coating on the surface of the graphite body, effectively prevent acid corrosion;
- Electrical system independently sealed, heat insulation and corrosion protection;
- Capacitive touch buttons isolated design, avoid acid gas corrosion;

02

Versatile function—Easy to use

- Temperature, heating stage and time are displayed at the same time, easy to read;
- Up to 20 stages of program temperature control function, sample digestion, acid evaporate much peaceful;
- Last working parameter auto saved, no need to repeat settings;
- Upper temperature limit protection to ensure safe use;
- Built-in WIFI communication module and open communication protocol to meet the needs of secondary development;



Profile	Order No.	Temperature range	Temperature Difference between holes	Temperature stability	Hole Diameter (mm)	Digestion Capacity	Case material	External Dimension (L×W×Hmm)
	P40	Room Temperature ~240°C	± 1°C (@100°C)	± 0.2°C (@100°C)	16.5	40	Teflon coating on stainless steel surface	290×300×230
	P60	Room Temperature ~240°C	± 1°C (@100°C)	± 0.2°C (@100°C)	16.5	60	Teflon coating on stainless steel surface	350×320×230
	P100	Room Temperature ~240°C	± 1°C (@100°C)	± 0.2°C (@100°C)	16.5	100	Teflon coating on stainless steel surface	360×430×260



Anticorrosive Graphite Digestor



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EH Anti-corrosive Graphite Digestor

EH series Anti-corrosive Graphite Digestor is a sample preparation device that can work in a high-concentration acid mist environment. Up to 60 samples can be digested at one time. The temperature is controlled by the stage program, which automatically completes the steps of digestion and acid evaporation, minimizing reducing the exposure of experiment personnel to acid gas.



01

Multiple protection

—Anti-corrosion & Durable

- Stainless steel surface with Teflon coating, double anti-corrosion;
- Thickened Teflon coating on the surface of the graphite body, effectively prevent acid corrosion;
- Independently sealed electrical system, heat insulation and corrosion protection;
- Capacitive touch buttons isolated design, avoid acid gas corrosion;

02

Versatile function—easy to use

- Temperature, heating stage and time are displayed at the same time, easy to read;
- Up to 20 stages of program temperature control function, sample digestion, acid evaporate much peaceful;
- Last working parameter auto saved, no need to repeat settings;
- Upper temperature limit protection to ensure safe use;
- Built-in WIFI communication module, open communication protocol, available for secondary development.

Homogeneous Heating—Synchronous Digestion






Unique uniform temperature heater. Sample heated by isostatic pressing graphite body. Uniform temperature between the digestion holes, and longer service life.

Various optional of tubes

Optional high borosilicate glass digestion tube, PTFE digestion tube, polypropylene digestion tube, glass beaker, etc.

03

04

Profile	Order No.	Temperature range	Digestion Block Dimension	Digestion Capacity	Graphite surface coating	Case material	Power
	miniHeater-1530	Room Temperature~240℃	Φ32mm	15	Thickened PTFE coating	Teflon coating on stainless steel surface	AC220V1500W
	miniHeater-1242		Φ44mm	12			
	EH-2430	Room Temperature~240℃	Φ32mm	24	Thickened PTFE coating	Teflon coating on stainless steel surface	AC220V1800W
	EH-1542		Φ44mm	15			
	EH-3630	Room Temperature~240℃	Φ32mm	36	Thickened PTFE coating	Teflon coating on stainless steel surface	AC220V2500W
	EH-2542		Φ44mm	25			
	EH-6030	Room Temperature~240℃	Φ32mm	60	Thickened PTFE coating	Teflon coating on stainless steel surface	AC220V3500W
	EH-4042		Φ44mm	40			
	EH-1646	Room Temperature~240℃	Φ48mm (Special for 46mm outer diameter beaker)	16	Thickened PTFE coating	Teflon coating on stainless steel surface	AC220V2500W
	EH-2542		Φ42mm (Special for 46mm outer diameter beaker)	25			

EHS Anti-corrosive Graphite Digestor

EHS series Anti-corrosive Graphite Digestor is a sample preparation device which can work in a high-concentration acid mist environment. It can digestion up to 60 samples at the same time which fully meet the needs of batch processing. With Automatic lift and down function, greatly reduce manual operation.



01

Automatic lift and down —Protect the samples

○ **Samples automatically lifted for cooling**

The rack automatically rises and dissipates the heat once heating procedure finish, to avoid samples destroyed by graphite residual heat.

○ **Observe samples out from window**

The sample rack can be lifted by wire control switch or app software, and users can observe the samples easily out from fume hood glass.

02

Multiple protection—Anti-corrosion & Durable

- Stainless steel surface with Teflon coating, double anti-corrosion;
- Thickened Teflon coating on the surface of the graphite body, effectively prevent acid corrosion;
- Independently sealed electrical system, heat insulation and corrosion protection;
- Capacitive touch buttons isolated design, avoid acid gas corrosion;

Versatile function- Easy to use




- Temperature, heating stage and time are displayed at the same time, easy to read;
- Up to 20 stages of program temperature control function, sample digestion, acid evaporate much peaceful;
- Last working parameter auto saved, no need to repeat settings;
- Upper temperature limit automatic protection ;
- Built-in WIFI communication module, open communication protocol, available for secondary development.

Homogeneous Heating—Synchronous Digestion

Unique uniform temperature heater. Sample heated by isostatic pressing graphite body. Uniform temperature between the digestion holes, and longer service life.

03

04

Profile	Order No.	Temperature range	Digestion Block Dimension	Digestion Capacity	Graphite surface coating	Case material	Power
	EHS-3630	Room Temperature~240℃	Φ32mm	36	Thickened PTFE coating	Teflon coating on stainless steel surface	AC220V2500W
	EHS-2542		Φ44mm	25			
	EHS-6030	Room Temperature~240℃	Φ32mm	60	Thickened PTFE coating	Teflon coating on stainless steel surface	AC220V3500W
	EHS-4042		Φ44mm	40			
	EHS-1646	Room Temperature~240℃	Φ48mm (Special for 46mm outer diameter beaker)	16	Thickened PTFE coating	Teflon coating on stainless steel surface	AC220V2500W
	EHS-2540		Φ42mm (Special for 40mm outer diameter beaker)	25			



Anticorrosive Acid Digestor



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Laboratory environment improvement

Intelligent Acid Digester-Ideal Partner of Microwave digestion

Vseries Intelligent Acid digester is the best partner for microwave digestion. Microwave tubes can be put into the digester 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.



01











Multiple protection—Anti-corrosion and durable

- Stainless steel surface with Teflon coating, double anti-corrosion;
- Thickened Teflon coating on the surface of the graphite body, effectively prevent acid corrosion;
- Capacitive touch buttons to isolate acid gas and avoid corrosion;
- Double-layer structure design, independently sealed electrical system, heat insulation and corrosion protection;

02

Versatile function- Easy to use

- Temperature, heating stage and time are displayed at the same time, easy to read;
- Up to 20 stages of program temperature control function, sample digestion, acid evaporate much peaceful;
- Last working parameter auto saved, no need to repeat settings;
- Upper temperature limit automatic protection to ensure safe use;
- Built-in WIFI communication module and open communication protocol available for secondary development.

Series	Profile	Order No.	Digestion Block Dimension	Digestion Capacity	Temperature range	Temperature difference between holes	Stage of temp. setting	Input Power(W)	External Dimension (L×W×Hmm)
V		V2428	DiameterΦ28mm depth 155mm	24	Room Temper ature~240°C	± 1.5°C (@200°C)	20	1500	290 × 290 × 310
		V1243	DiameterΦ42.5mm depth 110mm	12	Room Temper ature~240°C	± 1.5°C (@200°C)	20	1500	290 × 290 × 310
		V1248	DiameterΦ47.5mm depth 115mm	12	Room Temper ature~240°C	± 1.5°C (@200°C)	20	1500	290 × 290 × 310
		V2438	DiameterΦ37.5mm depth 135mm	24	Room Temper ature~240°C	± 1.5°C (@200°C)	20	1800	350 × 310 × 310
		V4028	DiameterΦ28mm depth 155mm	40	Room Temper ature~240°C	± 1.5°C (@200°C)	20	1800	350 × 310 × 310
		V2434D	DiameterΦ34mm depth 200mm	24	Room Temper ature~240°C	± 1.5°C (@200°C)	20	2000	350 × 310 × 355
		V1638	DiameterΦ37.5mm depth 135mm	16	Room Temper ature~240°C	± 1.5°C (@200°C)	20	1500	250 × 310 × 300
		V6428	DiameterΦ28mm depth 155mm	64	Room Temper ature~240°C	± 1.5°C (@200°C)	20	3000	360 × 420 × 350
		V4028D	DiameterΦ28mm depth 170mm	40	Room Temper ature~240°C	± 1°C (@100°C)	20	1800	350 × 310 × 310
		V4537	DiameterΦ37mm depth 110mm	45	Room Temper ature~240°C	± 1°C (@100°C)	20	3000	640 × 420 × 330



Soil Organic Digestor

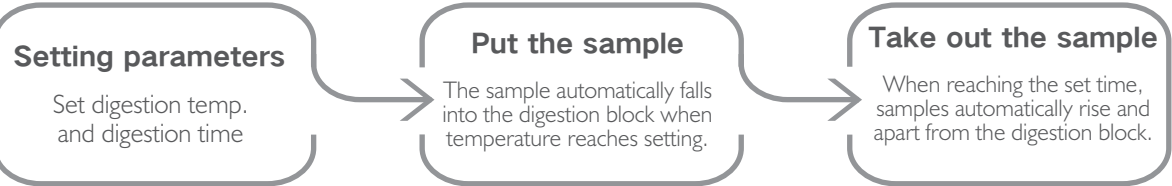


Green | Safety | Intelligent | Efficient

Focusing on sample processing and
laboratory environment improvement

Soil Organic Digestor

C series Soil Organic Digestor is developed based on soil organic determination standard, which replaces the oil bath to digest the samples, and can process 24 samples at the same time. Features by uniform temperature, safe, clean and easy to operation.



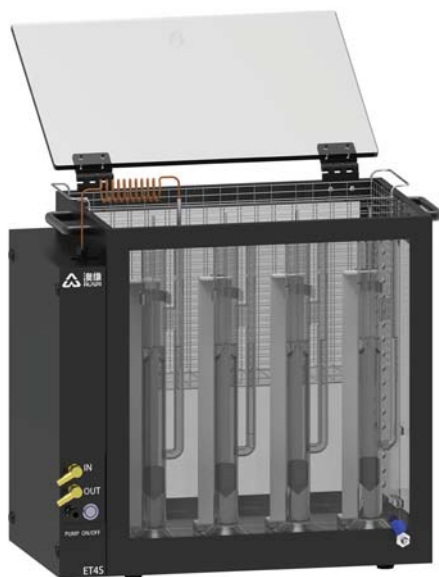
Features

- ◆ Teflon-coated graphite heating element can uniformly digest the sample, which is safer and cleaner than the oil bath digestion;
- ◆ Intelligent sample lifting, digestion process is automatically completed, less attention ;
- ◆ Dedicated digestion tube with self-reflux function;
- ◆ Stainless steel surface with Teflon coating, double anti-corrosion;

Order No.	Digestion tube specifications	Digestion Capacit	Temperature control range	Temperature difference between holes	Sample intelligent lifting
C24	50ml Dedicated digestion tube	24	Room Temp.~240℃	± 1.5℃ (@200℃)	N/A
C36	50ml Dedicated digestion tube	36	Room Temp.~240℃	± 1.5℃ (@200℃)	N/A
CS36	50ml Dedicated digestion tube	36	Room Temp.~240℃	± 1.5℃ (@200℃)	YES



Thermostatic Water Bath for alcohol



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Focusing on sample processing and
laboratory environment improvement

Thermostatic Water Bath for Alcohol

ET4 series thermostatic water bath is a special thermostatic equipment for alcohol test developed in strict accordance with the National Food Safety Standard for Determination of Ethanol Concentration in Wine and combined with the needs of the actual test process.



01

Precise temperature control of samples
——No need to look up tables for conversion

ET4S constant temperature water bath is controlled by the sample temperature. The sample temperature can be accurately controlled at $20^{\circ}\text{C} \pm 0.1^{\circ}\text{C}$, and the alcohol content can be directly read.

02

Dedicated sample cup
——Wider measuring range

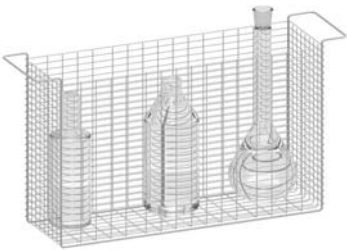
The depth of the sample cup is 40cm. Adding 180ml of sample can realize the full range measurement requirement of the alcohol meter with a division value of 0.1% vol. in the thermostatic water bath for thermal preservation.



Transparent water bath box

——Clear reading

Transparent water bath box , it can clearly observe results outside the water bath box;



Internal sample hanging basket

——Easire for sample insulation

With a large-capacity stainless steel hanging basket, alcohol samples and testing samples can be placed in the hanging basket and immersed in the thermostatic water bath for thermal preservation.

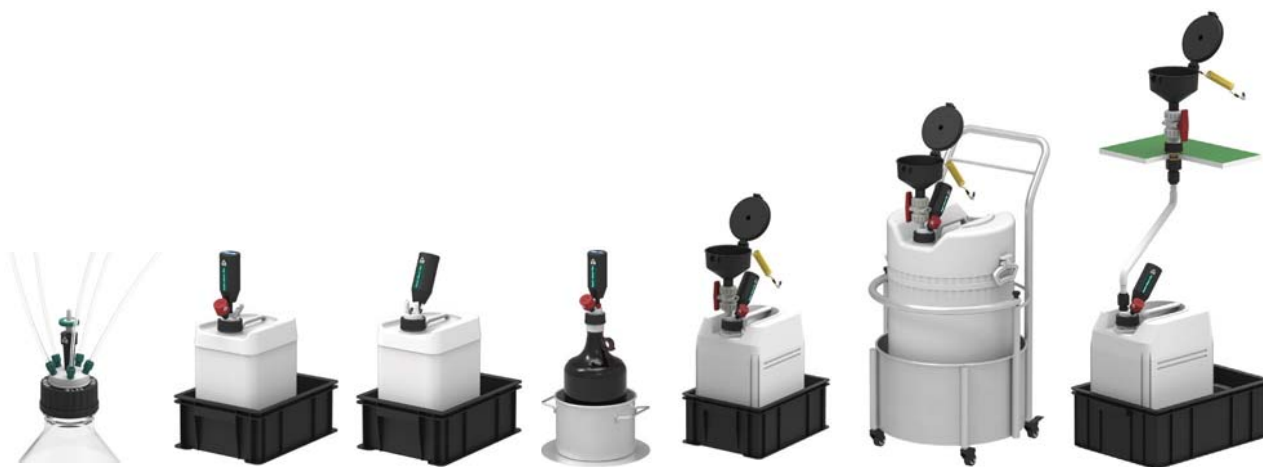
03

04

Model	ET4	ET4S
Sample No.	4	4
Temp. control model	water bath temp. control	Compatible with sample temp. control and water bath temp. control
Temp. range	10℃ -25℃	10℃ -25℃
Water bath Temp. stability	± 0.1℃ @20℃	± 0.1℃ @20℃
Sample temp. control stability	——	± 0.1℃ @20℃
Sample cup type	dedicated double-mouth sample cup	dedicated double-mouth sample cup
Thermostatic Temp. module	NO	YES
Water Bath Material	transparent	transparent
Water Bath Dimension	L (45cm) W (30cm) H (45cm)	L (45cm) W (30cm) H (45cm)
SS hanging basket dimension	L (42cm) W (13cm) H (25cm)	L (42cm) W (13cm) H (25cm)
Recirculating Chiller Spec.	AUWII T3-M	AUWII T3-Mt



Protect Lab Environment & Take Care of Experimenters



Green | Safety | Intelligent | Efficient

Focusing on sample processing and
Laboratory environment improvement

Protect the laboratory environment and care for the health of experimenters

—— Green laboratory series solutions

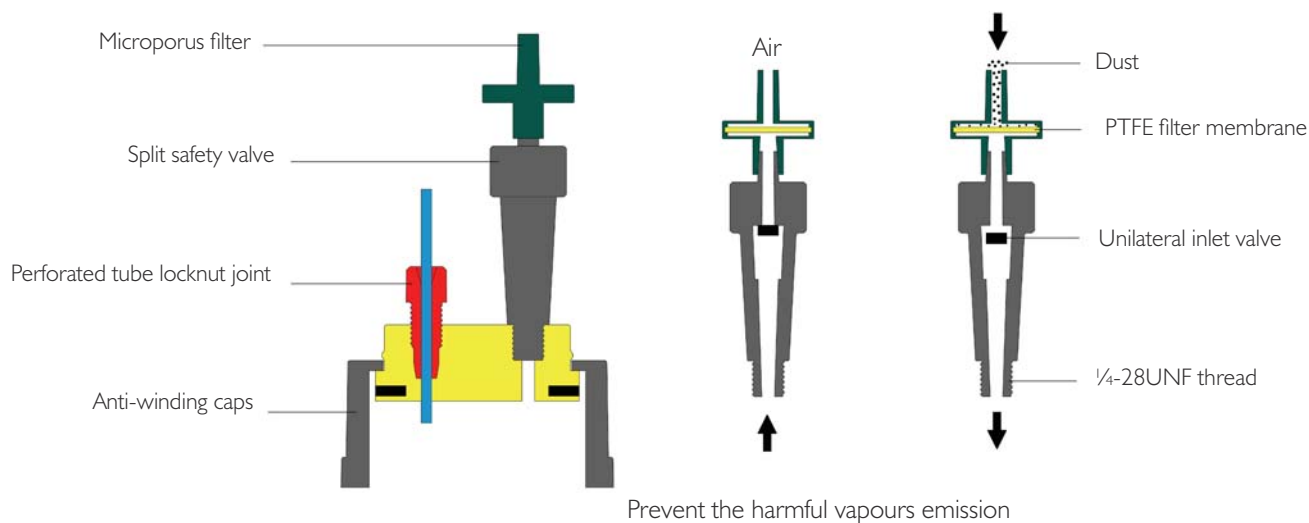
The green laboratory series products provide green and safe solutions for the sealing of solvent bottles and the collection of chemical waste in the laboratory, protecting the laboratory environment and the health of person in laboratory in an all-round way.

Solvent Safety Caps

SV series solvent safety caps can be used for the safe sealing of solvent bottles in liquid chromatography, automatic solid-phase extraction, pressurized solvent extraction instruments and other equipment. When the equipment is working, it can efficiently filter dust in the air to prevent solvent pollution and ensure the accuracy of analysis results as well as can preventing the solvent from volatilizing when the instrument stops working in order to protect the laboratory environment from pollution.



SV series solvent safety bottle cap



Schematic diagram of SV series solvent safety caps

01

Unilateral Seal -Prevent Evaporation

With high sensitivity one-way inlet valve, when the instrument stops working, the inlet valve automatically seals to prevent the solvent from evaporating which can maximum protect laboratory safety;

02

External microporous filter-saving cost

The normal safety cap needs to replace valves every 6 months, high cost in maintenance. Auwii SV series products innovatively adopt a split design, and externally install the microporous membrane that is easy to be clogged by dust. The using cost is greatly reduced due to a low replacement cost.

03

Time Label -Expiration Reminder

The time label on SC solvent safety caps record the use time in the form of a red progress bar to remind the user to replace the micro-porous filter when it is due.

Model	Thread specification	Tube No.	Tube outside diameter
SV38-1	GL38	1	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV38-2	GL38	2	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV38-3	GL38	3	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV38-4	GL38	4	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV38-5	GL38	5	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV38-6	GL38	6	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV40-1	GL40	1	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV40-2	GL40	2	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV40-3	GL40	3	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV40-4	GL40	4	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV40-5	GL40	5	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV40-6	GL40	6	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV45-1	GL45	1	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV45-2	GL45	2	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV45-3	GL45	3	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV45-4	GL45	4	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV45-5	GL45	5	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV45-6	GL45	6	φ 1.5-1.6mm、φ 2.0-2.3mm、φ 2.5-2.7mm、φ 3.0-3.2mm
SV38P-1 Special for Preparative chromatography	GL38	1	Φ5-8mm
SV40P-1 Special for Preparative chromatography	GL40	1	Φ5-8mm
SV45P-1 Special for Preparative chromatography	GL45	1	Φ5-8mm

Pipeline waste liquid collector

Pipeline waste liquid collector is mainly used to collect waste liquid discharged from Spectrometer, Liquid Chromatography, Mass Spectrometer and Preparation equipment in the lab. The exhaust gas filter can efficiently absorb the harmful gas evaporated from waste liquid container to maximum protect laboratory safety and the health of experimenters.



Efficient Filtration--Protect Environment

Organic filter, acid filter or mix filter can be optioned according to the type of waste liquid, which can efficiently adsorbed and filtered the exhaust gas discharged from the waste liquid container.

Level Detection--Anti-overflow & Anti-Explosion

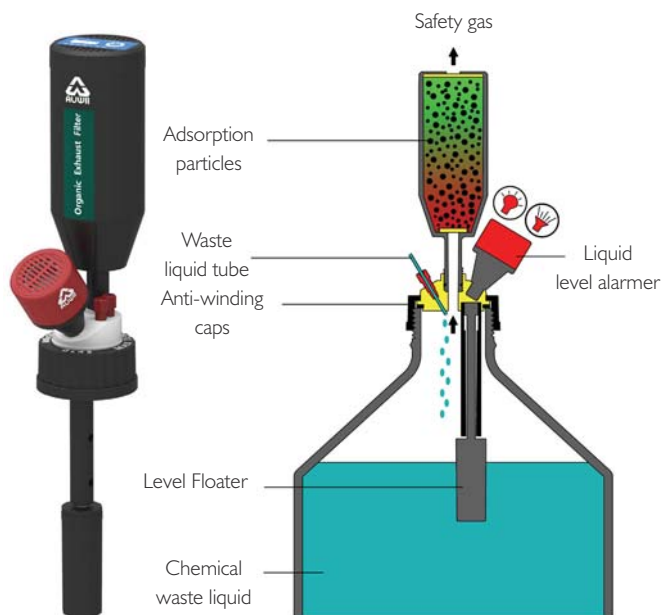
There are two types of liquid level detection and alarm methods can be chosen:

Sound and light alarmer:

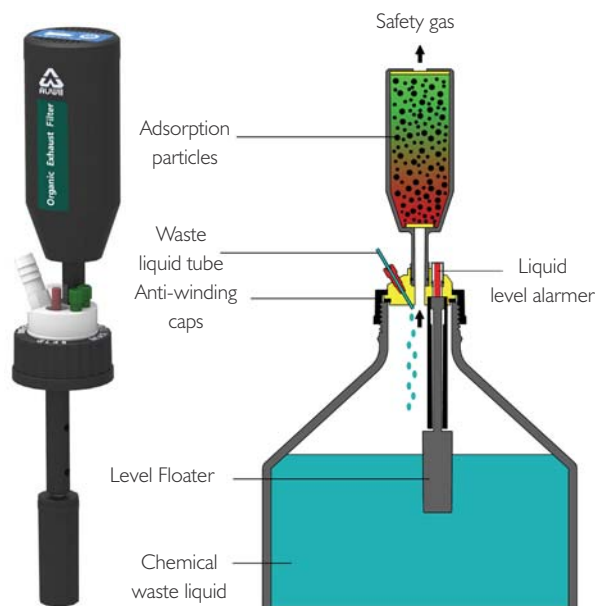
Patented leadless explosion-proof liquid level detection technology, when the liquid level reaches the alarm position, triggers a sound and light alarm. Without circuit lead connection between liquid level float and liquid level alarm, which achieves complete physical isolation and ensures safe use.

Liquid level indicator:

When the liquid level reaches a certain height, the red liquid level indicator floats will float up to prevent liquid overflow.












Schematic diagram of waste liquid collection with sound and light alarm



Schematic diagram of waste liquid collection with liquid level indicator

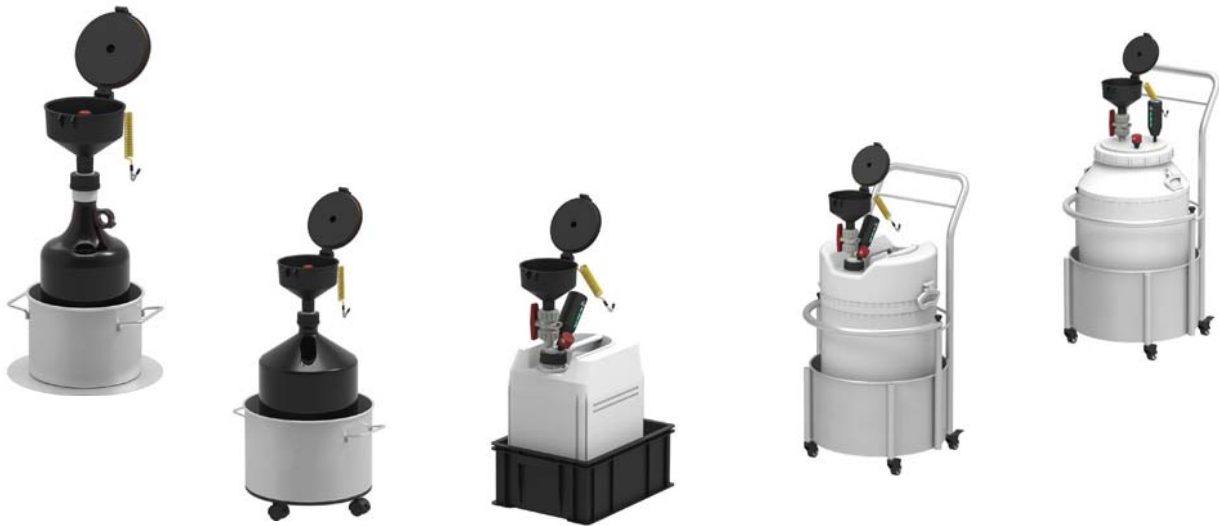
Profile	Model	Liquid level alarm mode	Bottle material
	PGL38-FC-4L	No	Brown glass
	PGL38-FCT-4L	Sound& Light Alarm	
	PGL40-FC-4L	No	
	PGL40-FCT-4L	Sound& Light Alarm	
	PGL45-FC-5L	No	Brown glass
	PGL45-FCT-5L	Sound& Light Alarm	
	PGL45-FC-10L	No	Brown glass
	PGL45-FCT-10L	Sound& Light Alarm	
	PGL38-FC-TO-4L For Shimadzu liquid chromatography toluene waste	No	Brown glass
	PPE54-FC-5L	No	HDPE material White translucent Or blue
	PPE54-FCT-5L	Sound& Light Alarm	
	PPE54-FC-10L	No	
	PPE54-FCT-10L	Sound& Light Alarm	

Profile	Model	Liquid level alarm mode	Bottle material
	PPE6 I-FC-15L	No	HDPE material White translucent Or blue
	PPE6 I-FCT-15L	Sound& Light Alarm	
	PPE6 I-FC-20L	No	HDPE material White translucent, blue, red, gray, green, yellow, black
	PPE6 I-FCT-20L	Sound& Light Alarm	
	PPE6 I-FC-25L	No	HDPE material White translucent Or blue、black
	PPE6 I-FCT-25L	Sound& Light Alarm	
	PPE6 I-FC-30L	No	HDPE material White translucent Or blue
	PPE6 I-FCT-30L	Sound& Light Alarm	
	PPE84-FC-25L	No	HDPE material White translucent
	PPE84-FCT-25L	Sound& Light Alarm	
	PPP100-FT	Sound& Light Alarm	PerkinElmer ICP-OES, ICP-MS Special sealing cover for waste liquid barrel

Profile	Model	Liquid level alarm mode	Bottle material
	PGL38-FCi-4L	Liquid level indicator	Brown glass
	PGL40-FCi-4L	Liquid level indicator	
	PGL45-FCi-5L	Liquid level indicator	Brown glass
	PGL45-FCi-10L	Liquid level indicator	Brown glass
	PPE54-FCi-5L	Liquid level indicator	HDPE material White translucent Or blue
	PPE54-FCi-10L	Liquid level indicator	
	PPE61-FCi-15L	Liquid level indicator	HDPE material White translucent Or blue 、 black
	PPE61-FCi-20L	Liquid level indicator	
	PPE61-FCi-25L	Liquid level indicator	
	PPE61-FCi-30L	Liquid level indicator	
	PPE84-FCi-25L	Liquid level indicator	HDPE material White translucent

Funnel type waste liquid collector

The funnel-type waste liquid collector is used for the waste liquid collection during the experiment. The exhaust gas filter efficiently adsorbs the harmful gas discharged from the waste liquid container. Liquid level alarm and liquid level indicator prevent liquid from overflowing. Various types of secondary containers prevent secondary pollution and meet regulatory requirements.



Efficient filtration--Protect Environment

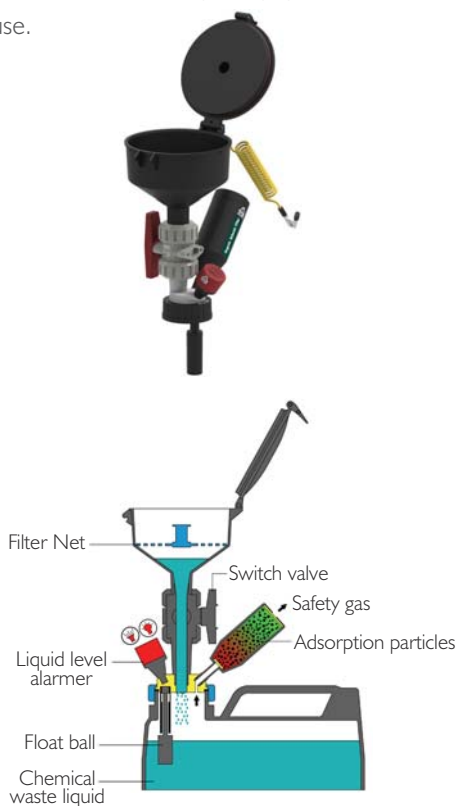
Different filters such as organic waster gas filter、acid waste gas filter or special filter can be optioned according to the type of waste liquid, which can efficiently adsorbed and filtered the exhaust gas discharged from the waste liquid container.

Level Detection--Anti-overflow & Anti-Explosion

There are two types of liquid level detection and alarm methods can be chosen:

Sound and light alarmer:

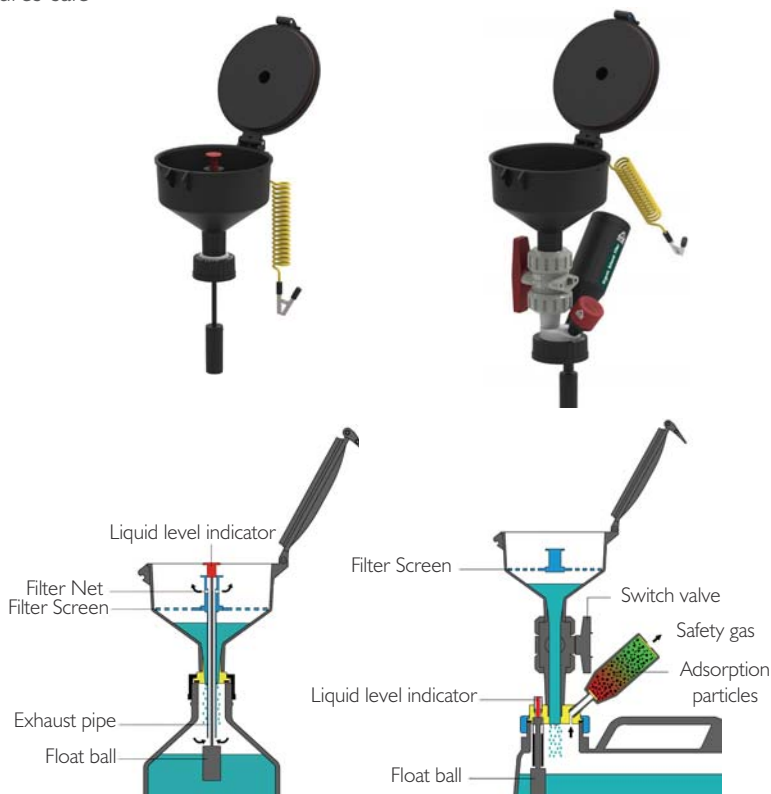
Patented leadless explosion-proof liquid level detection technology, when the liquid level reaches the alarm position, triggers a sound and light alarm. Without circuit lead connection between liquid level float and liquid level alarm, which achieves complete physical isolation and ensures safe use.







Schematic diagram of waste liquid collection with sound and light alarmer





Liquid level indicator:





When the liquid level reaches a certain height, the red liquid level indicator floats will float up to prevent liquid overflow.



Schematic diagram of waste liquid collection with liquid level indicator

Profile	Model	Liquid level alarm mode	Bottle material
	FPE61-VFC-15L	No	HDPE material White translucent Or blue
	FPE61-VFCT-15L	Sound& Light Alarm	
	FPE61-VFC-20L	No	HDPE material White translucent、 blue、 Red, gray, green Yellow, black
	FPE61-VFCT-20L	Sound& Light Alarm	
	FPE61-VFC-30L	No	HDPE material White translucent Or blue
	FPE61-VFCT-30L	Sound& Light Alarm	
	FPE610-VFC-60L	No	HDPE material White translucent Or blue
	FPE610-VFCT-60L	Sound& Light Alarm	
	FPE210-VFC-50L	No	HDPE material White translucent Or blue
	FPE210-VFCT-50L	Sound& Light Alarm	

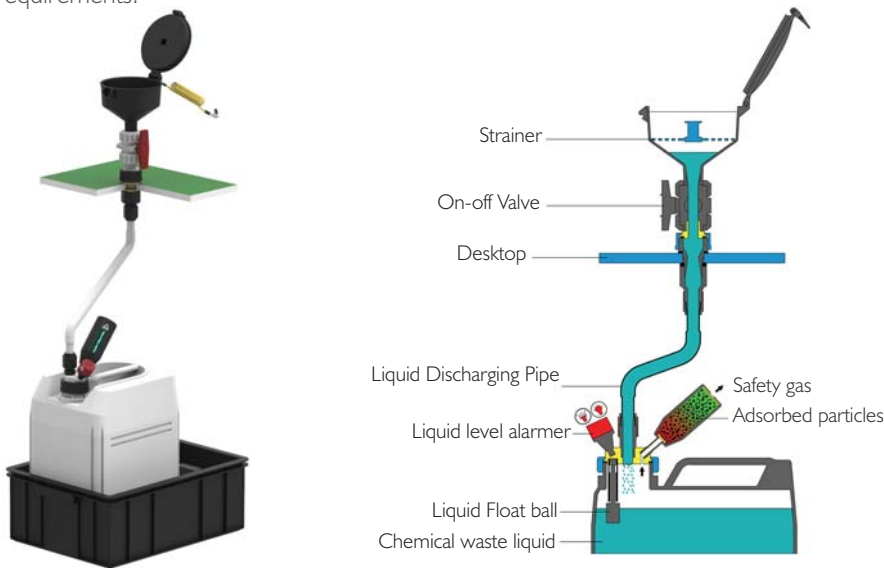
Profile	Model	Liquid level alarm mode	Bottle material
	FGL38-C-4L	No	Brown glass
	FGL38-Ci-4L	Liquid level indicator	
	FGL40-C-4L	No	
	FGL40-Ci-4L	Liquid level indicator	
	FGL45-C-5L	No	Brown glass
	FGL45-Ci-5L	Liquid level indicator	
	FGL45-C-10L	No	Brown glass
	FGL45-Ci-10L	Liquid level indicator	
	FPE54-FC-5L	No	HDPE material White translucent Or blue
	FPE54-FCi-5L	Liquid level indicator	
	FPE54-FC-10L	No	
	FPE54-FCi-10L	Liquid level indicator	

Profile	Model	Liquid level alarm mode	Bottle material
	FPE61-VFCi-15L	Liquid level indicator	HDPE material White translucent Or blue
	FPE61-VFCi-20L	Liquid level indicator	HDPE material White translucent, blue, red, gray, green, yellow, black
	FPE61-VFCi-30L	Liquid level indicator	HDPE material White translucent Or blue
	FPE61-VFCi-60L	Liquid level indicator	HDPE material White translucent Or blue
	FPE210-VFCi-50L	Liquid level indicator	HDPE material White translucent Or blue

Desktop Funnel-type Waste Liquid Collector

Desktop funnel-type waste liquid collector is installed on the desktop of the fume hood to facilitate the waste liquid pouring during the experiment. The waste liquid container is placed under the table of the fume hood and the waste is discharged into the container through PTFE pipeline.

The exhaust gas filter efficiently adsorbs harmful gas from the waste liquid container to protect the health of the experimenters. The liquid level alarm prevents the liquid from overflowing, and the secondary container prevents secondary pollution and comply with regulatory requirements.



Desktop Funnel-type Waste Liquid Collector Diagram

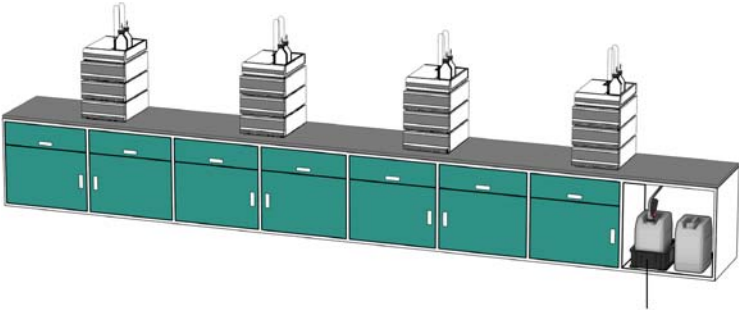
Profile	Model	Liquid Level Alarm	Filter	On-off Valve	Bucket Material
	DFPE6 I -C-20L	N/A	N/A	N/A	HDPE White translucent /blue/red/gray/green/ yellow/black
	DFPE6 I -VC-20L	N/A	N/A	YES	
	DFPE6 I -FC-20L	N/A	YES	N/A	
	DFPE6 I -VFC-20L	N/A	YES	YES	
	DFPE6 I -FCT-20L	Sound& Light Alarm	YES	N/A	
	DFPE6 I -VFCT-20L	Sound& Light Alarm	YES	YES	

Integrated waste liquid collection system

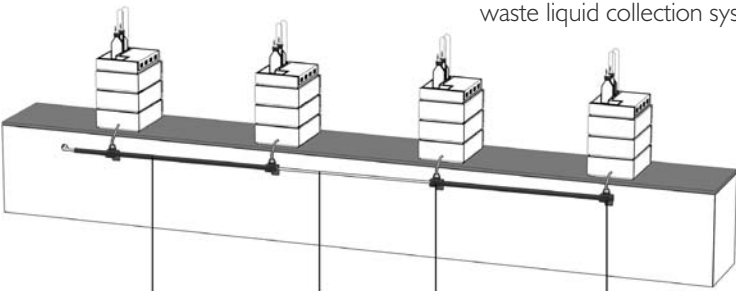
The integrated waste liquid collection system is mainly used for the centralized collection of lab instrument waste liquor which is discharged into the pipeline through the connection, and concentrated to the waste liquid collector. The integrated waste liquid system can reduce the number of waste container in the lab. Customized installation can be provided according to the space design of the lab instruments.



Integrated waste liquid collection system installed on the back panel of bench



waste liquid collection system

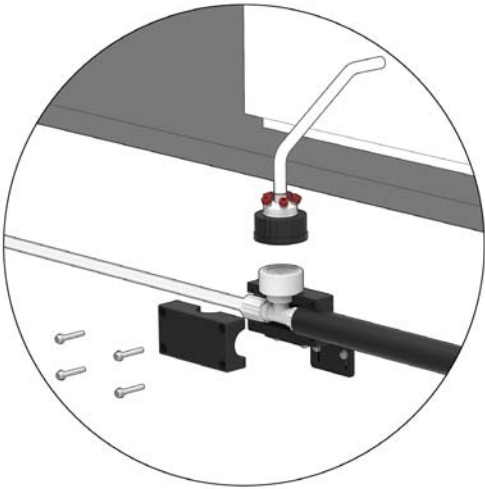


Aluminum protection tube

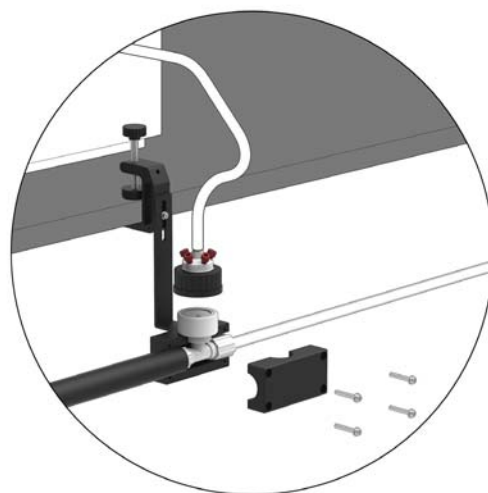
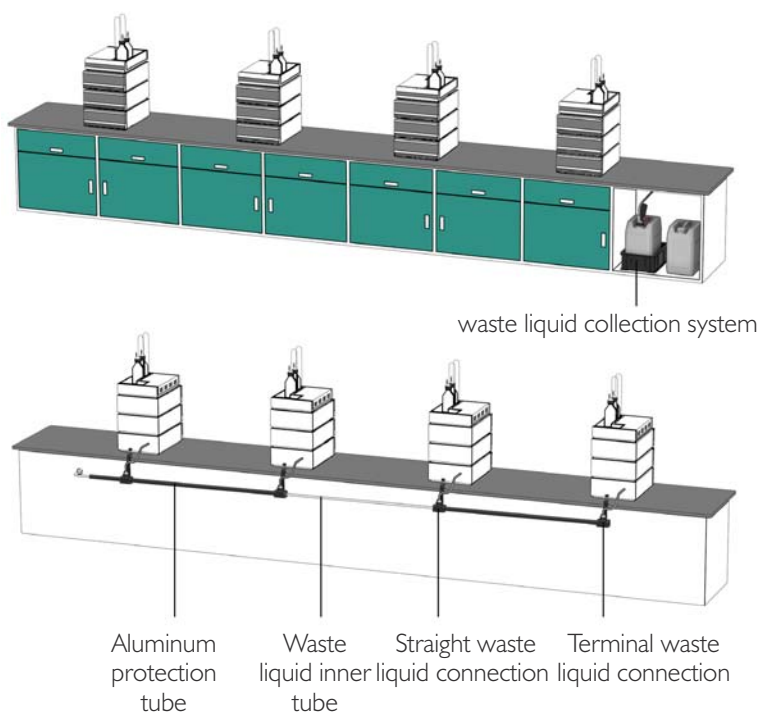
Waste liquid inner tube

Straight waste liquid connection

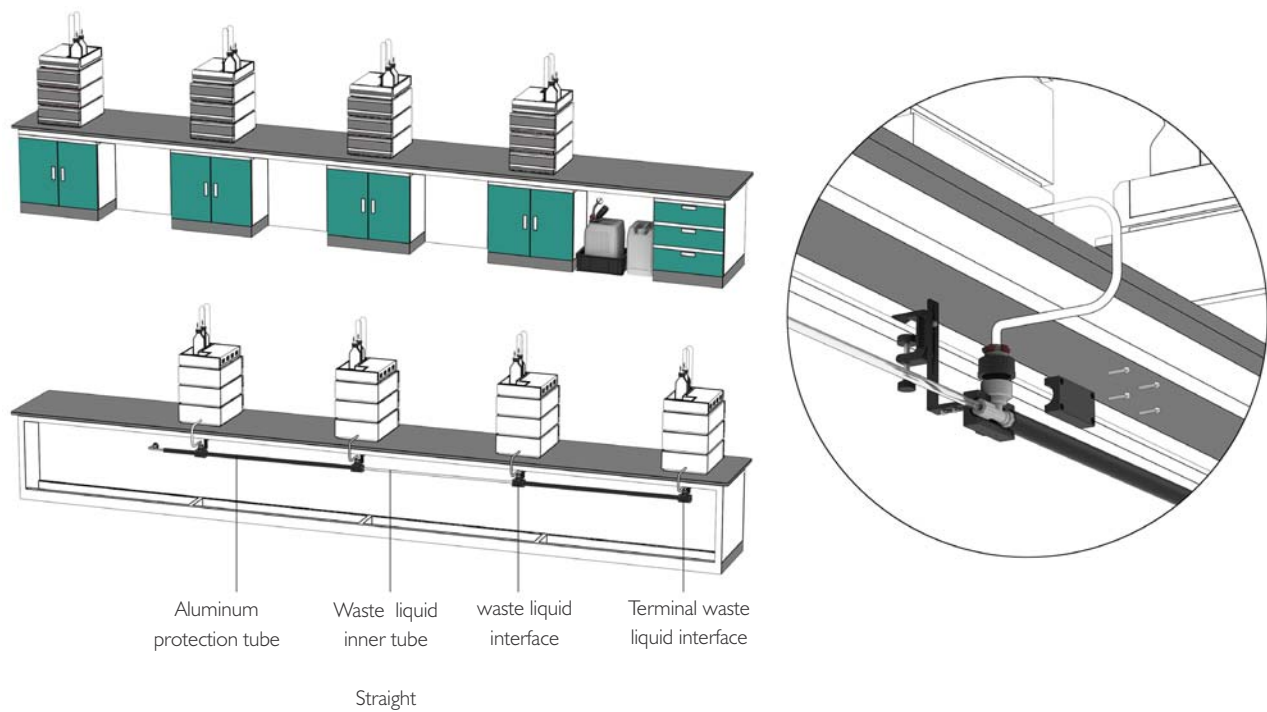
Terminal waste liquid connection



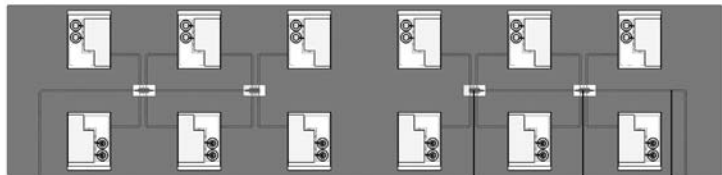
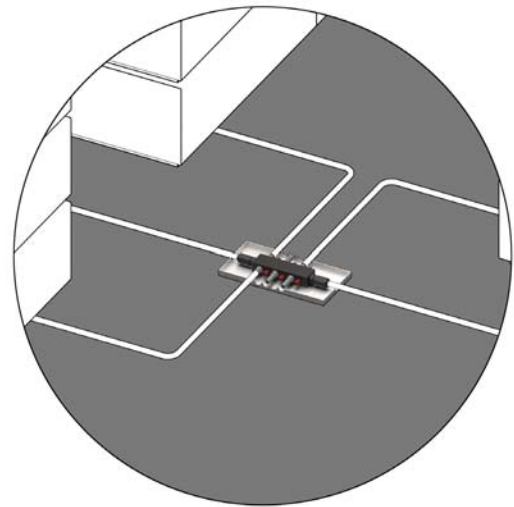
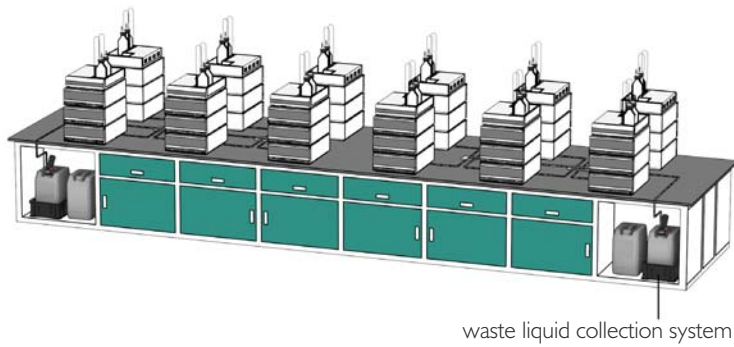
Integrated waste liquid collection system installed on the edge of bench



Integrated waste liquid collection system installed in the maintenance channel of test bench



Integrated waste liquid collection system installed on test bench



Terminal
waste liquid
connection

Straight waste
liquid connection

Waste
liquid tube



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Headquarters:

Beijing AUWII Science&Technology Co. Ltd.

Add: 4030, Building B, Hongfu International Innovation Center, Changping District, Beijing 102209

Tel: +86-10-81789901/9902

Fax: +86-10-81780367

Web: www.AUWII.com

Production Base:

AUWII Instrument Co. Ltd.

Add: 36-C Building, BlessGo Industrial Park, Yinbin North Road, Yanjiao District, Sanhe, Langfang, Hebei, China 065201

Tel: +86-316-5759716

Email : sales@auwii.com

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