



ILAB | ANALYTICAL LAB INSTRUMENTS
Catalogue –Rev 3.0



The background of the entire page is a close-up photograph of water droplets of various sizes on a glass surface. The droplets are in sharp focus, showing their spherical shape and the way they reflect light. The overall color palette is a range of blues and greys, from light, airy tones to darker, more saturated blues.

Rotary Evaporators

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Introduction.

The main products include glass reactor, water circulating vacuum pump, freeze drying machine, rotary evaporator, low temp., cooling liquid circulating pump and so on. Our company has become a pacesetter of the lab instruments.

The Lab instruments are set new standards for safety, efficiency and ease of use. Great attention is paid to the issue of safety, from the Basic version upwards. The comprehensive safety features also include interval operation, smooth start, end position recognition for the evaporator piston, and a timer function. The digital version also provides a digital temperature display and an RS 232 interface. For fully automated distillation, we offer the control version complete with integrated vacuum controller, USB interface and graphical display.

 **1 Year
Warranty** *

* glassware and wearing parts
excluded



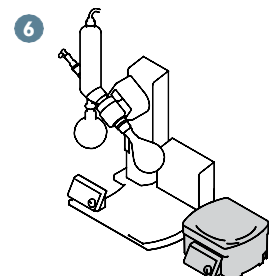
ILAB

Rotary Evaporator

High Recovery
Good Air-tightness
Reasonable Structure

Overview of components

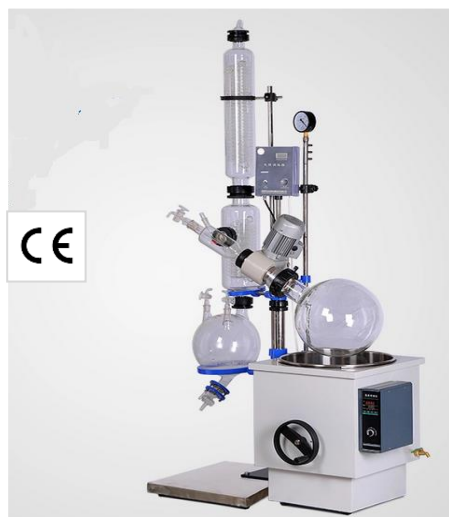
- 1 Vertical glassware (other options available)
- 2 Various flask sizes
- 3 Vacuum connection plus Woolf bottle
Highly solvent-resistant PTFE seal
- 4 Adjustable safety stop
- 5 Two displays for optimal view
- 6 Heating bath can be used separately
ergonomic carrying handles on heating bath
- 7 Can be moved by 150 mm to accommodate
different flasks
- 8 Motorised height-adjustable lift
Lift raised automatically in case of power outage
- 9 Choice of angle



ILAB - LARGE VOLUME ROTARY EVAPORATOR

The basic and digital system

05



ILAB –RE SERIES (Large)

Rotary evaporators are distillation units that incorporate an efficient condenser with a rotary flask system. As the flask containing the solvent is rotated it continually transfers a thin layer of liquid over the entire inner surface. This gives a very large surface area for evaporation that is effected by heating from the accessory water or oil bath.

The rotary evaporators are suitable for continuous and discontinuous distillation under normal pressure or in a vacuum, have the advantage of providing careful thermal treatment of temperature sensitive mediums. It is one of the necessary basic instruments in the chemical industry, pharmaceutical industry, universities and research laboratories and other units etc.

Features

1. International advanced EL gas-tight system keeps high vacuum degree. Gas-liquid separator, no reflux.
2. Double condenser, collection rate over 95%.
3. The rotating flask is easy to install and setup.
4. There is a discharge valve, fast to collect solvent.
5. Continuous feed are available. (Inlet Valve)
6. Water bath, intelligent PID temperature controller, and can be lifted up and down. Electric lifting can be customized according to factual demands.
7. Explosion-proof system is optional.
8. Built-in transmission system, frequency conversion speed regulation, stable and reliable speed.
9. Explosion Proof System is optional
10. 110V/60Hz can be customized



1. International copper wire
2. Continuous operation and stable
3. CE Approved

Technical Parameter

Model	R- 10 Series	R- 20 Series	R-50 Series
Evaporating Flask (L)	10	20	50
Receiving Flask (L)	5	10	20
Motor Power (W)	180		250
Rotating Speed (r/min)	0-120		0-90
Lifting Mode	>3	>5	>9
Condenser Cooling surface (m ²)	0.57	1	1.5
Vacuum Degree (mpa)	0.098		
Sealing mode	PTFE Sealing System		
Water bath Configuration	Waterbath Lifting or Electric hoist		
Water Bath Power (kW)	3	5	7 9
Static temperature Control range (Deg C)	0-99 (250)		
Temp Fluctuation / Resolution (Deg C)	+_1 1		
Condenser	Vertical double Condenser		
Voltage (V/Hz)	220 50/60		220 50/60 380 50/60
Note	Customized Configure available		

ILAB – SMALL VOLUME ROTARY EVAPORATOR

06 The fully compactable rotary evaporator



ILAB –RE SERIES (Small)

Rotary evaporators are distillation units that incorporate an efficient condenser with a rotary flask system. As the flask containing the solvent is rotated it continually transfers a thin layer of liquid over the entire inner surface. This gives a very large surface area for evaporation that is effected by heating from the accessory water or oil bath.

Features

1. International advanced EL gas-tight system keeps high vacuum degree. Gas-liquid separator, no reflux.
2. Double condenser, collection rate over 95%.
3. The rotating flask is easy to install and setup.
4. There is a discharge valve, fast to collect solvent.
5. Continuous feed are available. (Inlet Valve)

Technical Parameter

Model	R-20D Series	R- 30D Series	R- 50 D Series	R-52 D Series
Evaporating Flask (L)	1/24#(0.25-2L)	3	5	1/24#(0.25-2L)
Receiving Flask (L)	0.25-1L/24#	2	3	0.25-1L/24#
Motor Power (W)	40(step less speed regulation)			
Rotating Speed (r/min)	0-120			
Water (oil) bath power (W)	1200		1500	
Temp Control mode range (Deg C)	Intelligent Digital /RT-399			RT-99
Temp resolution (Deg C)	+_1			
Evaporation Rate (L/H, H2O)	≥1	≥1.5		≥1
Max Vacuum Degree (Mpa)	0.098			
Lifting Height (mm)	0-150	0-120		0-150
Water Bath Size (cm)	24*15	26*15	28*17	24*15
Condenser	Vertical with charge pipe, large condenser, Evaporating pipe			
Lifting mode	Water/Oil Bath Manual lifting		Screw Rod manual	Automatic Lifting
Voltage (V/Hz)	220 50/60			
Sealing mode	PTFE, Fluoro Rubber sealing			

ILAB –MOTOR AUTOMATIC LIFTING ROTARY EVAPORATOR

The fully Automatic rotary evaporator

ILAB –RE SERIES (Automatic)

Rotary evaporators are distillation units that incorporate an efficient condenser with a rotary flask system. As the flask containing the solvent is rotated it continually transfers a thin layer of liquid over the entire inner surface. This gives a very large surface area for evaporation that is effected by heating from the accessory water or oil bath.

The rotary evaporators are suitable for continuous and discontinuous distillation under normal pressure or in a vacuum, have the advantage of providing careful thermal treatment of temperature sensitive mediums. It is one of the necessary basic instruments in the chemical industry, pharmaceutical industry, universities and research laboratories and other units etc.

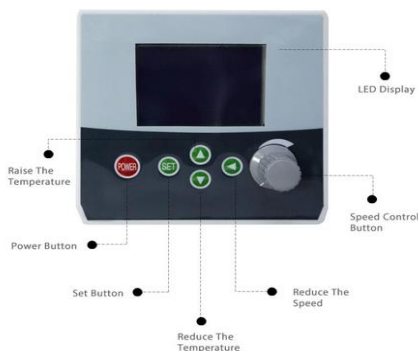
Features

1. International advanced EL gas-tight system keeps high vacuum degree.
Gas-liquid separator, no reflux.
2. Double condenser, collection rate over 95%.
3. The rotating flask is easy to install and setup.
4. There is a discharge valve, fast to collect solvent.
5. Continuous feed are available. (Inlet Valve)
6. Borosilicate Glass & Rapid separation alarm
7. Reliable Sealing
8. Fast Heating & Liquid crystal Control panel



Intelligent Control System

Digital temperature display, precise temperature control, simple interface, easy operation.



Technical Parameter

Model	R-20A Series	R- 30B Series	R- 20E Series
Evaporating Flask (L)	2L 29#Conical Ground joint		
Receiving Flask (L)	1L Ball Grinding Mouth		
Motor Power (W)	40		
Rotating Speed (r/min)	NO Polar 0-120	Digital display 0-120	LCD 0-120
Lifting Mode	Motor Automatic Lifting		
Lifting Height (mm)	0-140		
Water Bath Power (kW)	1.5		
Condenser	Double Backflow integration standard condenser		
Voltage (V/Hz)	220 50/60		
Bath Temp Control range (Deg C)	RT-99		
Water bath Size (mm)	230*130		
Evaporation Rate (L/H, H2O)	≥1		
External Size (mm)	550*420*780		

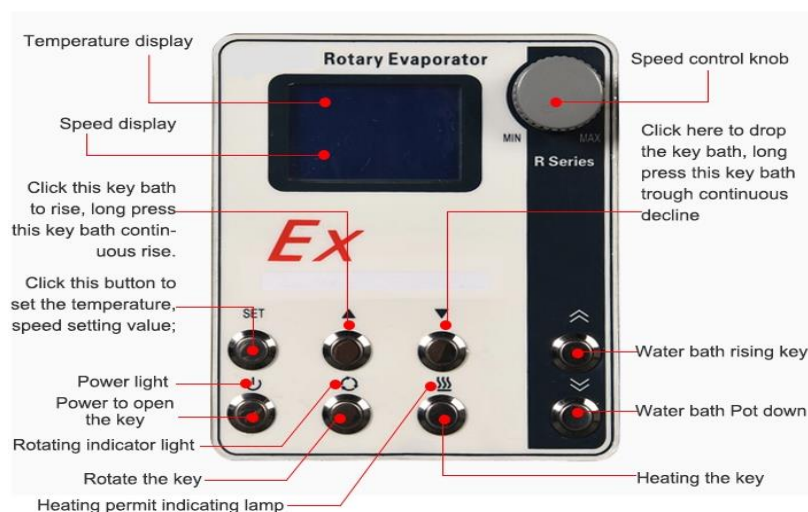
ILAB –EXPLOSION PROOF ROTARY EVAPORATOR

The Complicated operational Rotary evaporator

ILAB –RE SERIES (EX-Proof)

Rotary evaporators are distillation units that incorporate an efficient condenser with a rotary flask system. As the flask containing the solvent is rotated it continually transfers a thin layer of liquid over the entire inner surface. This gives a very large surface area for evaporation that is effected by heating from the accessory water or oil bath.

The rotary evaporators with Explosion Proof device, can prevent flammable and explosive gases from the environment in to the electrical box, prevent and reduce the accident , ensure the experiment will be safe and smooth



Technical Parameter

Model	EX-R-10Series	EX-R- 20 Series	EX-R- 50Series
Evaporating Flask (L)	10	20	50
Receiving Flask (L)	5	10	20
Motor Power (W)	180		370
Rotating Speed (r/min)	0-120		0-90
Vacuum Degree (Mpa)	0.098		
Condenser Cooling Surface (m ²)	0.57	1.0	1.5
Water Bath Power (kW)	3	5	7 9
Condenser	Vertical Double Condenser		
Voltage (V/Hz)	220 50/60		
Static Temp Control range (Deg C)	0-99(250)		
Water bath Size (mm)	230*130		
Evaporation Rate (L/H, H ₂ O)	≥1		
Sealing Mode (mm)	PTFE Sealing System		

OVERVIEW – ROTARY EVAPORATOR

Glassware accessories

Set of glassware, protective cover



Clip

- All Flanges are clamped and Patented For demolition, good sealing and high temperature resistance



Double Coil

- All glass in GG-II without Bubble type, High Definition
- Double -Layer coil, Large Evaporation area and good condensation effect



Pan Lifting Integrated

- Built in cantilever type electric lift, stop switch, prevent the oil pan from touching the rotating screen
- Stainless Steel bath with silicone layer, insulation prevent burns



High Borosilicate Glass

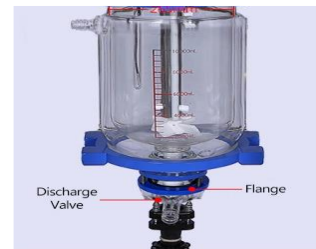
- Temp Range: -100 to 400 Deg C
- High Acid & Alkali resistant
- High Temperature resistant & High strength and hardness
- Feed rapidly ,no residual & easy Cleaning

ILAB – JACKETED GLASS REACTOR



The Glass Reactor Jacketed is designed for synthetic reaction of different types of materials in a controlled temperature and vacuum environment. Each reactor features adjustable stirring speeds and a constant pressure feeding funnel that allows you to add material to the vessel at a uniform and controlled speed. The built-in condenser makes it possible to recover some materials, also at a controlled rate of speed. Jacketed glass reactor is designed double level glass. The reaction material is put in to the inner which can be stirred in the interbed with different cold and hot medium (refrigerating fluid, hot water and hot oil), do some heat circulations and cooling reactions. Under the constant temperature and ordinary pressure, as well as negative pressure, stirring reaction can be done in seal glass reactor, also back flow, distillation etc

Detail Description: Structure Features



Constant Pressure Funnel

- Temp range -100 to 400 Deg C
- High Acid & Alkali resistant, High Temperature resistant, High strength & hardness
- Feed rapidly, No residual & easy Clean

Stirring Shaft

- Anti-corrosion abrasion resistant, High Strength & high tightness
- Stirring shaft is made of SS and coated by PTFE

Big Bottle Mouth & Glass Discharge Valve

- 265mm large bottle mouth design, easy to clean & feed in
- Materials only touching with glass parts and PTFE

Features

- GG17 high borosilicate glass. Resistant to strong acidic, properties of materials, experiment temperature -80 to 250Deg C
- Stirring mechanical sealing, keeps higher Vacuum degree
- Glass (PTFE) Discharge valve, non-dead angle mixing, fast emptying, no residue
- The Cover is easy to disassemble, clean & install
- Frequency control speed gear motor, smooth running, high torque, automatic booster, no spark, noise free, long life

Technical Parameter

Model	S-1L	S-2L	S-3L	S-5L	S-10L	S-20L	S-30L	S-50L	S-100L
Stirring Power (W)	60				120				180
Stirring speed (rpm)	0-600 (max.1300)								
Stirring Shaft diameter (mm)	12								15
Reaction Flask capacity (L)	1	2	3	5	10	20	30	50	100
Voltage (V/Hz)	220v/50Hz								
Motor Torque (g/cm)	2000	2400		4800	1000	1200		1500	3000
Note	Floor type				304 SS Frame				

ILAB – SINGLE LAYER GLASS REACTOR

Single Layer Glass reactor is closed equipment which can do all kinds of biochemical and synthesis reactions-distillation, reflux, strings etc, at a constant temperature conditions. There are two kind of heating method: water/oil heating bath and heating mantle:

1L-50L Kettle: Circular type
80L-100L kettle: Cylinder type

Features

- Frequency Control , Ac induction motor, Digital Display and constant rotary speed, no brush, no spark, safe and stable and continuous working
- Overall Stainless steel frame structure is stable and reliable
- The Brake casters are convenient and reliable for moving
- PTFE drain valve is without dead corner to release solid and liquid material from the bottom
- LCD display is easier and convenient to measure temperature
- Ex Proof Series is also available
- Customized Configuration is available



Note: We have Customized Option for Stainless Steel Reactors...
Ex Proof Jacketed Reactors are available with Ancillary equipments

Technical Parameter

Model	FS-1L	FS-2L	FS-3L	FS-5L	FS-10L	FS-20L	F S-30L	FS-50L	F S-100L
Stirring Power (W)	60				120				180
Stirring speed (rpm)	0-1000				60-600 (max.1300)				
Stirring Shaft diameter (mm)	12								15
Reaction Flask capacity (L)	1	2	3	5	10	20	30	50	100
Voltage (V/Hz)	220v/50Hz								
Motor Torque (g/cm)	2000	2400		4800	1000	1200		1500	3000
Note	Floor type				304 SS Frame				
Heating Power (kW)	0.5	0.8	1.2	1.5	3	4.5		6	9
Heating mantle Power (kW)	0.53	0.65	0.73	1.1	2.1	3	3.8	5	-
Temperature Using Range	RT-250 RT-350								

ILAB – SHORT PATH DISTILLATION UNIT

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Short-path distillation is a distillation technique that involves the distillate travelling a short distance, often only a few centimeters, and is normally done at reduced pressure. A classic example would be a distillation involving the distillate travelling from one glass bulb to another, without the need for a condenser separating the two chambers. This technique is often used for compounds which are unstable at high temperatures or to purify small amounts of compound. The advantage is that the heating temperature can be considerably lower (at reduced pressure) than the boiling point of the liquid at standard pressure, and the distillate only has to travel a short distance before condensing. A short path ensures that little compound is lost on the sides of the apparatus.

The Short Path Distillation Machine is widely used in Pharmaceutical industry, laboratory fractional distillation and purification, essential oil/CBD oils extraction; etc. The short path distillation is mainly used for enrichment, crystallization, drying, separation, drug, solvent recycling, biopharmaceutical industry and others. Under vacuum conditions, it is heated at a constant speed by constant heating to form a large-area thin film on the cylinder wall to increase the evaporation efficiency.

Application:

Laboratory vacuum distillation plants are used in R&D Labs, in pilot applications, and for full-scale industrial mass production

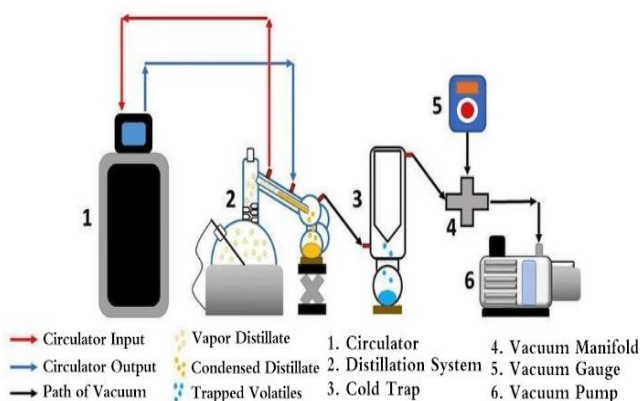


ILAB – SHORT PATH DISTILLATION UNIT

Features

- High quality and heavy duty Borosilicate 3.3 glass for durability.
- Vacuum-jacketed distillation adapter, with 4 Vigreux stages.
- 10L heating mantle with magnetic stirring function, available in 220V.
- Detachable plastic 3/8”(10mm) hose bars for maximized safety during operation.
- Carefully designed 3-way cow adapter accommodates up to 3 pcs of 1000mL flasks.
- TGCT-01 cold trap protects the vacuum pump from contamination and damage of vapors.
- Flexible choice of vacuum pumps and heater/chillers.

Distillation Flow Chart



Vacuum-jacketed distillation adapter, with 4 Vigreux stages.



Detachable plastic 3/8”(10mm) hose bars for maximized safety during operation.

Carefully designed 3-way adapter accommodates up to 3 pcs of 500mL flasks.

Cold trap protects the vacuum pump from contamination and damage of vapors.



Technical Parameter

Model	DS-2L	DS-5L	DS-10L	DS-20L
Voltage (V)	220V/50 Hz			
Dimension (L*W*H)	650*470*550		1450*500*480	650*470*550
Certification	CE ISO			
Material	High Borosilicate Glass			
Vacuum Degree	0.098Mpa			
Water Bath Power	180w	120 w	120w	180w
Receiving Flask	500MI & Customizable			
Sealing	PTFE			

ILAB – REFRIGERATED CIRCULATORS

Smart Chiller Equipment's solutions

14

Low-temperature circulating pumps also known as Small Water Chiller Equipment. This device adopt mechanical refrigeration, the main function is provide low temperature liquid, low temperature water bath. It can also connect with rotary evaporator, vacuum freeze drying oven, cycle water vacuum pump, and magnetic stirrer and so on, to achieve the chemical reaction or drug store under low temperature condition.

Features

- (1) Air-cooled and hermetically sealed compressor units (import) with dependable quality;
- (2) The dedicated and high-quality relays, protective devices and capacitors of the refrigerating units;
- (3) Digital Read Out of temperature and microprocessor controller for temperature, simple and easier to see;
- (4) It can be matched with a variety of instruments (rotary evaporators, fermentation tanks, chemical reactors, freeze-drying equipment's, pharmaceutical reactors, etc.);
- (5) Bigger cooling capacity and faster cooling speed, which have greatly improved the working efficiency;

Technical Parameter

Model	4/15 SB-DL
Storage Volume (L)	4
Low temperature range (Deg C)	-15
Refrigerating Capacity (W)	550~275
Coolant	R134
Rated Power (w)	230
Rated Voltage/ Frequency	220/ 60 Hz
Max input Current	1.2A
Pump Flow rate	15 L/3m
Max Working Pressure	3.0mpa
Max Allowable Pressure of heat Exchanger	3.0mpa
Dimensions	400*280*540

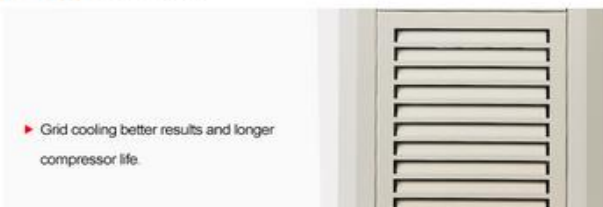


Point 1 ▶ Imported compressor



- ▶ Compressors and other key parts are from hundred years of French TECUMSEH brand.
- ▶ 60Hz is more suitable and better stability for foreign voltage.
- ▶ The compressor is equipped with overload and overheat protection.
- ▶ Compressor plus 404 freon.

Point 2 ▶ Grid cooling



- ▶ Grid cooling better results and longer compressor life.

Point 3 ▶ Coil evaporator



- ▶ Chrome-plated surface, corrosion-resistant, beautiful and long-lasting gloss.

Circulating water multipurpose vacuum pump is the latest designed vacuum pump model with circulating water as working fluid, and it adopts jet technology to create negative pressure. It is not only a kind of vacuum suction device, but also supplies cooling water to the reaction device at the same time. It has the non-oil, free-pollution, and anti-corrosion, low noise, easy to move and so on features.

Application;

It provides vacuum condition for evaporation, distillation, crystallization, drying, distillation, filtration pressure, vacuum degassing experiments. Especially suitable for colleges and universities, research institutes, chemical, pharmaceutical, biochemical, food, pesticides, agricultural engineering, biological engineering etc industries' scientific research, pilot and production.



Features

- ◆ One machine with multi-pipe operation, where three sets (five sets) of air exhauster are fixed and can be used independently or parallelly, compared with desktop pump, swept volume is bigger, applied to large swept volume vacuum needs.
- ◆ Corrosion resistance, free-pollution, stable performance, low noise and durable.
- ◆ The tank is made from Polyvinyl chloride plastics, free-pollution; The shell adopts stainless steel material or static spring plastic.
- ◆ Host stainless steel movement and anti-corrosive movement models.
- ◆ The water-line target, light shows high, medium and low.
- ◆ 4 trundles make the movement easily
- ◆ The air exhauster, three links, check valve, suction nozzle are made of PTFE, anti-acid and alkali.
- ◆ Pump body and impeller are made of corrosion protection polypropylene.
- ◆ Special customized motor by well-known manufacturers, fluorine rubber mechanical seal to keep no corrosive gas into the motor.
- ◆ There are several sets pumping system inside the pump. Three or five sets taps are installed in this model, alone or in parallel. Compared with desktop pump, it has larger amount of exhaust, in particular suitable for big device's demands.



Fig 1.1 Five way –Tube joint

Technical Parameter

Model	CH0	CH0-C	CH-B95
Power (W)	370		
Voltage (V/Hz)	220/50		
Flow (L/Min)	80		
Body material	1cr18	Polypropylene	Anti-corrosive
Lift (m)	12		
Max Vacuum (MPa)	0.098		
Sucking Rate For Single tap (L/Min)	10		
Quantity of Suction air hole (Pcs)	5	3	5
Tank Capacity (L)	50		
Remark	Equipped with 10L,20L,50L glass reactor or rotary evaporator, the vacuum degree is better when the water temperature is between 4 & 10 degree Celsius		

System accessories

16 Vacuum pump -Circulating desktop type

Anti-corrosive lab Circulating Vacuum Pump adopts one modeling shell, small size on the basis of multi-purpose vacuum pump. It has small volume, light weight, beautiful appearance etc characters. Double-meter, double-tap pump and four-meter four-tap, double-side multi-purpose pumps are easy to do visual experiment for teacher as well as to turn off and on for students at any side.

Features

- (1) Double taps, two vacuum meters, alone or in parallel.
- (2) Newly improved anti-corrosion four taps, with four vacuum meters, alone or in parallel.
- (3) Motor material: stainless steel or anti-corrosion material.
- (4) Corrosion resistance pump, free-pollution, low noise and move easily. Vacuum regulator is available according to customer's needs.
- (5) Accommodate four people for chemical test, reduces the cost, and also saves the space.
- (6) To prevent it to work long hours after high temperature, vacuum degree is reduced, specially add ice hole to add ice when water temperature too high vacuum degree reduced.
- (7) Reasonable design, compact structure, security encapsulation.
- (8) Absorb the harmful gas, environmental friendly, to ensure physical and mental health.
- (9) Resistance to acid and alkali solvent
- (10) Special customized motor by well-known manufacturers, fluorine rubber mechanical seal to keep no corrosive gas into the motor.
- (11) Water circulation to save precious water resources.

Structure Design & Overview

Desktop Circulating water Vacuum pump with two meter double tap & Anti-corrosion pump heads



Circulating Switch with indicator for ON/Off options

All Copper Core coil motor; 180W high power Motor High temperature resistance, long working life



Technical Parameter

Model	Double Gauge /Double Tap	Four Gauge /Four tap
Power (W)	180	370
Voltage (V/Hz)	220/50	
Flow (L/Min)	60	
Body material	Anti-corrosive	
Lift (m)	8	
Max Vacuum (MPa)	0.098	
Sucking Rate For Single tap (L/Min)	10	
Quantity of Suction air hole (Pcs)	2	4
Tank Capacity (L)	15	
Remark	Equipped with 2L,5L glass reactor or rotary evaporator, the vacuum degree is better when the water temperature is between 4 & 10 degree Celsius	

System accessories


Vacuum pump –Rotary Vane type




IVac series rotary vane vacuum pump can be used independently, which also can be as booster pump, diffusion pump, molecular pump and titanium pumps pre-pump. Also used as electronic devices produce, vacuum drying, filtration, welding, metal smelting, etc.

Features


1. The 2XZ series rotary vane vacuum pump belongs to two stage direct connection structure rotary vane vacuum pump, which can be used for drying, sealing the container and other ancillary pumping air or net vacuum equipment's.
2. It has the advantages of small size, light weight, low noise, convenient for using and more.
3. The 2XZ series Rotary Vane Vacuum Pump cannot be used as the compression type delivery pump.




Dust and water sealing strong



Better resistant to steam



Built-in pressure Circulating system oil



Reduce vibration Low noise



Visual oil watch Observation room
Convenient observation
Oil shortage detection can done easily

Special Air Valve
Prevent Mixing
Extension of time



Technical Parameter

Model	2ZX-0.5	2ZX-1	2ZX-2	2ZX-4
Exhausting Speed (L/S)	0.5	1	2	4
Ult Vacuum (Pa)	Without gas ballast	6*10 ⁻²		
	With gas ballast	6.5	1.33	
Rotary Speed (r/min)	1400			
Voltage (v)	220			
Motor Power (kW)	0.18	0.25	0.37	0.55
Inlet Diameter (mm)	16		25	
Temp .Rise of pump oil (Deg C)	40			45
Oil capacity (L)	0.5	0.55	0.8	0.1
Size (W*D*H, mm)	445*130*254	467*130*254	488*145*280	528*145*280
Noise (Db)	60			

VACUUM DRYING OVEN

18 Vacuum Oven, Hot Air Oven

Vacuum Oven is some of the most rugged Vacuum ovens available today. Each oven features over temperature protection and an easy to read vacuum gauge. The doors on these units have positive latch handles with spring loaded glass to facilitate a good vacuum seal without hinge binds that shorten the gasket life. It can handle heat-sensitive or oxygen-sensitive etc substances & materials

Features

- Cuboids chamber maximizes the effective cubage. Microprocessor controller for temperature ensures a precise and reliable control.
- Dual-layer bulletproof toughened glass door ensures absolutely clear observation on objects in chamber.
- Shutting extent of oven door is adjustable. Closed-cell silicon gasket ensures a high vacuum degree in oven.
- The chamber is made of stainless steel (or wire-drawing sheet), which allows a durable service.
- Storage, heating, testing and drying are all in an environment without oxygen or filled with inert gases, which ensures no oxidation.
- Minimum heating time is over 50% less than that of traditional vacuum drying oven.



Structure Features & Functional Design

- Reduces energy Consumption by as much 20% when compared to previous model, unique door designed to reduce heat emissions entering your work space
- Large, Easy to read display, simple temperature setting with intuitive user interface
- Automatic, audible visual over temperature alarm, low surface temperatures
- 110V/60Hz is available

Intelligent Control

Temperature controller

with timer function to ensure precise and reliable temperature control.



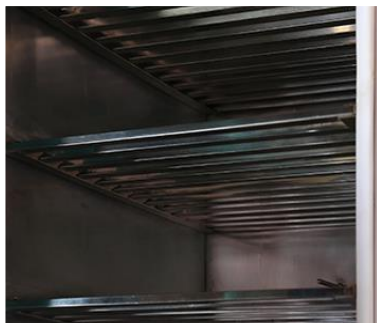
VACUUM DRYING OVEN

Vacuum Oven, Hot Air Oven

Technical Parameter

Model	6020	6021	6050	6051	6090	6210
Power Supply	220V/50 HZ					
Consumer Power	300W		1000W		1200W	2160W
Ambient temperature	+5-40 Deg C					
Temperature range	50-180 Deg C	50-150Deg C	50-250Deg C	50-200Deg C	50-250Deg C	
Temperature Control	0.1Deg C					
Temperature fluctuation	+_1.0 Deg C					
Vacuum degree	133 pa					
Material of Chamber	1Gr18Ni9Ti	08F	1Gr18Ni9Ti	08F	1Gr18Ni9Ti	1Gr18Ni9Ti
Work Chamber dimensions	300*300*275 mm		415*345*370 mm		450*450*450mm	560*640*600mm
Over all dimensions (W*D*H)	590*410*460 mm		710*510*540 mm		610*610*1400mm	720*800*1550mm
Shelves Per Chamber	2				2	3

Product Features



304 Stainless Steel shelves

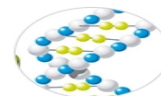
- Three Shelves
- Anti-corrosion durable
- Good Toughness
- High Temperature resistance



Large Volume Chamber

- Cuboid Chamber maximize effective volume
- Anti-corrosion durable
- Good Toughness
- Natural Convection & forced Air Circulation

Application Areas



Biological



Pharmaceutical



Chemical Industry



Herbs



Designed
to work perfectly

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