

# JeIoTech

2025~2026 Catalog

**Creating Safe &  
Reliable Research Environment**



**JeIoTech**

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Lab Essentials

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# JEIOTech, Your Lab Companion

Founded in 1988, Jeio Tech has been dedicated to developing high-quality laboratory and reliability testing equipment for customers worldwide. With decades of expertise in temperature, humidity, and motion control technology, we provide innovative solutions for research and testing across various industries, including physics, chemistry, and material reliability assessment. Our fully integrated value chain—from product development and manufacturing to sales, validation, and after-sales support—ensures consistent quality and reliability.



01

## Sheet Metal Working

Producing a variety of products based on automation equipment.



02

## Powder Painting

Maintaining automated painting facilities and strict quality standards



03

## Assembly Process

Systematic processes such as instruments, electricity, control, and refrigeration



04

## Total Inspection

100% inspection of all products produced

<Highly-qualified, large-scale facility enables streamlined production and timely delivery.>

Jeio Tech operates a 29,752 m<sup>2</sup> production facility in Korea and serves customers through five domestic and international sales offices, including a branch in the United States and Japan.

Committed to global quality standards, Jeio Tech has obtained certifications such as ISO 9001, ISO 13485, CE, UL, and CSA. Moving forward, we remain focused on delivering advanced and reliable laboratory solutions, supporting researchers and industries in achieving their goals.



< Headquarter in Daejeon, Korea >



< Key certification and memberships >



< Jeio Tech Worldwide >

## Customized Products

Jeio Tech is a trusted manufacturer of laboratory and reliability testing equipment, offering customized solutions to meet diverse testing needs. To better serve our customers, we established the Special Product Division, dedicated to designing and manufacturing tailor-made equipment optimized for specific test requirements. This division consists of a technical sales team, providing expert consultation, and a design and manufacturing team, delivering precise solutions to ensure seamless testing processes. With extensive expertise, we have successfully collaborated with leading global companies, including Samsung SDI and LG Chem. With decades of accumulated manufacturing experience, Jeio Tech continues to grow alongside our customers, delivering high-quality, customized testing solutions worldwide.



Temperature test chamber for Fire suppression type



Multi-drawer type oven



Altitude simulation test chamber



Walk-in chamber type temp. & humid. chamber

## LC Connected Real-time mobile control and monitoring system

LC Connected is a system that connects the lab's research device to a single network, allowing the experimenter to operate the device more efficiently. Experimenters can check the condition of their devices anytime, from any location via the mobile app. They can reduce time taken for device managing thanks to check the operation status of registered devices at once, so it makes concentrate on more important works.

- Access to the Cloud Server via Wi-Fi or wired LAN.
- Control devices in real time monitoring and two-way communication via Lab Companion mobile application.
- LC GreenBox is available to connect up to 4 devices via RS-232 port.
- Needs to connect PC when sets the network connection at first only.

※ We will continue to expand Lab Companion equipment with a PC interface.  
(Supported from Android 6.0 Marshmallow version and above, iOS 12.0 and above.)



LC GreenBox



LC Connected Mobile App

## LC DataKeeper A solution to prepare for GMP audits

LC DataKeeper is a Jeio Tech's proprietary software that complies with FDA 21 CFR Part 11 regulations following the ALCOA Plus guidelines. It supports **digital records, digital signs, and user access management**, including audit trails for the equipment.

Jeio Tech's equipment can be connected to LC DataKeeper to digitally record all experimental data. Only data approved by administrators through digital signatures can be recorded and exported, and permissions can be set differently by user. In addition, data can be viewed in real-time and automatic backup prevents data loss.



Screenshot of LC DataKeeper connected to equipment

### LC DataKeeper supported Equipment

We will continue to develop and expand the types of equipment that can be connected.



Ovens (OF4, ON4, OV4)



Incubator (IB4)



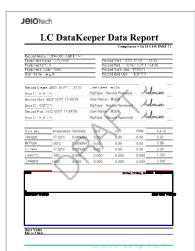
Refrigerators (CLG3, PSR3)



Temp. & Humid. Chamber (TH3)  
Heating & Cooling Chamber (TC3)



Biosafety Cabinet (JB)

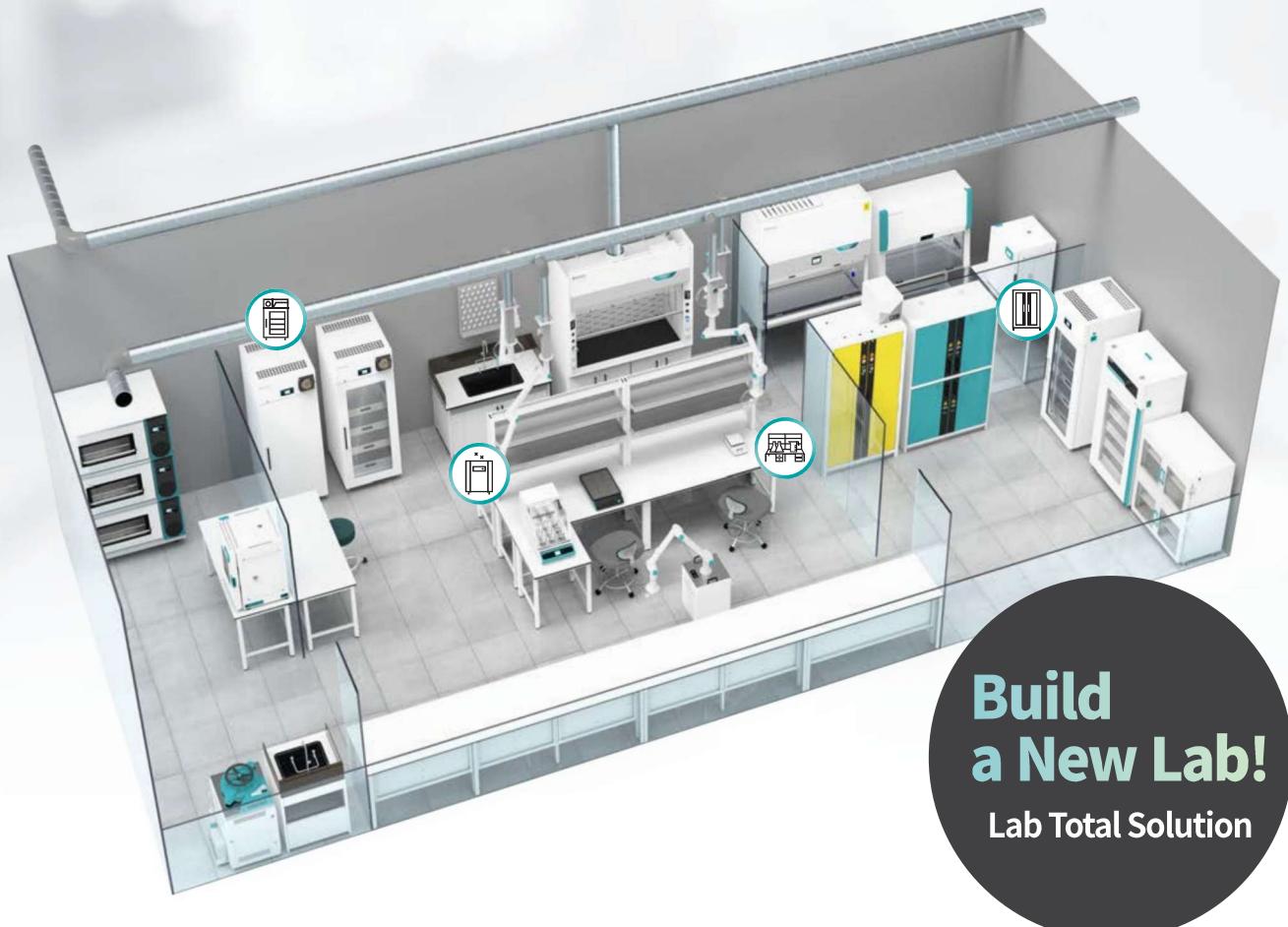


Digitally signed validation document

# Build a New Lab!

Do you need help to set your new lab?  
or Do you have a plan to move the lab?

Jeio Tech is your trusted Lab Companion, providing solutions for scientific success.  
We are dedicated to supporting researchers in achieving meaningful results.



## One stop purchasing

Discover a full range of high-quality solutions at Jeio Tech.



### Laboratory Equipment

Oven & Incubator  
Shaker & Incubated Shaker  
Bath Circulator  
Heating Bath  
Chiller (Recirculating Cooler)  
Stirrer & Mixer  
Autoclave



### Biosafety Cabinet & Clean Bench, Fume Hood

Biosafety Cabinet  
Clean Bench  
PCR Workstation  
UV Sterilization Cabinet  
Ductless Fume Hood  
Mobile Fume Extractor



### Safety Storage & Cabinet

Fire Safety Storage Cabinet  
Acid/Corrosive Cabinet  
Filtering Storage Cabinet  
Gas Cylinder Cabinet  
Multiple Drawer Cabinet  
Dry Cabinet & Desiccator



## Laboratory set up and design, from layout drafting to product installation

The laboratory is not enough to be set up by simply placing furniture and equipment in a room, experience and knowledge are required to select the most suitable products for the workflow and experimental conditions along with safety considerations to create the best laboratory environment.

Jeio Tech has over 3 decades of history in the laboratory equipment manufacturing industry with accumulated know-how and delivery performance to provide customers with optimized solutions from selecting the basic equipment, workspaces, laboratory furniture, safety cabinets, etc. to drafting laboratory layouts using specialized software to protect the safety of users and create a pleasant laboratory environment.



### Refrigerator & Freezer

Laboratory Refrigerator  
Laboratory Freezer  
Pharmaceutical Refrigerator



### Lab Essentials

Plastic Ware  
Safety Product



### Environmental Test Equipment

Temp. & Humid. Chamber  
Heating & Cooling Chamber  
Heating Chamber



# Bath Circulator



## Refrigerated & Heating Bath Circulator



CE



CE

### Refrigerated & Heating Bath Circulator Program type

- Programmable temperature control.
- LCD color touch screen.

Working Temp. Range

-35 ~ 150°C

Temp. Stability at -10°C

± 0.05°C

Bath Volume

5L / 10L / 20L / 30L

Model

RW3-P

### Refrigerated & Heating Bath Circulator General type

- Various temperature range and capacity.
- Smart refrigerating system.

Working Temp. Range

-35 ~ 150°C

Temp. Stability at -10°C

± 0.05°C

Bath Volume

5L / 10L / 20L / 30L

Model

## Heating Bath Circulator



CE



CE

### Heating Bath Circulator Program type

- Programmable temperature control.
- LCD color touch screen.

Working Temp. Range

Amb. +10 ~ 150°C

Temp. Stability at 50°C

± 0.05°C

Bath Volume

5L / 10L / 20L / 30L

Model

CW3-P

### Heating Bath Circulator General type

- Suitable for precise temperature testing above ambient temperature.
- Temperature deviation alarm.

Working Temp. Range

Amb. +10 ~ 150°C

Temp. Stability at 50°C

± 0.05°C

Bath Volume

5L / 10L / 20L / 30L

Model

### Program Type (RW3-P, CW3-P)

- Setting and saving 10 programs.
- Up to 10 steps can be set per program.
- Set time up to 99 hours and 59 minutes per step.
- Program repetition possible up to 99 times.
- Time set for increasing / decreasing temperature.
- Pre-heating possible before starting program.
- Displays and controls the status of the device through the computer interface.



# Chiller (Recirculating Cooler)



## Ambient temp. type



## Low temp. type



### Chiller(Recirculating Cooler)

HX general type

- Representative recirculating cooler suitable for general use.
- Minimized on/off operation of compressor.

Temperature Stability	± 1.0°C
Working Temp. Range	+ 3 ~ 40°C
Max. Cooling Capacity	8.1 kW at 20°C
Pump Capacity	Max. 40L/min. 6 bar
Model	HX

### Chiller (Recirculating Cooler)

HL low-temperature general type

- Recirculating cooler for low temperature range.
- Easy checking the pump status by pump pressure gauge.

Temperature Stability	± 1.0°C
Working Temp. Range	-20 ~ 40°C
Max. Cooling Capacity	7.1kW at 20°C
Pump Capacity	Max. 70 L/min. 6 bar
Model	HL

## Low / High temp. precision type



### Chiller (Recirculating Cooler)

HH high-temperature precision type

- Wide temperature range.
- Precise control with +0.1°C stability by PID temperature control.

Temperature Stability	± 0.1°C
Working Temp. Range	-20 ~ 80°C
Max. Cooling Capacity	6.5kW at 20°C
Pump Capacity	Max. 70 L/min. 6 bar
Model	HH

### Chiller (Recirculating Cooler)

Compact type

- Easy installation and moving with compact design.
- Optimized for use with rotary evaporators.

Temperature Stability	± 1.0°C
Working Temp. Range	-10 ~ 30°C
Max. Cooling Capacity	580W at 20°C
Pump Capacity	Max. 26 L/min. 0.7 bar
Model	RC

## Proven Reliability & Reproducibility

### Made and tested according to international standards.

- Meets safety requirements, including electrical safety standards for chillers. (Recirculating Cooler)
- Conduction of device performance tests required as per the standards to provide reliable product performance.
- Verified test results provided as specification to allow for selection of the suitable model for the user.

## Customized Recirculating Cooler

### Customized design, production and installation services with optimized performance for your application.

- Temperature range and stability.
- Cooling capacity and heat absorption ability.
- Pump capacity and configuration in/out.
- Reasonable convenient safety system.
- Controller & data processing.

# Heating Bath & Cold Trap Bath



## Heating Bath



CE



CE

### Heating Bath

General type

- Temperature calibration & timer.
- Low water level limiter.

Temp. Range	Amb. +7 ~ 100°C
Bath Volume	3.5L / 11.5L / 20L
Model	BW3-G

### Heating Bath

Agitator type

- Circulation of solution by an agitator.
- Independent temperature control for each bath.

Temp. Range	Amb. +5 ~ 100°C
Bath Volume	3.5L & 3.5L / 3.5 & 11.5L / 11.5L & 11.5L / 11.5L & 20L
Model	BW-H

## Heating Bath, Visible



CE

## Heating Bath, Shaking



CE

RoHS

NEW

### Heating Bath

Visible type

- Convenient for internal observation.
- Easy to measure viscosity.

Temp. Range	Amb. +5 ~ 150°C
Bath Volume	25L / 40L
Model	VB

### Heating Bath

Shaking type

- Visual monitoring and control of RPM during operation.
- Minimizes evaporation by using the mounted gable cover when operating at high temperatures and prevents condensed water from falling onto specimen.

Temp. Range	Amb. +5 ~ 100°C
Bath Volume	17L / 26L / 37L / 55L
Model	BS2

## Cold Trap Bath



### Cold Trap Bath

- Capture moisture, organic solvents etc. into vacuum pump.
- It can be used in bath that requires low temperature.

Temp. Range	Down to ~40°C
Bath Volume	4.8L
Model	CTB-10

# Oven & Furnace



## Forced Convection



**Forced Convection Oven**  
Program type

- Intuitive touch screen controller.
- Advanced control features, also easy program settings.

**Forced Convection Oven**  
Advanced type

- Fan speed optimization technology.
- Graph generation to visualize both stored and real-time data.

**Forced Convection Oven**  
Standard type

- Provide the same performance as OF4-V, OF4-P type.
- Includes safety device as standard.

**Forced Convection Oven**  
Large type

- Large capacity of max. 760 L / 26.8 cu ft.
- Max. 300°C program/general control.

Temp. Range	Amb. +10 ~ 250°C
Chamber Volume	26L / 61L / 112L / 147L
Model	OF4-P / OF4-PW

Temp. Range	Amb. +10 ~ 250°C
Chamber Volume	26L / 61L / 112L / 147L
Model	OF4-V / OF4-VW

Temp. Range	Amb. +10 ~ 250°C
Chamber Volume	26L / 61L / 112L / 147L
Model	OF4-S / OF4-SW

OF3, OF3-W, P, PW : Amb. +15 ~ 200°C
OF3-H, HW, HP, HPW : Amb. +15 ~ 300°C
314L / 450L / 760L

OF3 / OF3-W, P, PW, H, HP, HW, HPW (Large)

## Forced Convection



## Natural Convection



NEW



NEW

**Forced Convection Oven**  
4-Chambers type

- Space saved chamber.
- Built-in casters for easy moving and installation.

**Natural Convection Oven**  
Standard type

- Practical oven focused on basics.
- Safety function included as standard.

Temp. Range	Amb. +10 ~ 200°C
Chamber Volume	240L (60L x 4 Chamber)
Model	OF-02G-4C

**Natural Convection Oven**  
Advanced type

- Most representative natural convection type.
- Uniform temperature with multi-path airflow.
- Suitable for drying powder samples.

Temp. Range	Amb. +15 ~ 250°C
Chamber Volume	26L / 58L / 110L / 147L
Model	ON4-V / ON4-VW

## Vacuum Oven



NEW

## Muffle Furnace



**Vacuum Oven**

- Product optimized for vacuum drying.
- Uniform temperature distribution of  $\pm 1.5^\circ\text{C}$  at 100°C.

**Muffle Furnace**

- Stable high temperature experiments at 1100°C.
- Program / General type.

Temp. Range	Amb. +15 ~ 250°C
Chamber Volume	28L / 65L
Model	OV4 / OV4-S

**Vacuum Oven System Station**

- A dedicated table perfect for vacuum drying setting.
- Compact and convenient structure.

Temp. Range	Max. 1100°C
Chamber Volume	3.0L / 4.5L / 12.0L
Model	MF2-GF / MF2-G

# Incubator



## Incubator



NEW



NEW



### Incubator (Forced / Air-jacket)

Advanced type

- Various models by heat transfer method.
- Provide the most stable control environment.

Type	Forced convection / Air-jacket
Temp. Range	Amb. +5 ~ 80°C
Chamber Volume	25L, 60L, 111L, 146L / 25L, 60L, 114L, 150L
Model	IB4 / IB4-A

### Incubator (Forced / Air-jacket)

Standard type

- Various models by heat transfer method.
- Practical incubator focused on basics.

Type	Forced convection / Air-jacket
Temp. Range	Amb. +5 ~ 80°C
Chamber Volume	25L, 60L, 111L, 146L / 25L, 60L, 114L, 150L
Model	IB4-S / IB4-AS

### Incubator (Forced Convection)

Mini type

- Compact design.
- Simple control with touch button.

Type	Forced Convection
Temp. Range	Amb. +5 ~ 65°C
Chamber Volume	10L
Model	IM

## Incubator



### Incubator (Forced Convection)

2-chambers type

- 60L capacity for each chamber.
- Independent temperature control for each chamber.

Type	Forced Convection
Temp. Range	Amb. +5 ~ 70°C
Chamber Volume	120L (60L x 2)
Model	IB-02G-2C

### Incubator (Forced Convection)

4-chambers type

- Independent temperature control for each chamber.
- Built-in casters for easy moving and installation.

Type	Forced Convection
Temp. Range	Amb. +5 ~ 70°C
Chamber Volume	240L (60L x 4)
Model	IB-02G-4C

### Plant Growth Chamber

- Auto-tuning for temperature/humidity.
- Lighting provided by plant-friendly lamps.

Temp. Range	5 ~ 50°C (10~50°C: Lamp on / 20 ~ 50°C: with humidity)
Illumination Range	0 to 20000 lux
Chamber Volume	300L / 300L
Model	GC-300TL / 300TLH
	GC-1000TLH

## Low Temperature Incubator



### Low Temperature Incubator

General type

- Provides low temperature culture environment like BOD experiment.
- Internal power outlet included as standard for easy operation of small products.

Type	Forced Convection
Temp. Range	0 ~ 80°C
Chamber Volume	150L / 242L
Model	IL3

### Low Temperature Incubator

Air-Jacket type

- Minimizes medium getting dried by air-jacket type.
- Prevention of frost by automatic defrosting at all times.

Type	Natural Convection (Air-Jacket)
Temp. Range	4 ~ 70°C
Chamber Volume	156L / 254L
Model	IL3-A

### Low Temperature Incubator

Personal type

- Low temperature control by using electronic cooling element (Peltier Module).
- Convenient use by minimized vibration and power consumption.

Type	Forced Convection
Temp. Range	10 ~ 40°C (Amb. 25°C)
Chamber Volume	14L / 48L
Model	ILP

### Low Temperature Incubator

Multi type

- 150L capacity for each chamber.
- Independent temperature control for each chamber.

Type	Forced Convection
Temp. Range	0 ~ 60°C
Chamber Volume	300L (150L x 2) / 600L (150L x 4)
Model	IL-11-2C / IL-11-4C

# Incubated Shaker



## Incubated Shaker



### Incubated Shaker

Tabletop type

- Optimized for use on bench top.
- Convenient internal observation.

### Incubated Shaker

Stackable type

- Double-stacked for space saving.
- Includes internal power outlet, and 2ea shelves are provided as standard.

### Incubated Shaker

Floor type

- Strong DD motor for large shaking capacity agitation.
- Large capacity up to 5ea x 6 L flasks at the same time.

Temp. Range	Amb. +5 ~ 80°C	Amb. -15 ~ 80°C (min. 15°C)
Max. Speed	20 ~ 500 rpm	20 ~ 500 rpm
Motion Type	Orbital	Orbital
Max. 250mL Flask	~ 20 ea	~ 20 ea
Model	IST	IST-R

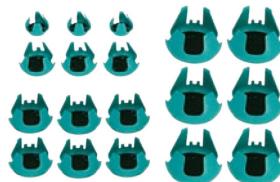
Amb. +5 ~ 80°C	Amb. -20 ~ 80°C (min. 4°C)
20 ~ 500 rpm	20 ~ 500 rpm
Orbital	Orbital
~ 24 ea	~ 24 ea
ISS	ISS-R

Amb. +5 ~ 80°C	R: Amb. -20 ~ 80°C
30 ~ 300 / 500 rpm	30 ~ 300 / 500 rpm
Orbital	Orbital
~ 39 ea	~ 39 ea
ISF	ISF-R

## Incubated Shaker



## Accessories



### Incubated Shaker

Multi-stackable type

- Maximum triple-stacked for space saving.
- Strong DD motor for large capacity.

For the first-time users  
**Starter Kit** (option)

- Consisting of plastic clamps that are commonly used on Universal platform.
- 50 ml, 100 ml, 250 ml, 500 ml, 1L, 2L

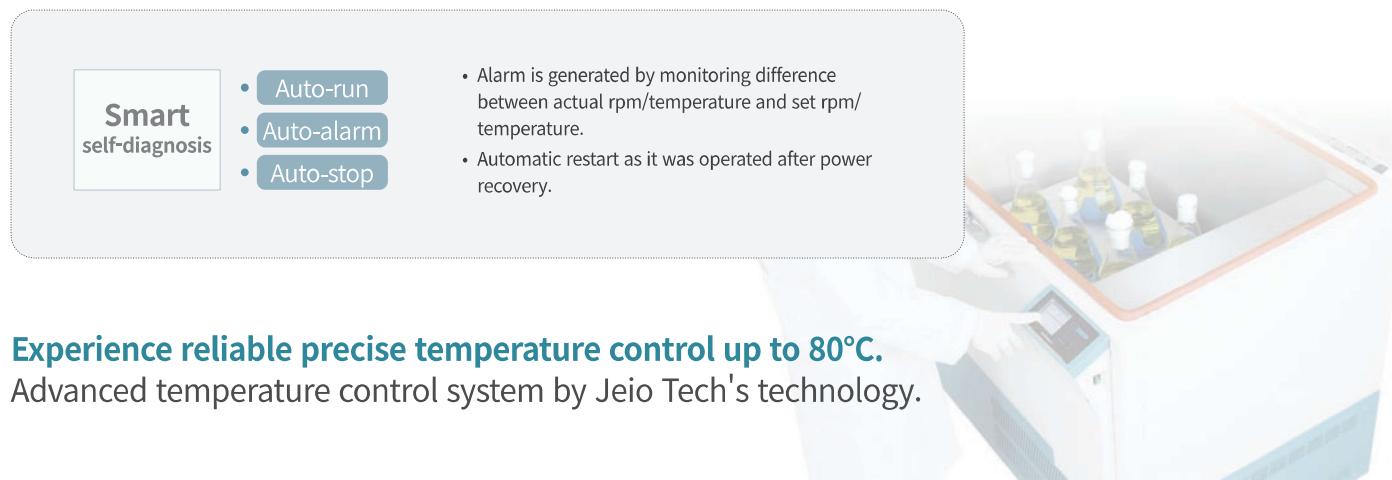
Temp. Range	Amb. +10 ~ 80°C	Amb. -20 ~ 80°C(min. 4°C)
Max. Speed	30 ~ 300 / 400 rpm	30 ~ 300 / 400 rpm
Motion Type	Orbital	Orbital
Model	ISS	ISS-R

\* Lowest temp. : 4°C

### Smart self-diagnosis

- Auto-run
- Auto-alarm
- Auto-stop

- Alarm is generated by monitoring difference between actual rpm/temperature and set rpm/temperature.
- Automatic restart as it was operated after power recovery.



## Experience reliable precise temperature control up to 80°C.

Advanced temperature control system by Jeio Tech's technology.

# Shaker



## Open Shaker



### Shaker Dual Action type

- Provides powerful shaking.
- Orbital/Reciprocal motion selection.

### Shaker General type

- Powerful DD motor for large-capacity shaking.
- Structure prevents the sample from flowing into inside.

### Shaker Program type

- Program control mode.
- Mounts the large capacity of samples.

### Shaker Compact type

- Easy to use as a small shaker.
- It can be used inside of another chamber. (Amb. 2-60°C)

Motion Type	Orbital / Reciprocating		
Speed Range	20 ~ 500 rpm / 20 ~ 450 rpm*		
Max. 250ml Flask Capacity	~8 ea	~14 ea	~24 ea
Model	OS-2000	OS-3000	OS-4000

\*OS-4000 reciprocal rpm range

## Shaker



### Microplate Shaker

- Suitable for sample mixing for microplates, tubes etc.
- Tube rack as optional accessory.

### Rocking Shaker

- Easy to adjust angle of motion from 7° to 13°.
- Up to 99 hours timer function.

### Waving Shaker

- Easy to adjust angle of motion from 0° to 13°.
- It can be used inside of another chamber. (Amb. 2-60°C)

### Rotator

- Easily adjustable angle up to 90°.
- Large quantities sample could be mixed at once when loading 2-stage disk.

Motion Type	Orbital
Speed Range	150 ~ 1200 rpm
Capacity	Microplate x 4 ea
Model	CPS

Motion Type	Rocking
Speed Range	5 ~ 100 rpm
Capacity	276 x 276 mm
Model	CRS

Motion Type	Waving
Speed Range	8 ~ 100 rpm
Capacity	276 x 276 mm
Model	CWS

## Accessories



## Funnel Shaker



## Heating Shaker



### Funnel Shaker

- Powerful up and down reciprocal motion.
- Adjustable shake tilt (0~20°) to achieve high mixing efficiency at low rpm.
- 4 holders are provided as basic, 10 holders can be mounted in max. (Depends on the funnel size.)

### Heating Shaker

- Rapid and accurate control of temperature.
- Optional block according to kinds of sample.

Motion Type	Vertical & Inclined reciprocating (0 ~ 20°)
Speed Range	Vertical 30 to 300rpm / Inclined 30 to 250rpm
Capacity	Separated Funnel 500ml x 6 ea in max.
Model	RS-2

Temp. Range	Amb. +5~100°C
Motion Type	Orbital
Max. Speed Range	150 ~ 1500 rpm
Model	CBS

For the first-time users  
**Starter Kit** (option)

- Consisting of plastic clamps that are commonly used on Universal platform.
- 50 ml, 100 ml, 250 ml, 500 ml, 1L, 2L

# Hotplate & Magnetic Stirrer



## Hotplate & Magnetic Stirrer



### Hotplate & Magnetic Stirrer

Digital type

- Precise temperature control by external temperature sensor.
- Multiple overheating protection devices.

Max. Temp. Range	Top Plate, Max. 350°C
Max. Speed Range	30 ~ 2000 rpm
Timer	<input type="radio"/>
Stirring	<input type="radio"/>

Model

TS

### Hotplate & Magnetic Stirrer

Analog type

- Structure prevents the sample from flowing into inside.
- Fast stirring speed control with real time response.

Top Plate, Max. 350°C
Max. 2000 rpm
<input type="radio"/>
<input type="radio"/>
TM

### Hotplate

Digital type

- Top plate coated with white ceramic for excellent corrosion resistance.
- Warning displayed when top plate is 50°C or more.

Top Plate, Max. 350°C
-
<input type="radio"/>
-
T

## Magnetic Stirrer



### Magnetic Stirrer

Digital type

- Maintains accurate speed with feedback control even when sample viscosity and amount change.
- Timer & Program operation function.

Control Type	Digital
Speed Range	30 ~ 2000 rpm
Timer & Program	<input type="radio"/>
Model	MS-G

### Magnetic Stirrer

Analog type-Round

- Quick control of stirring with real time response.
- Provides Silicon-based top plate cover.

Analog
150 ~ 2500 rpm
-
MS-B

## Multi Position Type



### Magnetic Stirrer

Multi Position type

- 6 models provided with max. 15 positions.
- 4 kinds of stirring control mode.
- (All, Column, Row, Point)

Control Type	Digital
Temp. Range	-
Speed Range	30 ~ 2000 rpm
Model	MS-M

### Hotplate & Magnetic Stirrer

Multi Position type

- 4 kinds of stirring control mode and timer. (All, Column, Row, Point)
- 2 model provided with 9/15 position.

Digital
Top Plate, Max. 120°C
30 ~ 2000 rpm
MS-MH

## Heating Block



### Heating Block

for Round Bottom Flask & Vial

- Mounted on the hotplate, heating the samples in a round flask or vial safely.

-
Max. 300°C
-
RBP, RBI, VBP, VBI

※ Available volume for flask: 25ml~2L, for vial: 4ml~40ml.

# Overhead Stirrer & Vortex Mixer



## Overhead Stirrer



### Overhead Stirrer

Prestige touch type

- BLDC motor and color LCD display.
- External controller and PC control for remote operation.

Display	LCD Touch	LCD Touch
Speed Range	50 ~ 1200 rpm	50 ~ 2000 rpm
Viscosity, Max. (cP)	30000 (~1200 rpm) 50000 (~700 rpm)	5000 (~2000 rpm) 50000 (~300 rpm)
Timer	○	○
Best Effort Mode	○	○
Model	MSH-0512	MSH-0520

### Specialized external controller

- Device is controlled conveniently apart from fume hood.
- Checking control status in real time and controls start/stop or stirring speed changes.
- Color LCD touch display for intuitive and easy control.



## Overhead Stirrer



### Overhead Stirrer

High performance type

- Safety function for over temperature and overload protection.
- Convenient use through the computer interface.

Display	Digital
Speed Range	80 ~ 2000 rpm
Viscosity, Max. (cP)	5000 (~2000 rpm) 50000 (~200 rpm)
Timer	-
Best Effort Mode	○
Model	MSD

### Overhead Stirrer

Easy control type

- Easy control model optimized for simple use.
- Safety function for over temperature and overload protection.

Display	Digital
Speed Range	80 ~ 2000 rpm
Viscosity, Max. (cP)	5000 (~2000 rpm) 50000 (~200 rpm)
Timer	-
Best Effort Mode	-
Model	MSA

### Magnetic Drives

- Full sealing of reaction container.
- Cooling line as standard.

- Max. Torque: 6 kgf·cm
- Driving Pressure:  $1 \times 10^4$  mmHg to 5 kg/cm<sup>2</sup>
- Driving Temp. (with Cooling): Max. 300°C

MD

## Vortex Mixer



### Vortex Mixer

- Convenient use with easily interchangeable accessories.
- Intuitive and convenient operation.

Motion Type	Orbital
Speed Range	Max. 3000 rpm
Operating Mode	Touch, Run-L, Run-H
Model	VM-96T

### Vortex Mixer

- Stable motion by its low-profile with small foot print.
- 3 operation mode according to use.

Motion Type	Orbital
Speed Range	Max. 3000 rpm
Operating Mode	Touch, Run-L, Run-H
Model	VM-96A

# Life Science Equipment



## Heating Block



CE



CE RoHS Compliant



CE RoHS Compliant Orbital

### Heating Block

- Precise temperature control which can be set in units of 0.1°C.
- Optional block depend on tube size.

- Temp. Range: Amb. + 5 ~ 130°C
- Uniformity at 80°C: ± 0.5°C

Model: CHB-S / CHB-T

### Heating & Cooling Block

- Timer & program operation function.
- Precise and stable temperature control.

- Temp. Range: Amb. - 20 ~ 95°C
- Uniformity at 37°C: ± 0.5°C

Model: CCB

### Heating Shaker

- Rapid and accurate control of temperature.
- Optional block depend on tube size.

- Temp. Range: Amb. + 5 ~ 100°C
- Orbital Type, Max. 1500 rpm

Model: CBS

## Electrophoresis



CE RoHS Compliant

CE



### Electrophoresis System, Horizontal

- Separation of relatively large molecules like DNA/RNA.
- Convenient result observation with UV-transparent gel trays.

- Dual-sided combs by model:
  - EP-05: 27/40 wells
  - EP-10, 18: 20/31 wells, 16/20 wells, 25/34 wells
- Buffer capacity: 0.5L / 1L / 1.8L

Model: EP

### Electrophoresis System, Vertical

- Separation of relatively small molecules like proteins.
- Leak-proof structure for convenience during gel preparation.

- Maximum sample throughput: 60 ea
- Buffer capacity: 0.7L for 2 gels, 1L for 4 gels

Model: VEP

### Power Supply

- Power supply for electrophoresis system.
- 4 of output terminal can be used simultaneously.
- Exact output by microprocessor.

- Output Range: 5~250V, 0.01~3A, Max. 300W
- Type of output: Constant Voltage, Constant Current

Model: EPS

## PCR



CE

## Sample Storage



Storage Box

Cryo Box

### PCR Workstation

- High-performance HEPA filter provides a clean environment.
- Suitable for sensitive experiment like PCR.
- Convenient shelf with pipette holder.

- 3 model provided according to size.
- UV timer function

Model: PW

### On-Ice Rack

- Aluminum with excellent thermal conductivity.
- Keeps temperature of the sample constant on ice.

- On-Ice Rack: Micro Tube (1.5 ml, 0.2 ml)
- On-Ice Rack (96W): 96-well Plate, Micro Tube (1.5 ml)

### Storage Box & Cryo Box

- Material without deformation at low temperature.
- No needs for any labeling when using.

- Storage Box (SRB-100): 1.2 ~ 2.0 ml, 100 ea
- Cryo Box (CRB): 3 models according to size
  - : 1.2~2.0 ml (25 ea), 1.2~2.0 ml (81 ea), 5 ml (81 ea)

# Autoclave & Others



## Autoclave

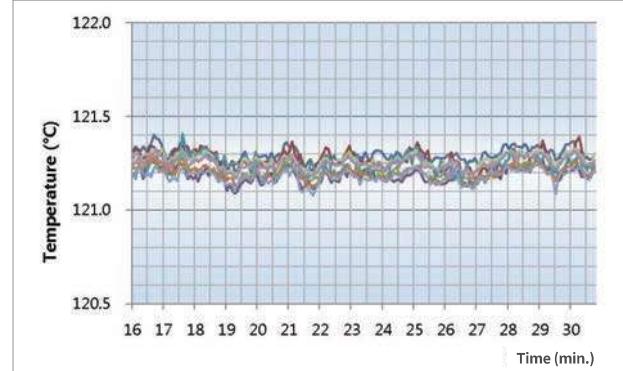


### Autoclave

- Convenient use with various operation mode for each usage.
- Sterilization process monitoring ensures reliable sterilization.

- Sterilization Temperature: 110 ~ 123°C
- Melting Temperature: 60 ~ 100°C
- Sterilization Pressure at 121°C: 1.1 ~ 1.2 kg/cm<sup>2</sup>
- Volume: 50L / 65L / 85L / 105L

Model: ST



Model: ST- 85G (measured with 10 of temperature sensors )

## Pump



### Electrical Aspirator

- Fast formation of low vacuum state via two aspirators.
- Use PP having good chemical-resistance for contact parts of organic solvent.

- Free-air Capacity: 18L / min x 2 ea
- Max. Vacuum Range: 0.0998 Mpa
- Motor Capacity: 150 W
- Bath Volume: 9.5 L

Model: VE

### Rotary Vacuum Pump

- Oil vacuum pump for formation of high vacuum state.
- Prevents air reflux, essentially used with vacuum ovens to achieve a higher level of vacuum pressure

- Pump Speed: 100 / 200 / 400 / 600 L/min
- Ultimate Pressure:  $1.3 \times 10^{-1}$  /  $6.7 \times 10^{-2}$  Pa

Model: W2V

## Ultrasonic Cleaner



### Ultrasonic Cleaner

- Strong cleaning power by high-energy BLT Type vibrator.
- Easy drain of cleansing solution through drain valve.

- Frequency: 40 kHz
- Ultrasonic Power: Max. 500 W

Model: UCP / UCS

## Aspiration



### Filter Adapter

- It can be used between the filtering funnel and the filtering flask during vacuum filtration.
- Excellent sealing and adhesion with silicone material.

# Biosafety Cabinet & Clean Bench, Fume Hood



## Biosafety Cabinet



## Clean Bench



### Biosafety Cabinet

### Clean Bench

### PCR Workstation

### UV Sterilization Cabinet

- Safe experimentation of biohazard samples.
- Capable of filtering 0.1~0.3 um particles by 99.999% with ULPA filters.

- Fully compliant with validation requirements.
- Easy replacement of HEPA filter.

- UV blocking about 99.9% with transparent polycarbonate material.
- Essential for sensitive experiment such as PCR.

- Sterilization using UV lamp.
- Stainless steel work surface.

Protection target	User, Sample, Environment
Filter	ULPA Filter
UV Lamp	<input type="radio"/>
Fluorescent Lamp	<input type="radio"/>
Airflow	Inflow / Downflow
Model	JB

Sample
HEPA Filter
<input type="radio"/>
<input type="radio"/>
Downflow

Sample
HEPA Filter
<input type="radio"/>
<input type="radio"/>
Downflow

-
-
<input type="radio"/>
<input type="radio"/>
UVC

※ With canopy (option), safely use small amounts of volatile chemicals.

## Fume Hood



### Ductless Fume Hood

### Arm Hood & Mobile Fume Extractor

### Molded Fume Hood

### Molded Observation Fume Hood

- Remove and circulate fume via built-in filter.
- No need duct. Convenient moving and installation.

- Available in filter box type, ceiling-mounted, and wall-mounted configurations.
- Various hoods and arms available for selection.

- Compact table-top design.
- Easy use with connecting duct system.

- Compact table-top design.
- Easy use with connecting duct system.
- Easy observation with rear viewing window.

Filter	Complex Carbon, Acid, Formaldehyde, Ammonia/Amines, and HEPA filters available.
Model	DLH

Filter	Complex Carbon, Acid, Formaldehyde, Ammonia/Amines, and HEPA filters available. (EFS/PFS models)
Model	AH, EFS, PFS

Filter	Complex Carbon, Acid, Formaldehyde, Ammonia/Amines, and HEPA filters available. (EM-33)
Model	PMH-720 + EM-33

Filter	Complex Carbon, Acid, Formaldehyde, Ammonia/Amines, and HEPA filters available. (EM-33)
Model	POH-720 + EM-33

## LC Magnet System

Magnetic System with a powerful magnet at the end column of the Arm Hood for quick attachment and replacement of Dome/Square Hoods.



### Dome type

- When the emission range of the source is wide.
- Used for capturing light gas.

### Square type

- When heavy gas is collected, one side is supported on the table and used as a shield.

# Safety Storage & Cabinet



## Safety



EN  
14470-1  
CE



Fire simulation test (90mins)



Fire performance test (NFPA 30 Vs. EN 14470-1)

### Fire Safety Storage Cabinet

- Safe storage of flammable / combustible materials in the event of a surrounding fire.
- Designed according to the strictest European standards EN 14470-1
- Fire proof performance : 30 min / 90 min

Internal Volume	Tall type (90min type) : 763L / 357L Tall type (30min type) : 802L / 375L Underbench type (90min type) : 244L / 110L Underbench type (30min type) : 252L / 116L
Model	SC3-F + EM-33

※ Available to install Safety Waste Disposal System. (Option, p43)

## Safety



EN  
14727



### Acid Corrosive Cabinet

- Acid/Base reagents can be safely stored for a long period of time.
- Solid steel structure with corrosion-resistant interior finish.

### Molded Acid Corrosive Cabinet

- Durable chemical resistant plastic storage cabinets for Acid/Base materials reagents.
- Easy use with connecting filter or fan modules.

Internal Volume	Stand Type : 894L / 852L / 445L / 426L Under Type : 314L / 227L / 146L / 115L
Model	SC-C + EM-33

※ Available to install Safety Waste Disposal System. (Option, p43)

## General



### Multipurpose Cabinet Window

Feature

- Window door type for easy figures out stored samples.
- Drawer shelves with PP having good chemical resistance, makes easy store.
- Fume extraction module & filters. (option)

Model	DS-OW
-------	-------

## Functional



CE



### Filtering Storage Cabinet

- Filter installed inside, internal air circulation.
- Easy moving and installation, safety warning alarm.

Feature	<ul style="list-style-type: none"> <li>Internal Volume: 604 L / 1317 L</li> <li>Capacity (L or 1L Bottle): 140 / 280</li> <li>Optional Filter : HEPA Filter, Complex Carbon Filter (Aldehyde, acid and amines are available.)</li> </ul>
Model	FSC

### Gas Cylinder Cabinet

- Safe protection from external shock.
- Convenient folding ramp structure for replacing heavy cylinders.

Feature	<ul style="list-style-type: none"> <li>Gas Cylinder Max. storage capacity (Ø230 mm) : 2 ea / 3 ea</li> </ul>
Model	DS-GC

# Dry Cabinet & Desiccator



## Dry Cabinet



## Desiccator



### Dry Cabinet

Auto desiccator

- Convenient maintenance with automatic electronic desiccator unit.
- Easy humidity set by 1%RH unit.
- Two kinds of the model; General type and Anti-Static type.

Internal Volume	120L / 240L (Vertical, Horizontal type) / 480L
Control Range	20 ~ 60%RH
Model	DC2 / DC2-A

1) Above (internal) humidity and temperature may temporarily increase when drying the device of the dehumidifying unit.

### Desiccator

- Built-in hygrometer at front.
- Stackable structure for space saving.
- Drawer provided as standard for the convenient storage of small container.

35L / 50L
-
SDC

1) Hygrometer deviation : 10%~20%

## Vacuum Desiccator



### Vacuum Desiccator

Cubic type

- Keep vacuum of 1 Torr for 72hours.
- Standard vacuum gauge at front.

Internal Volume	11L / 23L / 35L / 45L
Material	Body, Shelf: PC / Desiccant Tray, Latch: PP
Model	VDC, VDC-U

### Vacuum Desiccator

Round type

- Durable one-mold design makes no leak.
- UV block models are available.

Internal Volume	6L / 10L / 20L
Material	Lid, Bottom: PC / Desiccant Tray, Locker: PP

### Vacuum Desiccator

Cylinder type

- Standard 3-way stopcock valve.
- Transparent for easy observation.

Internal Volume	16L / 25L
Material	Body, Bottom: PC / Locker: PP



Jeio Tech's dry cabinets and desiccators offer exceptional durability and a diverse lineup according to various applications, ensuring excellent user convenience.

# Refrigerator & Freezer



## Laboratory Refrigerator

- Automatic defrosting function.
- Controller lock & built-in key lock system.
- Safety warning such as temperature deviation, door open, etc.
- 2 kinds of door type (glass/solid), various volume.
- Satisfied required condition of cold storage for pharmaceuticals stability.
- Voice alarm system (option)
- LC Connected system (option, only for CLG3 model)

Temp. Range	2 ~ 10°C
Internal Volume	73L / 156L / 303L / 660L / 1451L
Model	CLG / CLG3



## Laboratory Freezer

- Excellent thermal insulation and sealing to make keep stable temperature.
- Dual defrost systems (automatic/manual).
- Controller lock & built-in key lock system.
- Safety warning such as temperature deviation, door open and so on.
- Simultaneously displays set temperature and actual temperature.

Temp. Range	-25 ~ -15°C	-35 ~ -25°C
Internal Volume	154L / 303L / 647L	154L / 303L / 647L
Model	FMG	FCG



## Pharmaceutical Refrigerator

(※Not Available in US)

- Temperature uniformity verified under DIN 13221.
- Licensed manufacturer for medical devices.
- Remote alarm and mobile monitoring system for quick response to temperature issues.
- Convenient security with an electronic lock.
- Easy inventory check with a viewing window and internal lamp.

Chamber Volume	73L
Temp. Range	2 ~ 10°C (5°C set point)
Model	PSR3



# Temperature & Humidity Chamber



## Tabletop



## Floor Standing



### Temperature & Humidity Chamber

Tabletop type

- Provides maximized performance in limited space.
- Suitable for development step of small samples.

Temp. Range	-40 ~ 100°C	-20 ~ 100°C	0 ~ 100°C
Temp. Range (EU Only)	-35 ~ 100°C	-20 ~ 100°C	0 ~ 100°C
Humidity Range	20 ~ 95 %RH	20 ~ 95 %RH	30 ~ 95 %RH
Airflow type	Vertical airflow	Vertical airflow	Vertical airflow
Chamber Volume	25L / 65L / 100L		189L / 302L / 408L
Model	TH3-KE	TH3-ME	TH3-PE

### Temperature & Humidity Chamber

Ultra low temperature (-70°C) type

- Extended temperature range from -70 to 150°C.
- Stable temp and humid control up to 95%RH.

-70 ~ 100°C
25 ~ 95 %RH
Vertical airflow
189L / 302L / 408L
TH-KH

### Temperature & Humidity Chamber

Low temperature (-35°C) type

- Representative model with proven reliability.
- Minimized water consumption & maintenance.

-40 ~ 100°C
-35 ~ 100°C
25 ~ 95 %RH
Vertical airflow
189L / 302L / 408L / 800L / 1000L / 1450L
TH-G

## Floor Standing



### Temperature & Humidity Chamber

General (-5°C) type

- Stable temperature and humidity control for even during long-term continuous use over 1 year.
- Convenient internal observation with LED lamp and looking glass window.

Temperature Range	-5 ~ 100°C	-5 ~ 100°C
Humidity Range	10 ~ 95 %RH	25 ~ 95 %RH
Airflow Type	Vertical airflow	Vertical airflow
Chamber Volume	180L / 314L / 419L	770L / 997L / 1540L
Model	TH-TG	TH3-DG

### Temperature & Humidity Chamber

Dual type

- Space efficiency model that controls two upper and lower chambers individually.
- Provide optimized experiment environment with precise temp. & humid. controls.

-5 ~ 100°C
20 ~ 90 %RH
Vertical airflow
150L x 2 Chamber / 288L x 2 Chamber / 384L x 2 Chamber
TH3-E

### Temperature & Humidity Chamber

Basic type

- Convenient operation with multifunctional 5.6 inch color touch controller.
- Possible to check the operation status with graphs.

0~90 °C
35~85%
Vertical airflow
201L / 398L
TH3-E

## Pharmaceutical



### Pharmaceutical Stability Test Chamber

- Satisfies ICH Guideline Q1A (R2) & Q1B (Option 2) Stability Test.
- Dedicated controller for light cumulative dose setting/control.

Temperature Range	-5 ~ 85°C
Humidity Range	20 ~ 85 %RH
Airflow Type	Vertical airflow
Chamber Volume	300L / 760L
Model	TH-IICH

### Walk-in Chamber

- Excellent thermal insulation and sealing to ensure reproducibility even for long-term use.
- Stable temp. & humid. controls with optimized inner air circulation.
- Durable door system.
- Convenience multiple safety system.



# Heating & Cooling Chamber



## Tabletop



## Floor Standing



### Heating & Cooling Chamber Tabletop type

- Provides maximized performance in limited space.
- Suitable for development step of small samples.

Temp. Range	-40 ~ 100°C	-20 ~ 100°C
Temp. Range (EU Only)	-35 ~ 100°C	-20 ~ 100°C
Airflow Type	Vertical airflow	Vertical airflow
Chamber Volume	25L / 65L / 100L	25L / 65L / 100L
Model	TC3-KE	TC3-ME

### Heating & Cooling Chamber General type

- Suitable for temperature characteristic test of samples.
- Space-saving vertical structure of dual chamber model.

-20 ~ 100°C	0 ~ 100°C	-70 ~ 180°C	-35 ~ 180°C
Horizontal airflow	Horizontal airflow	Horizontal airflow	Horizontal airflow
150L / 255L / 485L / 150 x 2 Chamber	150L / 255L / 485L / 150 x 2 Chamber	125L / 253L / 420L / 720L / 1000L	125L / 253L / 420L / 720L / 1000L
LCH	LCH-G	KBD	KMV

### Heating & Cooling Chamber Ultra low (-70°C) / Low temp.(-35°C) type

- Wide range from low to high temperature.
- Provided reliability specification of fluctuation and gradient.

## Floor Standing



### Heating & Cooling Chamber Low temp.(-35°C) type

- Vertical airflow and temperature range from -35 to 180°C.
- Electronic over temperature protection system.

Temperature Range	-35 ~ 180°C
Airflow Type	Vertical airflow
Chamber Volume	253L / 420L / 720L / 990L
Model	JMV

### Heating & Cooling Chamber Low temp.(-25°C) / Ambient temp.(-5°C) type

- Wide range from low to high temperature.
- Provided reliability specification of fluctuation and gradient.

- 25 ~ 100°C	- 5 ~ 100°C
Horizontal airflow	Horizontal airflow
125L / 250L / 400L / 700L / 1000L	
PBV	PMV

## Industrial Oven



### Heating Chamber

- Verified 27 point fluctuation and gradient.
- Excellent insulation, sealing and durable structure.

Temperature Range	Amb. + 45 ~ 250°C	Amb. + 45 ~ 350°C
Airflow Type	Horizontal airflow	Horizontal airflow
Chamber Volume	125L / 253L / 420L / 720L / 1000L	125L / 253L / 420L / 720L / 1000L
Model	LBV	LTV

# Lab Essentials

We research and provide a selection of lab essentials steadily suitable for the customer's experiment.

## Wash Bottle with excellent quality made by Jeio Tech



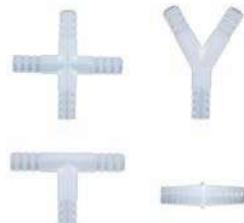
### Wash Bottle

- Easily sprayed solution even when lightly pressed for convenience.
- Vapor pressure self-discharge structure inside the container eliminates the inconvenience of liquid flowing out.
- Double helical structure increases tightness of both container and cap.
- Replaceable nozzle tip for effective maintenance.
- Engraved markings for convenient capacity checking.
- 250ml / 500ml



### Carboy

- Excellent chemical resistance, suitable for storage and dispensing of various liquids.
- Leakless spigot even using for a long time.



### Tubing Connector

- Structure that makes a sturdy tube connection.
- Excellent chemical resistance due to PP material.
- Available up to 120°C.



### Plastic Beaker

- Transparent (PMP), Translucent (PP)
- 500ml / 1000ml / 2000ml



### Handle Beaker

- Transparent (PMP), Translucent (PP)
- 500ml / 1000ml / 2000ml



### On-Ice Rack

- Block made of aluminum with excellent thermal conductivity.
- Keeps the temperature of the sample constant when using on ice.



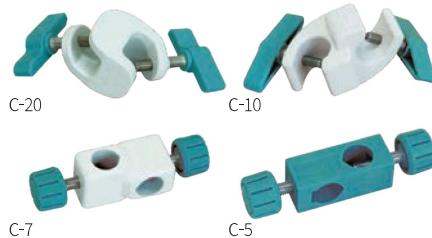
### Handle Beaker

- No transform even at low temperature.
- No need labeling additionally.



### Filter Adapter

- Can be used between the filtering funnel and the filtering flask during vacuum filtration.
- Excellent sealing and adhesion with silicone material.



### Clamp Holders

- Clamp holders are ideal for use with overhead stirrers and hotplate stirrers.
- Adjustable to fit support rods up to 5/8 inch diameter.



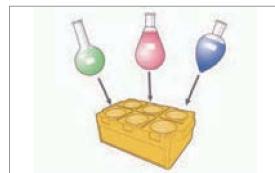
### Tube Rack

- Available stored various sizes for centrifuge tube / Conical Tube / Micro Tube.
- PC material.



### Flask Support

- Safe storage and handling of round flasks.
- Excellent chemical resistance and heat resistance. (-30 to 120°C)



Easy simultaneous handling of several flasks.



Using for multi-purpose.



Convenient movement with side handles.



Easy to distinguish samples by name tags and numbers.



### Safety Waste Disposal System

- Easy to collect and store various chemicals and waste liquids generated in the lab.



Waste liquid level notification function.



It is possible to configure a container together with flammable cabinets.  
※ Fire Safety Storage Cabinet (p 33)



Classified color label and lid color according to chemical properties.



Exclusive carbon filter (option)

Model	SF-14C	SF-14P	WT-20C	WT-20P
Description	Anti-static safety funnel	General use safety funnel	Anti-static liquid waste container	General-purpose liquid waste container
Volume	1L	1L	22L	22L



## Laboratory Equipment

Bath & Circulator  
Chiller (Recirculating Cooler)  
Oven & Furnace  
Incubator & Incubated Shaker  
Shaker & Stirrer & Mixer  
Autoclave  
Electrophoresis System



## Storage & Cabinet

Fire Safety Cabinet  
Acid Corrosive Cabinet  
Filtering Storage Cabinet  
Gas Cylinder Cabinet  
Multiple Drawer Cabinet  
Desiccator  
Auto Dry Cabinet



## Biosafety Cabinet & Clean Bench, Fume Hood

Biosafety Cabinet  
Clean Bench  
PCR Workstation  
UV Sterilization Cabinet  
Ductless Fume Hood  
Extraction Arm Hood  
Mobile Fume Extractor



## Refrigerator & Freezer

Laboratory Refrigerator & Freezer  
Pharmaceutical Refrigerator



## Environmental Reliability Test Chamber

Temperature & Humidity Chamber  
Heating & Cooling Chamber  
Heating Chamber, Industrial



## Lab Essentials

Plastic Ware  
Safety Product

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