



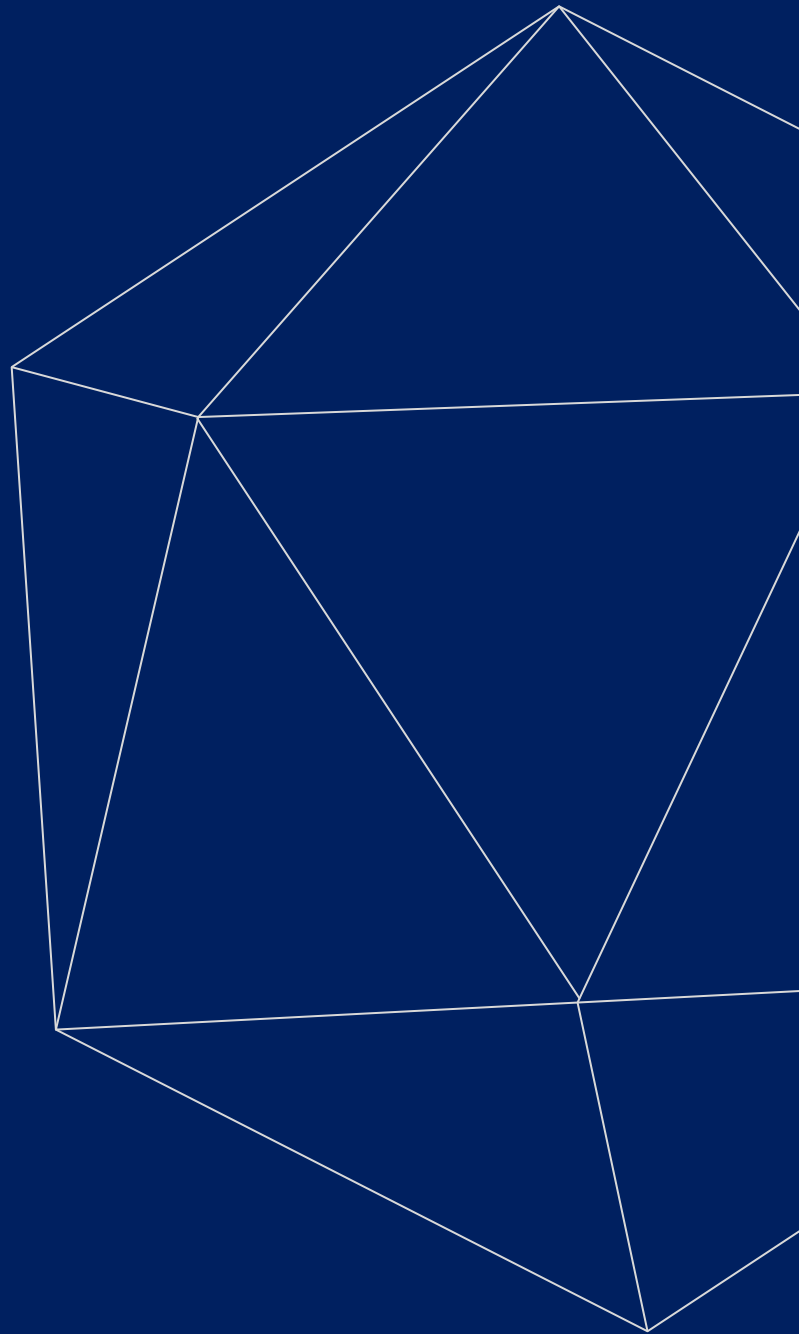
# LABORATORY LINES

DRYING OVEN



## Kalstein®

A different accompaniment, at your service





# Kalstein®

A different accompaniment, at your service

OUR SERVICES

## Benefits and Support

In Kalstein France, we take care of the full satisfaction of our customers, that is why we provide value-added services of the highest level based on our experience.



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### Quick Response

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### Kalstein Worldwide

With more than 25 years growing with our customers, Kalstein's multiformat and modern content, is now present in more than 10 countries and increasing.



## Electric Heating Drying Oven

Serie YR05244 / YR05245 / YR05246 / YR05247



The basis of laboratory research units supporting equipment, use recommended for intermediate and senior laboratory.

Kalstein's Electric Heating Drying Oven has Microcomputer intelligent PID control, precision LED display temperature control, timing, over-temperature alarm, RS 485 computer interface, mirror stainless steel inner, anti-acid, anti-corrosion; hot air circulation system and maintenance free. Widely used for drying, sterilization, thermostatic storage, heat treatment and other fields. Suitable for a higher temperature uniformity requirements user.

### Product introduction

Widely used in drying process, sterilization, thermostatic storage, heat treatment, other fields, the basis equipment of the laboratory and research units, but not for volatile, flammable, explosive and other items, in order to avoid to cause an explosion.

### Features:

- ✓ Precision LCD microcomputer intelligent PID control system, with temperature control, timing and over-temperature alarm, with RS485 computer interface.
- ✓ With standard international brands cooling fan maintenance – free, durability. Perfect combination of duct design to ensure temperature uniformity for the working chamber.
- ✓ Mirror stainless steel inner, anti-acid, and anti-corrosion characteristics.



Microcomputer interface and plug solid frame



Buckle handle



Qualified cold rolled Steel sheet



Digital Display temperature controller (type with C°)



Intelligent LCD temperature controller

### Operation Chart

- 1 Press the power switch**  
Press the power switch (OFF/ON).
- 2 Press the set button**  
Press once time to set the temperature, press two time to set the time, press three times to confirm and exit.
- 3 Set time and temperature**  
Select shift key (left arrow) to set time, add and subtract key (right arrow) to set temperature.
- 4 Set up to complete**  
Automatic operation of the machine, arrive time will be automatic alarm and then stop running.



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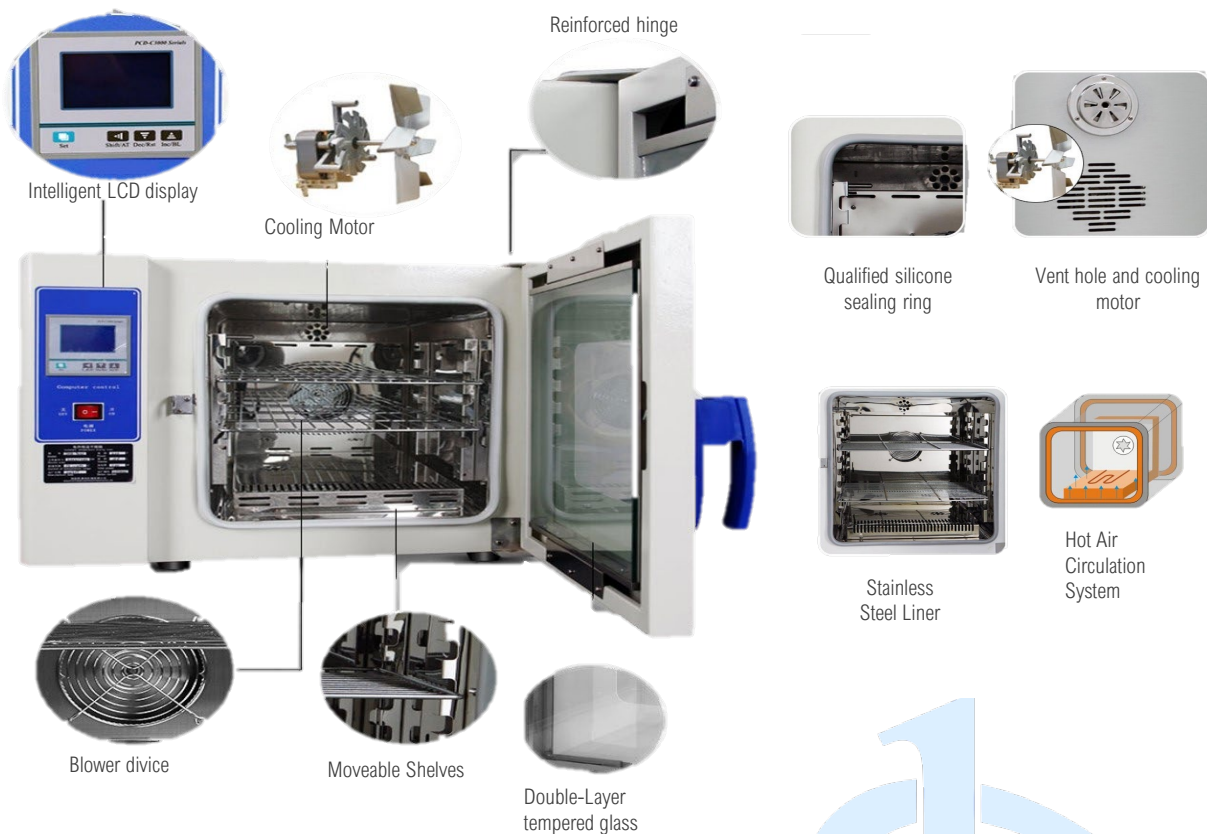
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## Electric Heating Drying Oven

Serie YR05244 / YR05245 / YR05246 / YR05247

 Energy-saving and environmental friendly



### Parameters per Model

Modell	Supply voltage	Temp. Rang(°C)	Timer Range	Temp. Accuracy	Temp. Fluctuation(%)	Liter	Power(K W)	Inner Size (mm) (H×W×D)	External Size(mm) (H×W×D)	Net. Weight(K G)	Shipping Weight(KG)
YR05244	220	RT+5~250	0~999min	±0.1	±1	43	1	350X350X350	530X640X550	36	39
YR05245						66	1.2	420X450X350	630X740X550	47	50
YR05246						129	1.6	520X550X450	750X890X630	62	66
YR05247						225	2.5	750X600X500	980X965X770	96	105



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# Electric Heating Drying Oven

Serie YR05248 - YR05259



The basis of laboratory research units is suitable for the major hospitals, medicine, biology, agriculture, research and other departments for drying, heating storage, heating, but not suitable for easy volatile, avoid to cause explosion.

Kalstein's Electric Heating Drying Oven has Micro-computer intelligent control, temperature control, timing, over-temperature alarm function; fan forced convection hot air circulation system; stainless steel liner/optional cold rolled steel plate; shelf space and shelf number can be adjustable; high-temperature resistant silicone for sealing the door safe and reliable. Cost effective recommended for routine laboratory use.

### Features:

- ✓ Two kinds of controller types Microcomputer intelligent type and LCD display upgraded type.
- ✓ The shell is made of high quality cold-rolled steel with environmental electrostatic spray treatment with nice overall color design suitable for all labs.
- ✓ With a large angle observation window, timer, over-temperature alarm function.
- ✓ Semicircular corners inner chamber is easy to clean.
- ✓ Two models material mirror stainless steel and ordinary cold-rolled stainless steel.
- ✓ Reasonable air cycle to make the temperature more uniform.
- ✓ High temperature resistant silicone for sealing the door, high-temperature heat pipes for the heating element to ensure safety and longer life.



Digital Display temperature controller (type with "A")

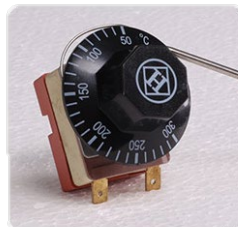


Intelligent temperature controller

### Optional Accesories:



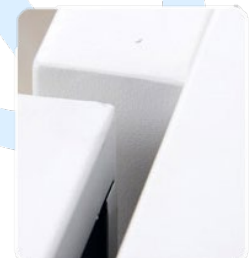
1. Intelligent program temperatura controller



2. Independt limit of the temperature controller



Plug holder



Buckle handle



Qualified cold rolled Steel sheet



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## Electric Heating Drying Oven Serie YR05248 - YR05259

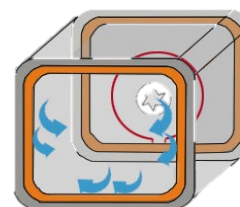
 Energy-saving and environmental friendly



Intelligent digital display



Reinforced hinger



Airflow Circulation System



Intelligent digital display



Moveable shelves



Double-Layer tempered glass



Stainless Steel Liner (type with "S")

### Parameters per Model

Model Kalstein	Supply voltage	Temp. Rang(°C)	Timer Range	Temp. Accuracy	Temp. Fluctuation(%)	Liter	Power(KW )	Inner Size (mm) (H×W×D)	External Size(mm) (H×W×D)	Net. Weight(KG)	Shipping Weight(KG)
YR05248 (A)	220	RT+5~250	0~999min	±1	±1	43	1	350x350x350	530x640x550	35	38
YR05249 (A)						71	1.2	450x450x350	630x740x550	44.5	47.5
YR05250 (A)						136	1.6	550x550x450	750x890x630	59.5	63.5
YR05251 (A)						225	2.5	750x600x500	980x965x770	93	102
YR05252 (SS)	220	RT+5~250	0~999min	±1	±1	43	1	350x350x350	530x640x550	35	38
YR05253 (SS)						71	1.2	450x450x350	630x740x550	44.5	47.5
YR05254 (SS)						136	1.6	550x550x450	750x890x630	59.5	63.5
YR05255 (SS)						225	2.5	750x600x500	980x965x770	93	102
YR05256 (A)	380	RT+5~250	0~999h	±1	±2	300	4~6	1000x600x500	1750x1130x700	152	156
YR05257 (A)						864	8~12	1200x900x800	2000x1450x1000	214	221
YR05258 (SS)						300	4~6	1000x600x500	1750x1130x700	152	156
YR05259 (SS)						864	8~12	1200x900x800	2000x1450x1000	214	221

"A": Zinc-Plating chamber, « SS":S.S chamber



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## Electric Heating Drying Oven

Serie YR05248 - YR05259

 Energy-saving and environmental friendly



- ✓ Microcomputer intelligent temperature control, digital display; centrifugal wind wheel, heat flow evenly; large studio space, fast heating time; (can be equipped with explosion-proof locks, explosion doors).
- ✓ Used for dehydration and drying of the product, suitable for industrial, mining enterprises, workshop batch production, can be a long time uninterrupted operation.
- ✓ Widely used in electroplating industry, electronic industry, alloy jewellery drops of oil, food and plastic industry, leather industry, hardware industry, etc. is not suitable for flammable and explosive materials processing.

### Product introduction :

- ✓ For dewatering, drying, producing industries such as electroplating industry, electronic industry, alloy jewellery drip, food, plastics industry, leather industry, hardware and other applications, but not for the strong volatile. Flammable and explosive items in order to avoid explosion. (If the explosion-proof requirements, you must install safety facilities, such as explosion-proof lock and blast doors)

### Features :

- According to the box size single door or double door design. Large diameter centrifugal wind wheel. Uniform heat circulation.
- The shell is made of high quality cold-rolled steel with metallic paint spray with nice overall colour design. Suitable for all workshop production.
- Digital display intelligent temperature comptroller with microcomputer intelligent PID control and timing function.
- Large diameter centrifugal wind wheel. Uniform heat circulation.
- Two models material inner chamber: mirror stainless steel and zinc-plating.
- This series product with the feature of large storage and temperature rising is fast.
- YR05256 series for the product baking such as metal, plastic, film screen printing, leather processing and industries etc.



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## Electric Heating Drying Oven

Serie YR05248 - YR05259

 Energy-saving and environmental friendly



### Features



Vent hole



High power motor



Intelligent digital controller



moveable shelves



Centrifugal wind wheel



Silicone sealing



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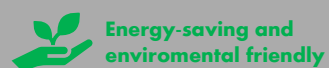
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## Electric Heating Drying Oven

Serie YR05248 - YR05259



### Operation chart:



YR05256, YR05258 Are with rotating handle      YR05257, YR05259 are with buckle to close the door

### Optional parts



1. Sound and light alarm system



2. Independent limit of the temperature controller



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# Electric Heating Drying Oven

Serie YR05248 - YR05259

Energy-saving and environmental friendly



## Scope

Scope of application of industrial products

Electronic industry



Electroplating industry



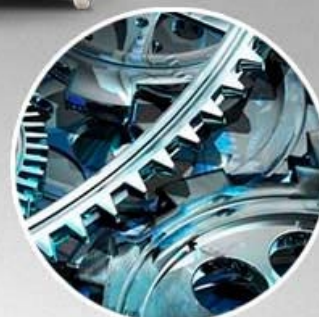
Leather Industry



Alloy jewelry drop



Food and plastic industry



Five metal industry



Cured meat



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## Vacuum Oven Serie YR05260 –YR05265



Vacuum drying oven widely used in biochemical, chemical, pharmaceutical, health care, agricultural research, environmental protection and other research applications for powder drying and roasting, as well as disinfection and sterilization of glass containers used. Particularly suitable for drying heat-sensitive, easily decomposed, and the complex composition of easily oxidized material items for fast and efficient drying.

A variety of complex mechanical components or other porous samples after cleaning using a vacuum drying method, completely dry without leaving any residual material.

### Product introduction :

- ✓ Widely used in biochemical, chemical, pharmaceutical, health care, agricultural research, environmental protection and other research applications for powder Drying and roasting, as well as disinfection and sterilization of glass containers used. Particularly suitable for Drying heat-sensitive, easily decomposed, and the complex composition of easily oxidized material items for fast and efficient Drying.

### Technical Advantages :

- ✓ Vacuum environment greatly reduces the need to get rid of the liquid boiling point, so the vacuum Drying heat-sensitive material can be easily applied for is not easy to Drying the sample, such as powder or other granular samples using a vacuum Drying can effectively shorten the Drying time.
- ✓ Safety-under the conditions of vacuum and inertness, completely avoid exploding if oxidizing material in a very high temperature.
- ✓ Compare with the ordinary drying way depend on air circulating to drying, powder sample is not easy to be blew away by flowing air.

### Features :

- ✓ Interior chamber use streamlines arc design, the outer is made of cold-rolled steel plate, the surface uses the electrostatic spray.
- ✓ Liner is made of stainless steel or cold rolled material, easy to clean because of corners semi-circular.
- ✓ The door's elastic of the oven can be adjusted by the customer.
- ✓ Overall shape of the silicone rubber door seal to ensure a high vacuum oven, control panel with microcomputer control, solenoid control vacuum valve switch.
- ✓ With time and over-temperature alarm function, the door uses double glass, so the articles in Inner can be watched.



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## Vacuum Oven

Serie YR05260 –YR05265

 Energy-saving and environmental friendly



Model	Supply voltage	Temp. Rang(°C)	Timer Range	Temp. Accuracy	Temp. Fluctuation(%)	Liter	Power(KW)	Vacuum Degree(Pa)	Inner Size(mm) (H×W×D)
YR05260 (A)	220	RT+5~250	0~999min	±1	±2	25	0.9	<133	280×300×300
YR05261 (A)						58	1.4		400×415×350
YR05262 (SS)						25	0.9		280×300×300
YR05263 (SS)						58	1.4		400×415×350
YR05264 (A)						93			440*485*425
YR05265 (SS)						93			440*485*425

"A": Zinc-Plating chamber, « SS":S.S chamber



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**The 3 articles of the week!**

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**1**  
Read this ARTICLE NOW



**How does the climate affect your microscope?**

microscope is an instrument that allows observing and measuring objects that are too small to be seen with the naked eye. This is achieved through a complex system of lenses and mirrors, which form

**Kalstein Blog**

**Article of the week:**  
How does the climate affect your microscope?

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**2**  
Read this ARTICLE NOW



**What is the importance of the laboratory refrigerator?**

refrigerator is a device that is one of the most common pieces of equipment used in laboratories to maintain, in a controlled environment (refrigerated space), various fluids and substances.

**Kalstein Blog**

**Article of the week:**  
What is the importance of the laboratory refrigerator?

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