



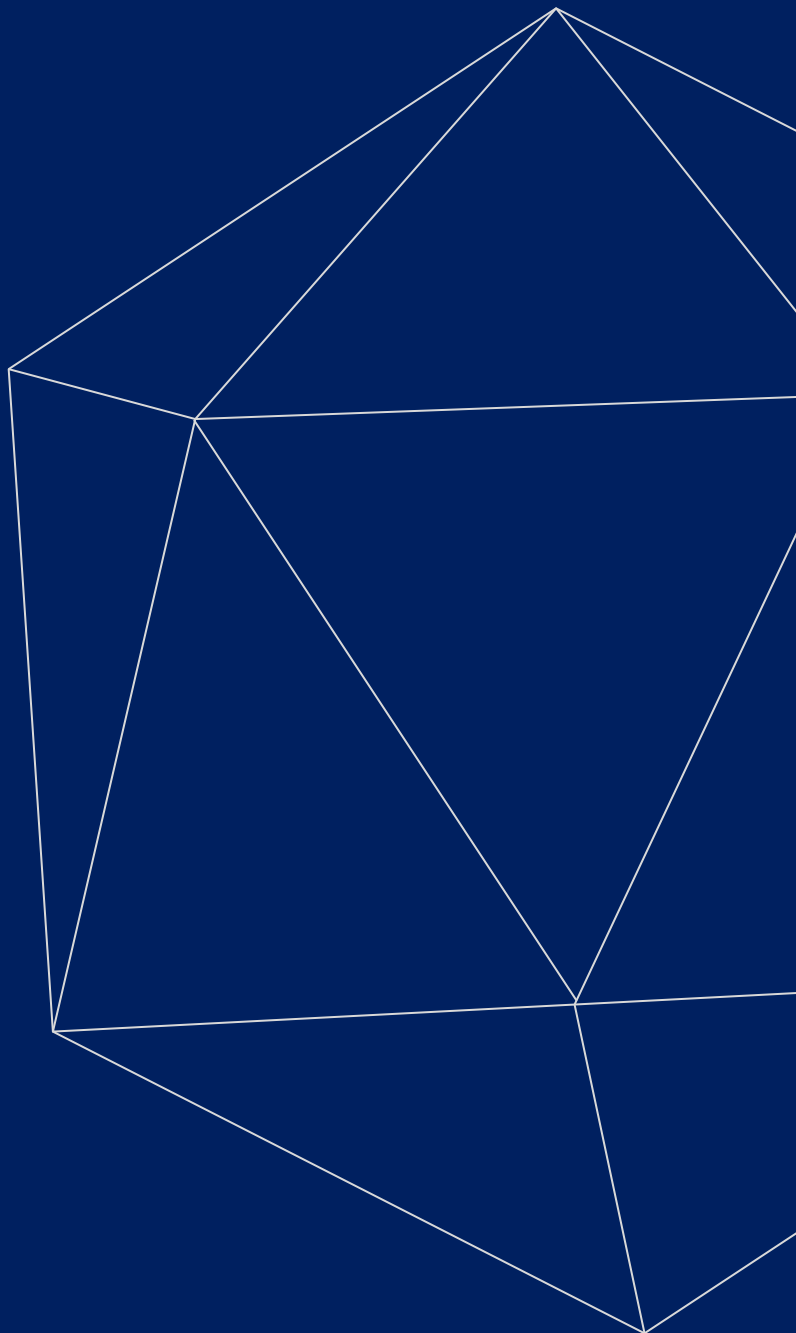
LABORATORY LINES

DRYING OVEN



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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.



Thermostatic Drying Oven

Series YR040GX



- ✓ **Ergonomic Design :**
Laboratory of classical color design, international fashion design, arc-shaped design, for highest operational comfort.
- ✓ Integrated design that contains original outside handle and LCD screen, ergonomic structure, comfortable viewing angle, convenient to open the outside door and operate interface.
- ✓ Interval and number of mesh shelf can be adjusted according to customer requirements. Maximum capacity to meet customer needs.
- ✓ Comfortable vertical structure, maximize work chamber, working room in the upper, convenient to take.
- ✓ Double door design, easy observation samples, keep temperature stability, with bell-type lighting system.
- ✓ Modern Manufacturing Processes



- ✓ Cavity preheating technology air duct forced convection system; microcomputer control system. Insulation technology; intelligent numerical display/uniformity temperature.
- ✓ Widely used in the drying, sterilization, heated storage, heat treatment and other fields, it is laboratories and research units' basic corollary equipment.
- ✓ Can meet different temperature, it will provide a constant temperature, with the thermal insulation to ensure the smooth progress of the experiment and culture of the sample.

Product introduction :

- ALLHEAT™ the advanced cavity preheating technology is the heating elements evenly distributed around the inner chamber, pre-heating of the cavity inner wall, and then through the heat transfer and forced-fan convection, so that the cavity temperature of every point can accurately achieve and maintain setting value, thus ensuring uniform distribution of the cavity temperature.

- With ALLHEAT™ series products because uniform distribution of heat and low energy consumption, so the heat are not easily lost, the enables customers to use are also cost reduction.

ALLFLOW™ Perfect Air Current Cycling :

- ALLFLOW™ air current cycling: perfect for convection, minimum temperature recovery time after opening. reasonable air inlet and outlet duct design, equip with international famous finned motor (no maintenance high durability) ensure an ideal result of samples culture.
- ALLFLOW™ air current cycling: keep temperature continuous and stable.

The wind speed can be adjusted with fan switch function, ensure perfect sample culture environment.

ALLSENS™ Programmable PID Control :

- Integrated, dot-matrix LCD display. Chinese and English subtitles, all the parameters can be clear at a glance.
- User-friendly design display parameters: temperature, air velocity, run time, run/stop.
- Adaptive PID controller precisely control the temperature, prevent temperature soaring, keep working room temperature stable and uniform.
- User password control, built-in multifunctional memory menu, connect to multiple devices (up to 16 units), real-time monitoring.
- To meet customer needs, Time setting: 0-99h, 0-9999min.
- All set operations are recognized voice prompts, easy to operate.
- Can use the remote control of computer software, professional supporting of the operation ALLSENSTM programmable software (optional).

Pro-Insulation™ Insulation Technology :

- Based on the effective use of heat as a concept, use complete isolation design between the liner and shell to avoid energy loss due to heat transfer.
- Adopt Imports of high-density thermal insulation material wrapped liner, effective heating insulation and still stand.
- Good silicone door seal, isolation type hinge design, equip with buckle door handles, ensure excellent seal ability.

Excellent Imported Temperature Sensor :

- Imported industrial sensor PT100, short response time, low self-heating temperature.



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Thermostatic Drying Oven

Series YR040GX



Technical parameters :

- ✓ Sheet metal parts use laser cutting and CNC bending technology. Cold-rolled sheets use three line of acidification anti-rust technology. Incubator surface use workmanship of spraying plastics.

Easy to Clean :

- ✓ Internal surface is smooth and less weld, easy cleaning and maintenance.
- ✓ Pull multilayer shelf design, less metal accessories, easy to clean.

Convenient Maintenance :

- ✓ Liquid crystal micro-computer controller with diagnostic function. Display operating parameters including historical record, temperature and humidity data.
- ✓ Electrical control components and working room are installed separately. installed behind incubator, easy to maintenance.

Secure and Efficient Protection Concept :

- ✓ Multiple over temperature protection function, sound and light alarm.
- ✓ Automatic double over temperature protection function.
- ✓ All electronic components are UL certified.
- ✓ All over temperature protection devices meet Germany standard DIN standard D12880 Class 3.1.



Thermostatic Drying Oven(GX series)

Product Model	YR040GX	YR070GX	YR0130GX
Convection Mode		Forced Convection	
Control System		Microprocessor PID	
Temp. Rang(°C)		RT+5~250°C	
Temp.Accuracy(°C)		0.1	
Temp.Fluctuation(°C)		±1(50~240°C)	
Temp.Uniformity		2%(50~240°C)	
Timer Range		0~99h or 0~9999min can be chosen	
Working environment		Ambient temperature:10~30°C Humidity<70%	
Insulation materials		Imported environmental protection type material	
External Size(mm) (H×W×D)	570*580*593	670*680*593	770*780*693
Inner Size (mm) (H×W×D)	350*350*350	450*450*350	550*550*450
Interior Volume(L)	40	70	130
Interior materials		SUS304 stainless steel inner	
Standard tray number		2	
Power(W)	770	970	1270
Supply voltage		Single phase AC220V/50HZ	
Net. Weight(KG)	40	48	65
Shipping Weight(KG)	43	51	69
Packing Size(mm) (H×W×D)	690*660*680	790*760*680	890*860*780



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Features



Vent hole



Air blast device



LCD display



Moveable shelves



Buckle handle



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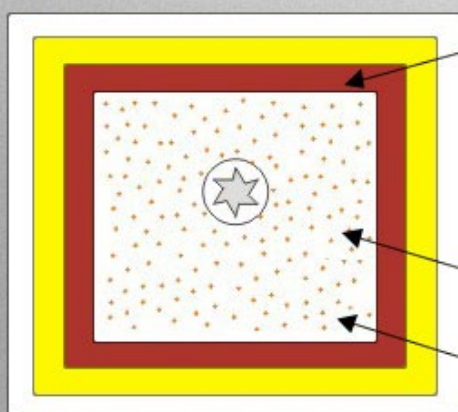




⊕ PT temperature sensor



⊕ Stainless steel inner



Preheating cavity

The heating elements evenly distributed

Cavity

⊕ ALLHEAT™ cavity warm-up technology



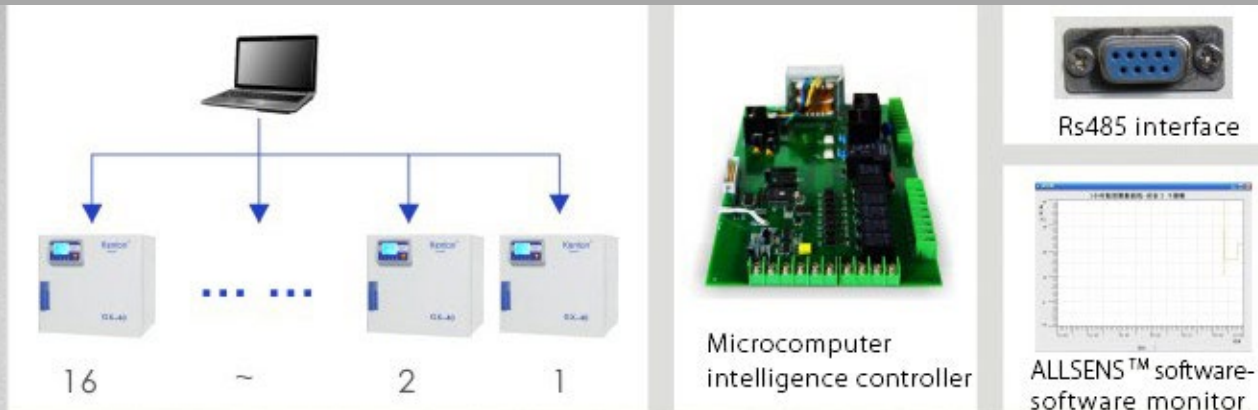
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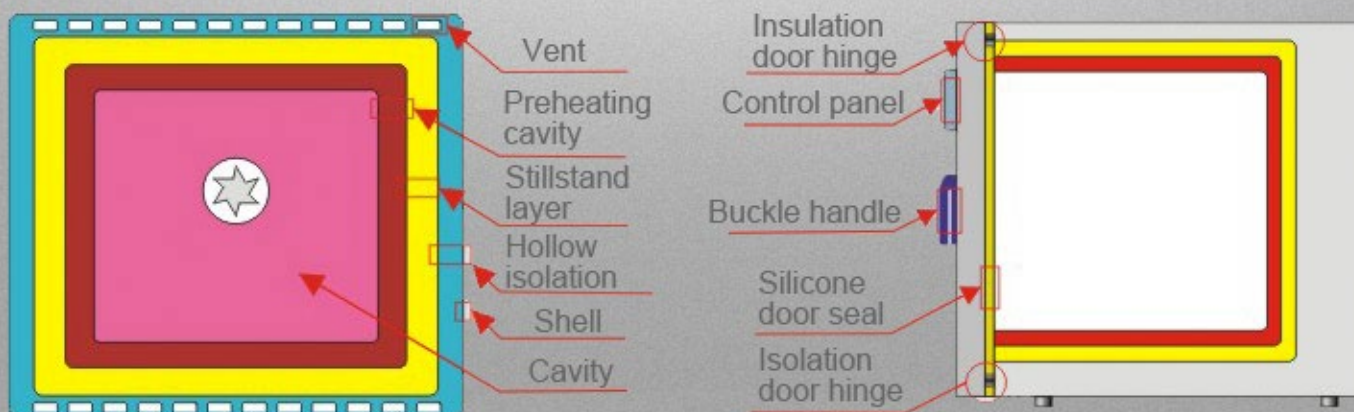
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Microcomputer intelligence control

Pro-Insulation™ insulation technology



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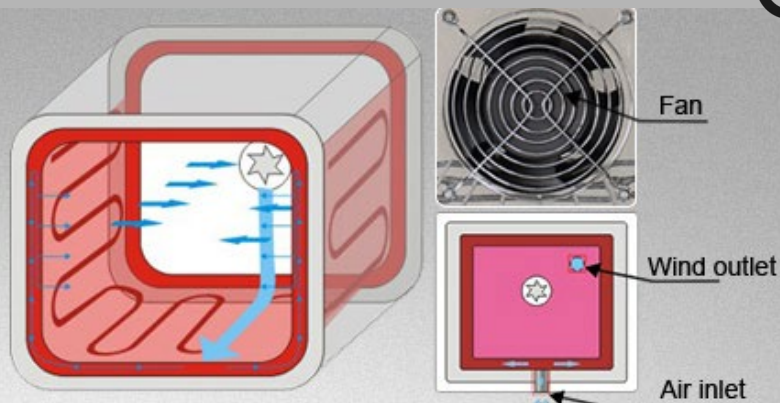
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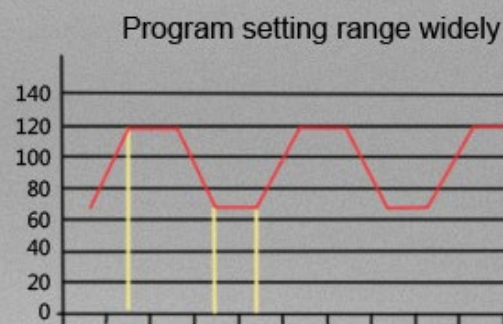
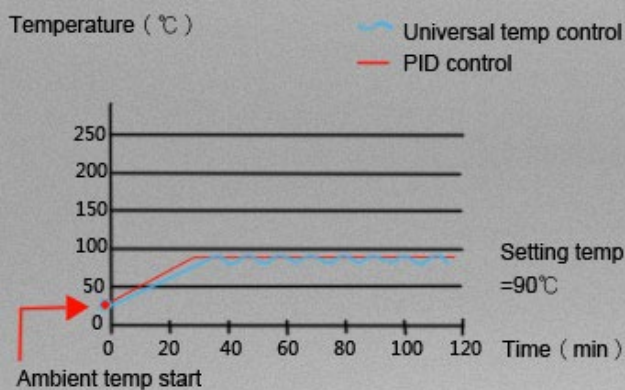
⊕ ALLFLOW™ Prefect air current cycling



ALLSENS™ microcomputer PID control technology



LCD large screen display



Adaptive PID program



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Operation chart:



1

Press the power switch



2

Press the set button



3

Set time and temperature

(Select shift key,
and up and down key)



4

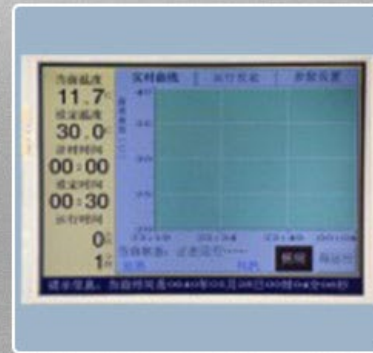
Set up to complete

Automatic operation of the machine, arrive time will be automatic alarm , and then stop running.

Optional accessories:



1. Protable printer



2. LCD touch screen controller



3. ALLSENS™ software



4. Programmable multi segment controller



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