



GZP&PQH

## Climate (Illumination) chamber

Eco-friendly refrigeration, balance cooling system



### Application:

Applies to plant seed germination, seedling cultivation, the cultivation and preservation of bacteria, microbes, small animals, insects, feeding, product quality testing and other uses of light and constant temperature experiments. Simulate natural climate and environment, through the light control simulation during the day and night, the humidity inside (this feature is limited to artificial climate incubator, the temperature can be adjusted to a constant temperature degree is an ideal environment test equipment for such as biology, medicine, agriculture and animal husbandry, forestry, environmental science research departments.

## Feature:

- Balanced refrigeration, small temperature fluctuations, and set the automatic defrost, multiple layers of security protection, required to meet the long-running, with the well-known international brand compressor with delay protection function and smooth running.
- The use of environmental protection refrigerant, make the system more energy saving, efficient, make the environment more healthy;
- The temperature control system with upgraded LCD display, programmable microcomputer intelligent PID control technology, with timing, ultra-high temperature alarm function.
- The illumination is adjustable, the liner is SUS304 mirror stainless steel. Shelf spacing, quantity can be adjusted;
- The double door design, built-in tempered glass viewing window, the items inside can be clearly observed.
- The artificial climate chamber adopts the built-in intelligent humidification system, and the built-in humidification and external humidification have the following advantages: the built-in response is fast, the external type is easy to cause humidity fluctuations due to the long humidification response of the pipe, and the built-in is more than the external humidification. When the high humidity is needed, the external type is difficult to meet the requirements.
- The products have passed the CE certification and 2-year quality warranty period.

## Technical Parameters:

Product name	Climate Chamber PQH series			
Model	PQH-150S	PQH-250S	PQH-350S	PQH-800S
Temp range °C	With illumination 10~65℃， With no illumination 5~65℃			
Humidity range	40%~95% humidity fluctuation±5%RH			
Temperature uniformity values °C	±1		±1.5	
Illumination LX	0~10000	0~15000		
Illumination set range	Five level（20%、40%、60%、80%、100%）			
Timing range	0~999h			

Power W	900	1000	1200	3000
Voltage V	220			
Accuracy °C	±0.1			
VolumeL	150	250	350	800
Inner size (mm) (H*W*D)	800*500*380	1000*550*450	1000*580*600	1200*1050*650
Overall dimension (mm) (H*W*D)	1525*735*680	1775*785*750	1775*815*900	1525*735*680
Packing size(mm) (H×W×D)	1680*810*760	1925*860*830	1925*890*980	1925*1430*1080
Net weight(KG)	120	155	188	250
Shipping weight(KG)	128	165	198	265

Product name	Illumination incubator GZP series			
Model	<b>GZP-150S</b>	<b>GZP-250S</b>	<b>GZP-350S</b>	<b>GZP-800S</b>
Temp range °C	With illumination 10~50℃， With no illumination 5~60℃			
Temperature uniformity values °C	±1		±1.5	
Illumination LX	0~10000	0~15000		
Illumination set range	Five level（20%、40%、60%、80%、100%）			
Timing range	0~999h			
Power W	900	1000	1200	2800
Voltage V	220			
Accuracy °C	±0.1			

VolumeL	150	250	350	800
Inner size (mm) (H*W*D)	800*500*380	1000*550*450	1000*580*600	1200*1050*650
Overall dimension (mm) (H*W*D)	1525*735*680	1775*785*750	1775*815*900	1525*735*680
Packing size(mm) (H×W×D)	1680*810*760	1925*860*830	1925*890*980	1925*1430*1080
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Warning: PQH-800 before the purchase must actually enter the door and elevator size, to avoid the chamber size is too large to enter.

Optional accessories:

1. Portable printer
2. RS232 port
3. Gas interface
4. Test hold
5. Electric outlet
6. USB Interface Data Record reservoir
7. Spectral lamp tube
8. Adjustable laminate illuminator
9. Open the door without power function
10. SUS304 Stainless steel punching laminate



Portable printer



Software



Record reservoir



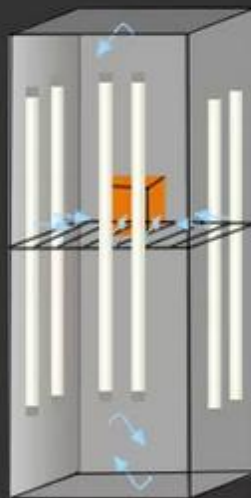
Test hold





#### ⊕ Mirror stainless steel

High temperature resistance, fire resistance, corrosion resistance, can be recycled



#### ⊕ Professional lighting system

Using three-surface light source, use mirror stainless steel in the cavity as reflective material, so that the lighting effect is better, and the light source classification is adjustable



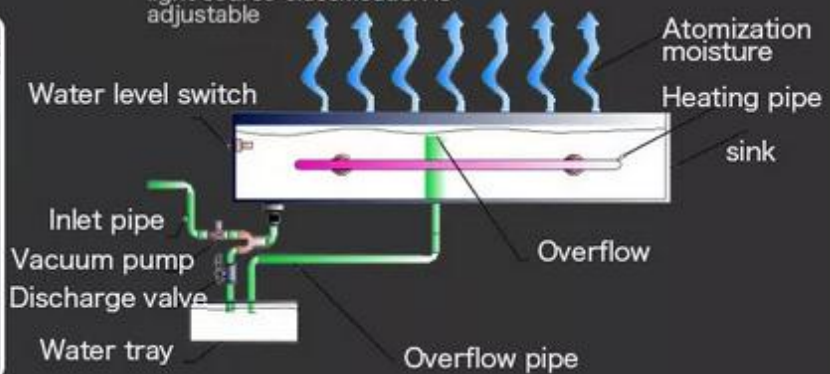
#### ⊕ Double door

Internal toughened glass door, easy to observe, outer silicone seal ring, good sealing



#### ⊕ silicone sealing ring

High quality silicone seals, high temperature, good sealing



#### ⊕ ALLIGENT™ Humidifying system

Original Humidification Design, Automatic Water Filling Design, Automatic Water Level Control, Precise Addition and Control of Humidity, SUS304 Stainless Steel in the Inner Chamber and Water Tank, Guaranteed Atomization Quality and Persistence





### ⊕ Fluorine-free balanced refrigeration system

Using fluorine-free R134 refrigerant, energy-saving and efficient, green, with inlet and outlet



### ⊕ switch

There is a power switch on the side, safe use of electricity



### ⊕ Cold rolled steel plate

Shell using environmentally friendly electrostatic treatment, high quality cold rolled steel plate



### ⊕ Lighting tube

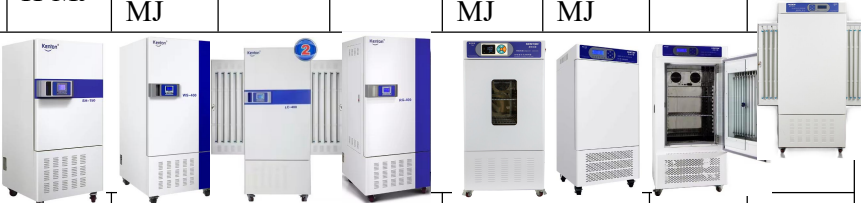
High-intensity fluorescent lamp, adjustable in illuminance



### ⊕ Intelligent temperature controller

Intelligent LCD temperature controller, intuitive display, stable measurement and control, easy to operate

● Comparison of biochemical-humidity-light-climate chamber

	SH/S H-MJ	WS/ WS- MJ	LC	RG	SPX/ SPX- MJ	LRH/ LRH- MJ	GZP	PQH
<b>Controller</b>								
Programmable control system	●	●	●	●			●	●
PID LCD	● Touch screen	● Touch screen	● Touch screen	● Touch screen	●	●	●	●
<b>Chamber material</b>								
SUS304 St.steel	●	●	●	●		●	●	●
201 St.steel					●			
<b>Motor fan</b>								
High temperature resistant bearing	●	●	●	●				
<b>Heat element</b>								
SUS304 St.steel	●	●	●	●	●	●	●	●
RS232 port	●	●	●	●		●	●	●
Remote control	●	●	●	●				
<b>ALLCOLD balanced refrigeration</b>	●	●	●	●	●	●	●	●
<b>ALLFLOW circulation</b>	●	●	●	●	●	●	●	●
<b>ALLSENS temp.control</b>	●	●	●	●		●	●	●
<b>ALLIGENT humidification</b>		●		●		●		●
<b>Pro-Bright light system</b>			●	●		●		●
<b>Save energy insulation</b>	●	●	●	●				
<b>UV function</b>	“MJ” ●	“MJ” ●			“MJ” ●	“MJ” ●		
<b>Brand accessories</b>								
Brand compressor	●	●	●	●	●	●	●	●
ECO-friendly	●	●	●	●	●	●	●	●
ST bi type thyristor	●	●	●	●				



Philip chip	●	●	●	●				
Taiwan opitcal coupler	●	●	●	●				
SENSIRION sensor	●	●	●	●				
Auto defrost	●	●	●	●	●	●	●	●
Power-off memory	●	●	●	●	●	●	●	●
Door seal material	S i l i c o n e + m a g n e t i c				magn etic	Silicone+magnetic		
insulation	polyurethane				polyurethane			
Temp.accuracy°C	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1
Temp.fluctuation	±0.5 %	±0.5%	±1%	±1%	±1%	±0.5%	±1-1. 5%	±1-1.5 %
humidification		●		●		●		●
Humidity fluctuation		±2%		±3%		±2%		±3%
Light function			●	●			●	●
timer	●	●	●	●	●	●	●	●
Over-temperature alarm	●	●	●	●	●	●	●	●
warranty	3 years				2 years			

## KENTON APPARATUS LTD.

### Manufacture of drying oven, lab incubator, climate chamber, laminar flow cabinet, biological safety cabinet(OEM,ODM)

KENTON Apparatus Limited was found in 1999, production plant was set in Guangzhou,China.It is mainly engaged in production,sales and export of laboratory thermostatic equipment and biological scientific equipment,and has provided high-quality products and services for professional laboratories and scientific research institutions at domestics and abroad for many years.

We relies on an international professional R & D team to keep the design and technology of products in step with the world and constantly seek breakthroughs.

Since its establishment, the company has been focusing on thermostatic equipment products in related fields. Now it is a high-tech enterprise integrating science, industry and trade. Its business covers China, Southeast Asia, America, Europe, Australia and other countries.

At the same time, based on the business philosophy of "walking with scientific researchers", and taking advantage of the company's geographical advantages, the company has carried out extensive communication and exchange with scientific researchers in different regions for many years, and carried out long-term follow-up services to users, constantly improving the function and quality of products, so that products can better meet the requirements of users.

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