

**KENTON®**

**Carbon dioxide Incubator**  
**CO2 Incubator**

-----Gas distribution type, Stainless steel liner

HCP SERIES



## Scope of application:

- An instrument applies to cells, tissues, and bacterial culture. It is the key equipment to immunology, oncology, genetics and biological engineering. Widely used in microorganisms, agricultural science, drug research and production.

## Feature:

- Microcomputer intelligent PID control technology, to maintain accurate and constant temperature and with timing, also with ultra-high temperature alarm function.
- Internally equipped with a UV germicidal lamp, which can effectively kill bacteria, fungi and other microorganisms, effectively prevent cross-contamination in the next culture;
- The five sides of the inner are installed with carbon fiber heater film heating, combined with the top of the fan for air circulation, to ensure the temperature uniformity;
- The inner cavity is made of SUS304 stainless steel, equipped with an independent water plate to produce natural humidification, ensuring the saturated water required for the culture.
- Gas distribution type, CO<sub>2</sub> recovery time  $\leq$  concentration x 1.2Min
- Adopt door heating control system, which can effectively avoid frost in glass doors.
- The design of the double doors, built-in tempered glass viewing window, clear observation of the locker, shelf up and down pitch adjustable.

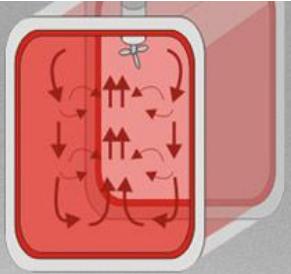
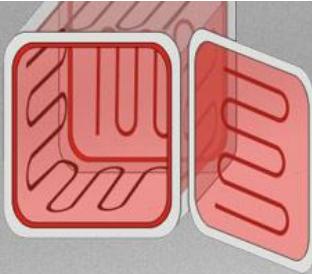
## Technical Parameters:

Model	Temp range (°C)	Accurancy (°C)	Fluctuation (%)	CO <sub>2</sub> control range	Voltage (V)	Power (KW)	Inner size (mm) (H*W*D)	Overall dimension (mm) (H*W*D)	Packing size (mm) (H*W*D)	Net weight (KG)	Shipping weight (KG)
HCP-80S	RT +5~65	±0.1	±0.5	0~20%	220	0.35	500×400×400/80L	835×550×550	955×630×630	36	40
HCP-160S						0.55	650×550×500/160L	985×700×650	1105×780×730	57	62

## Features

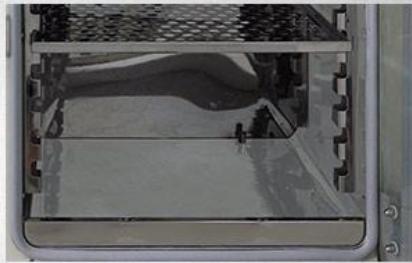
Working principle: equipped with electric heating tube, circulating fan and water tank.





⊕ Cavity warm-up technology and Outer door heating

⊕ Airflow circulation system



⊕ Stainless steel inner

⊕ Integrated humidification design



⊕ UV sterilization system

⊕ Rear double fuse and interface

## Operation chart:



1

Press the power switch



2

Press the function button



3

Set the concentration of CO2



4

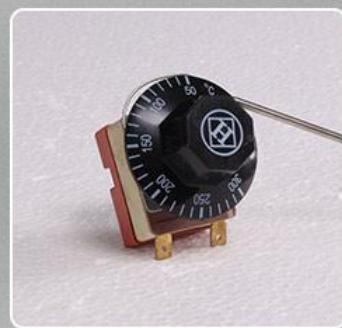
Set up to complete

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

## Optional accessories:



1.Intelligent temperature controller



2.Independent temperature controller

## Choose and buy:

1. Intelligent program temperature controller
2. Test hole
3. Temperature limiting device

Comparison list	CR (Professional type)	HCP (Basic type)
		
<b>Controller</b>		
PID LCD touch screen	●	
PID digital		●
<b>Brand accessories</b>		
Sense Air concentration sensor	●	
ST bi type silicon controlled	●	
Philip chip	●	
Taiwan optical coupler	●	
SENSIRION sensor	●	
<b>Internal material</b>		
SUS304 St. steel	●	●
<b>Motor fan</b>		
High temperature resistant bearing	●	●
Heat dissipation fan	●	●
<b>Electric element</b>		
Carbon electric film	●	●
<b>CO2 control way</b>		
Auto control	●±0.1	
Manual control		●
<b>RS232 outfit</b>		
<b>Remote control</b>		
<b>ALLHEAT chamber preheating</b>		
<b>ALLFLOW</b>		
<b>ALLSENS</b>		
<b>ALLMIST</b>		
<b>Insulation</b>		
<b>Heating sides</b>	6 sides	5 sides
<b>Air duct</b>	3D	3D
<b>Door seal</b>	Silicone+magnetic	Silicone+magnetic
<b>Insulation</b>	aluminium silicate	aluminium silicate
<b>Temp accuracy °C</b>	±0.1	±0.5
<b>fluctuation</b>	±0.5%	±0.5%
<b>Temp.uniformity</b>	±0.5%	±1%
<b>Cut-off memory</b>	●	
<b>Timer</b>	●	●
<b>Alarm</b>	●	●

<b>Warranty</b>	3 years	2 years
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## 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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