



JHZ-2

JHP-1



Gather all the essence of Kenton technology

Together with researchers

Perfect products from KENTON--- Human engineering design. Sophisticated microcomputer control system
Optimal cleansing program, Originated from Europe and the United States manufacturing process, Qualified components to ensure perfectly clean environment appearance, Optimized wind pressure and air outlet design ensure the uniformity and stability of air flow , ensure your successful experiment.

JH series laminar air flow cabinet

Technical parameters

Product type	JHP horizontal airflow		JHZ vertical airflow	
	one person JHP-1	two people JHP-2	one person JHZ-1	two people JHZ-2
Cleanliness rating	ISO 14644.1 standard, CLASS 5 (U.S. Federal 209E, 100 level)			
Control system	LCD Intelligent control system(With filter failure reminder)			
wind speed	0.3~0.6m/s(Adjustable)			
Noise (dB)	≤62			
Vibration half peak	≤3 μm (X、Y、Z direction)			
High efficiency filter	Efficiency 99.99%			
Illumination (LX)	≥300			
Work environment	Ambient temperature 10~30°C, Relative humidity below 70%, No obvious vibration and dust around			
Mesa material	SUS304 stainless steel			
Overall size(mm) (H×W×D)	1585×990×735	1585×1460×735	1585×990×735	1585×1460×735
Inner size (mm) (H×W×D)	515×830×550	515×1300×550	500×830×680	500×1300×680
Voltage(V)	AC110V/220/50Hz			
Power (W)	200	400	200	400
Net weight (KG)	120	210	110	210
Shipping weight(KG)	130	235	130	235
Packing size (mm) (H×W×D)	1030×1180×855	1030×1650×855	1030×1180×855	1030×1650×855

Remarks: Vertical airflow series can be custom-made to single sided and double sided.

Optional accessories

1. water & gas port;
2. ULPA super efficient filter (interception up to 99.999%)

.All technical data in the no-load conditions, ambient temperature is 25 °C, relative humidity is 50% RH, the voltage fluctuation is $\pm 10\%$ around without obvious vibration and dust conditions to test.

.KENTON may change the above technical parameters at any time. There is deviation about product appearance due to some factors such as the photographic or printed result, please understand and reserves the final right of interpretation.

Meet international standard:

Products standard: NSF 49; EN12469

Temperature safety standards: Germany DIN 12880 Class 3.1

Electrical safety standards: International IEC61010-1 US UL61010-1 EU EN61010-1

JH Series

Laminar airflow cabinet

3-years warranty

1. Suitable for biotechnology, pharmaceutical, life science and precision electronics and other fields requiring product protection, JH series purification workbench combined with uniform airflow mechanics design to create a local purification working environment for operators, so that the experiment can be carried out smoothly;
2. Comply with Australia AS1386.5 and the EU EN12469 standard, clean grade of the international ISO14644.1 standard CLASS (U.S. Federal 209E, 100 level)
3. Integrated LCD screen, real-time display lighting, sterile, air volume and other parameters, with sterilization, lighting interlocking function, protect the operator from ultraviolet light burns, wind speed adjustable, can adjust the appropriate air volume according to the user, this series of standard differential pressure sensor and filter failure prompt function.
4. The centrifugal wind wheel low energy motor is adopted, according to the principle of air mechanics, the circular arc large diameter air inlet design, to reduce the turbulence generation, to ensure the low noise operation of the system. The optimized net pressure box, with the laminar air outlet plate designed by the micro mesh, no convex surface, no dead Angle, to ensure the uniformity and stability of the air flow.
5. Standard with the primary and efficient double filter element, the primary filter can avoid the entry of dust particles, prolong the life of the efficient filter, the efficient filter uses no partition HEPA, and the interception efficiency is 99.99%. This series is equipped with both vertical airflow and horizontal airflow.
6. The ergonomic design of the front tilt, the operation room can be equipped with gas, water interface and anti-splash power socket, facilitate the experiment; the weight can slide the front door up and down, can be positioned at will; the Tibetan lighting system, provide the best lighting Angle and brightness, reduce visual fatigue.
7. The operating platform adopts anti-resistant SUS304 stainless steel plate, and the front is is design to increase operation comfort. The front control panel is designed to facilitate the maintenance and replacement of electrical components.
8. Disassembly and removable combination base frame for easy transportation and moving. Caster height is adjustable, and with brake stop positioning function.
9. IQ, OQ, PQ and other related certification services.
10. CE certification. Three-year warranty period.

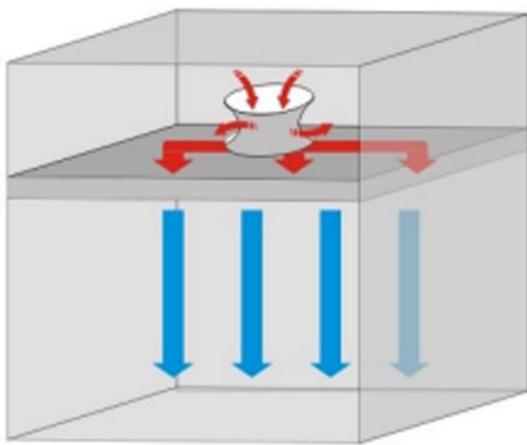
Micro-computer control technology

1. Integrated LCD display, real-time display the status of lighting, sterile, air flow and other parameters with filter failure reminder.
2. Humanized design, with sterilization, lighting interlock function, protect the operator from ultraviolet light burns, to ensure the safety of operation.
3. Wind speed multi-level adjustable, the air volume can be adjusted according to the user.

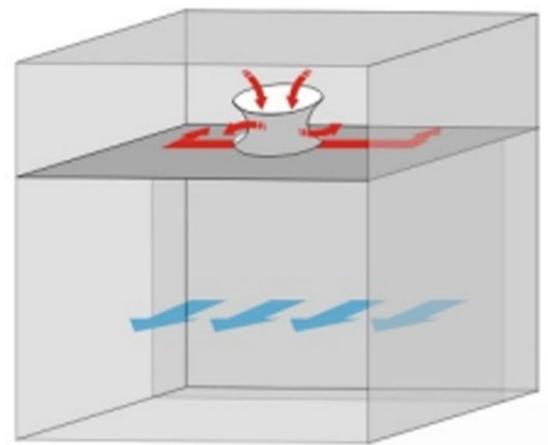


CLEANFLOW Clean air technology

1. Centrifugal wind wheel low-power motor, based on airflow mechanics principle, arc-shaped large-diameter inlet design to reduce turbulence generated to ensure low noise operation of the system.
2. Reasonable duct design, optimized net press box, with micro-mesh design layer outflow wind deflector convex, no dead ends, to ensure the uniformity and stability of the airflow.
3. Standard early-efficient and efficient double-filter, primary filter to avoid airflow dust particles to enter and extend the life of high efficiency filter. High efficiency filter without clapboard HEPA, retention efficiency of 99.99%.
4. According to the customer's requirements, CLEANFLOW™ series with the vertical flow and horizontal airflow



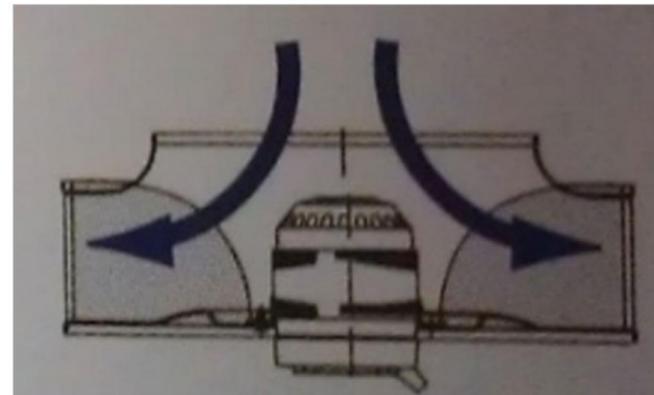
Vertical airflow



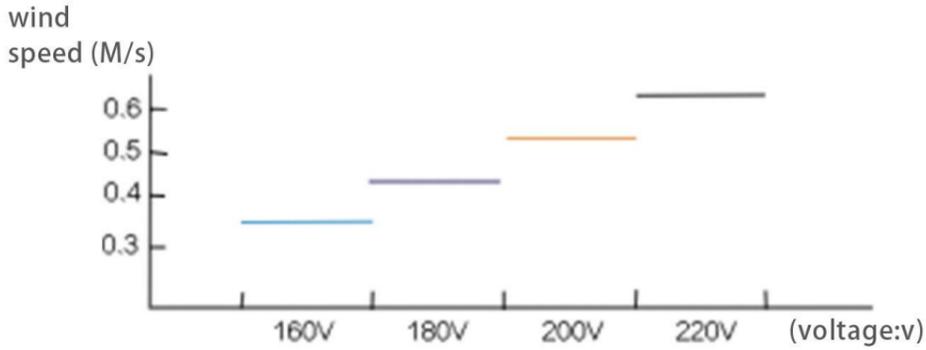
Horizontal Airflow



Mesh equipment wind deflector

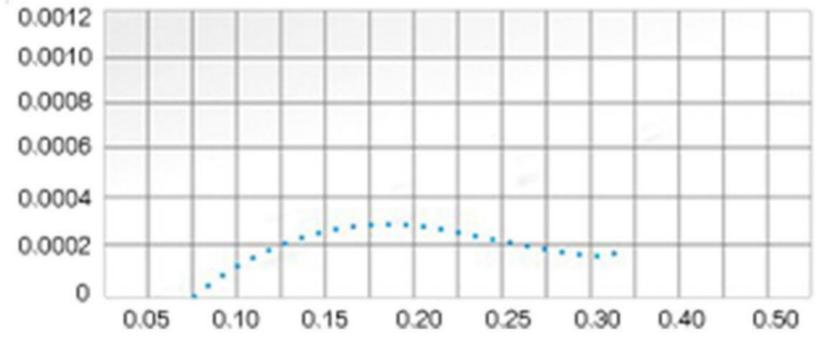


Maintenance-free efficient fan system



airflow uniform and stable tecknology

penetration rate%



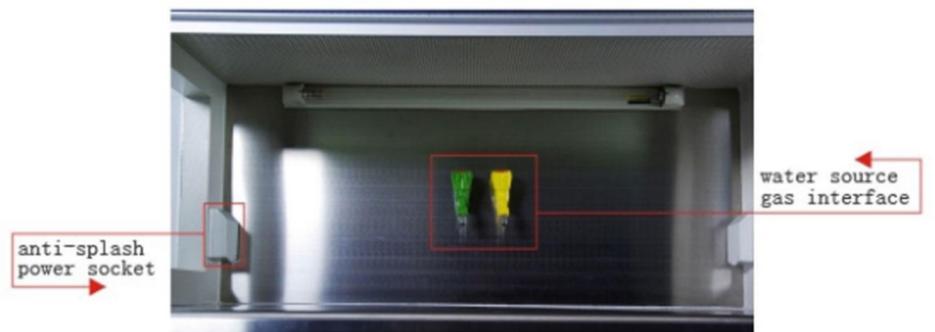
**airborne particle(μ m)
high efficiency filter system**

international units	air cleanliness class (N)		more than or equal to maximum density limit value of (PC/m ³) particle diameter in the form					
	imperial units		0.1μm	0.2μm	0.3μm	0.5μm	1μm	5μm
ISO Class 1	--		10	2	--	--	--	--
ISO Class 2	--		100	24	10	4	--	--
ISO Class 3	1級		1000	237	102	35	8	--
ISO Class 4	10級		10000	2370	1020	352	83	--
ISO Class 5	100級		100000	23700	10200	3520	832	29
ISO Class 6	1000級		1000000	237000	102000	35200	8320	293
ISO Class 7	10000級		--	--	--	352000	832000	2930
ISO Class 8	100000級		--	--	--	3520000	8320000	29300
ISO Class 9	--		--	--	--	35200000	83200000	293000

Classification of air cleanliness of international standard ISO14464-1ed damage.

Qualified Sensor

- 1.The front overall tilt design, low noise operation, increase operation comfort;
- 2.Standard with gas water interface, splash-proof power outlet to facilitate the experiments carried out smoothly;
- 3.With weight up and down sliding front door, can be anchored;
- 4.Built-in lighting system to provide the best illumination angle and brightness, reduce visual fatigue;
- 5.On both sides of translucent double-glazed side windows, to enhance the light permeability, and non-convex design of the work area, no death and no spoiler design.
- 6.The platform using an anti-corrosion resistance of SUS304 stainless steel plate forming the front of the arc-shaped design, and increase operator comfort.



Easy to clean

.The early effect of the filter core and the air inlet stencil a shape, facilitate regular on the early effect of filter element folding loading and cleaning.

.The polished design of the work surface as a whole, without pits, no dead ends on both sides and a minimum of stitching design, easy to clean and disinfect.



Modern manufacturing processes

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.

Convenient maintenance

- 1.Removable combination tripod, easy to transport and move, Stand height adjustable;
- 2.Eversion design of the front control panel to facilitate the electrical components, maintenance and replacement;
- 3.In order to make the device able to achieve long-term cleanliness requirements, it is recommended to the early effect of the equipment and high efficiency filter in use for some time to clean or replace.



The front panel



Primary Filter

Comparison of series	JHP	JHZ	SW-bench top	SWP	SWZ
Controller					
LCD screen	●(With filter failure reminder)	●(With filter failure reminder)	●	●	●
Brand accessories					
ST bi type thyristor	●	●			
Philip chip	●	●			
Taiwan optical coupler	●	●			
Worktable material					
SUS304 st. steel	●	●			
201 st. steel			●	●	●
Ergonomic design					
Front overall tilt type design	●	●	●	●	●
Flip front door maintenance	●	●			
Positioned front door	●	●			
Centrifugal fan					
Large-diameter centrifugal fan	●	●		●	●
High temperature resistant bearing	●	●			
Double filter	●	●		●	●
Laminar direction					
horizontal	●		●	●	
vertical		●	●		●
Gas and water tap Electric outfit	●	●			
Fan speed adjustable	●	●	●	●	●
CLEANFLOW technology	●	●			
Clean grade	ISO Class5 (209E 100)				
Lighting and UV lamp	●	●	●	●	●
interlocking function					
Assembly support	●	●		●	●
Warranty	3 years		2 years		

Kenton

Together with Researchers

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

KENTON APPARATUS LIMITED

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 domestic and abroad for many years. We rely 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.

<https://www.kentonchina.com>

E-mail: kenton@kentonchina.com

**Adds: No.2, Hualong Rd, Donghua industrial zone,
Renhe town, Baiyun district, Guangzhou China**

Tel: 86-020-36246586, 36247961, 36246650, 36246651

