



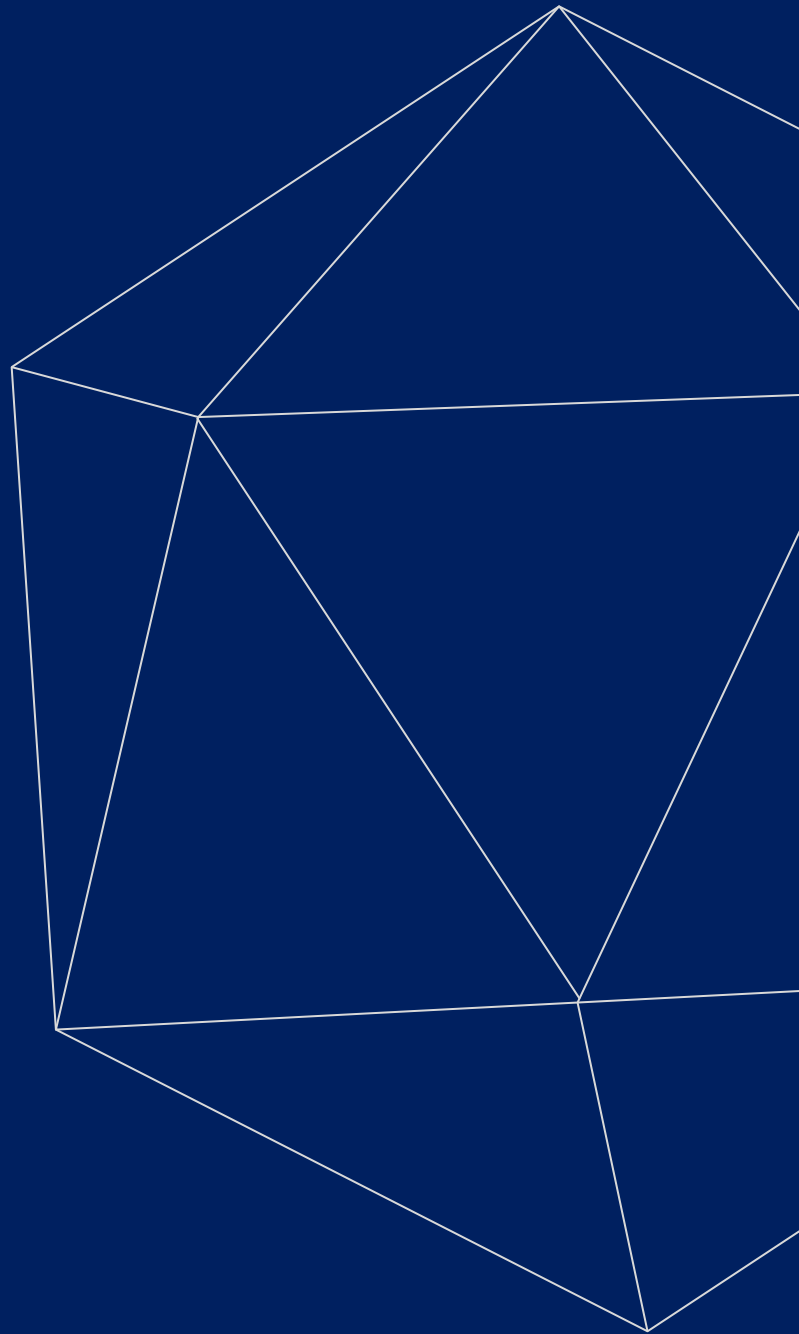
LABORATORY LINES

LAMINAR FLOW CABINETS



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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.



Horizontal Laminar Flow Cabinet

Serie YR05266-1



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

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.

Convenient maintenance

- ✓ Removable combination tripod, easy to transport and move, Stand height adjustable.
- ✓ Eversion design of the front control panel to facilitate the electrical components, maintenance and replacement.
- ✓ 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.

Applicable in the field of protection of biotechnology, pharmaceutical, life sciences and precision electronic products. YR series clean bench combined with perfect airflow mechanical design for the operator to create a partial purification work environment so that experiments can be carried out smoothly. CE certification, two years warranty period.

Product Introduction

- ✓ Integrated LCD dot matrix LCD display, real-time display the status of lighting, sterile, air flow and other parameters.
- ✓ User-friendly design, with sterilization, lighting, interlock functions to protect the operator from UV light burns and ensure safe operation.
- ✓ Wind speed multi-level adjustable, the air volume can be adjusted according to the user.

CLEANFLOW™ clean air technology :

- ✓ 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.
- ✓ 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.
- ✓ 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%.
- ✓ According to the customer's requirements, CLEANFLOW™ series with the vertical flow and horizontal airflow

Ergonomically designed

- ✓ The front overall tilt design, low noise operation, increase operation comfort.
- ✓ Operating room standard with gas water interface, splash-proof power outlet to facilitate the experiments carried out smoothly.
- ✓ With weight up and down sliding front door, can be anchored.
- ✓ Built-in lighting system to provide the best illumination angle and brightness, reduce visual fatigue.
- ✓ 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.
- ✓ The platform using an anti-corrosion resistance of SUS304 stainless steel plate forming the front of the arc-shaped design and increase operator comfort.



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Horizontal Laminar Flow Cabinet

Serie YR05266-1



Model	YR05266-1
Cleanliness Rating	The international ISO 14644.1 standard, CLASS 5 (U.S. Federal 209E, 100 level)
Wind Speed	0.3~0.6m/s(Adjustable)
Noise (dB)	≤62
Vibration half peak	≤3μm (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
Overall size (mm)(H×W×D)	1585×990×735
Inner size (mm)(H×W×D)	500×830×550
Voltage(V)/	AC220V/50Hz
Power (W)	200
Net weight (KG)	120
Shipping weight(KG)	130
Packing size(mm) (H×W×D)	1030×1180×855



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HORIZONTAL LAMINAR FLOW

Features



UV sterilization lamp



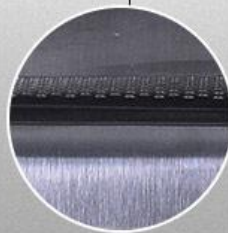
Control panel



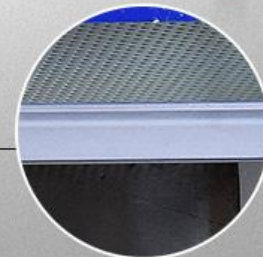
Light lamp



Universal wheel



Desktop arc design



Weight-balance up and down sliding door



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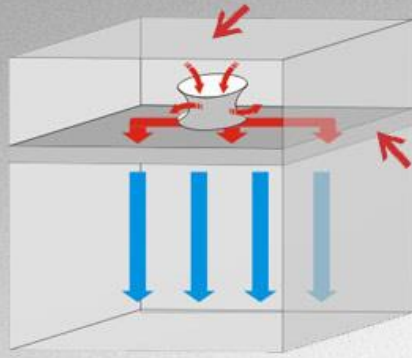


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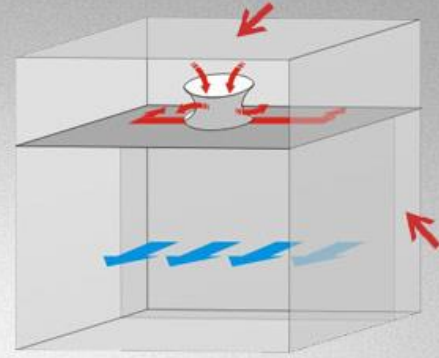


HORIZONTAL LAMINAR FLOW

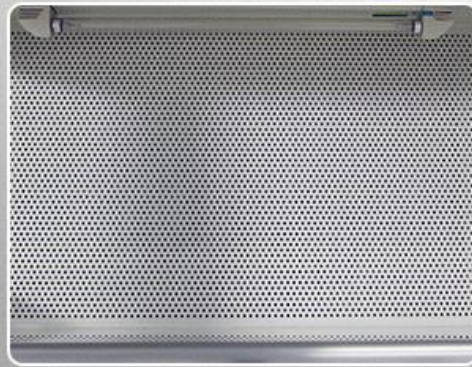
CLEANFLOW™ clean air technology



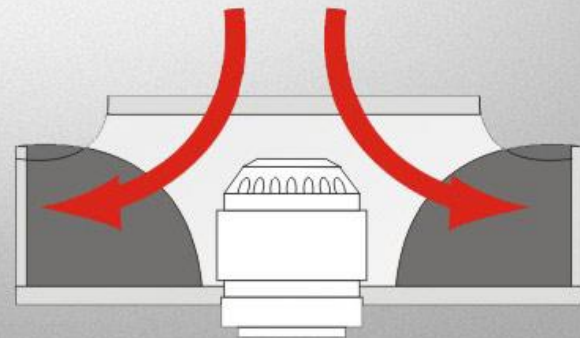
⊕ Vertical layer airflow (SWZ series)



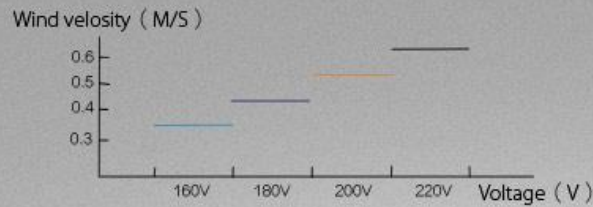
⊕ Horizontal layer airflow (JHP series)



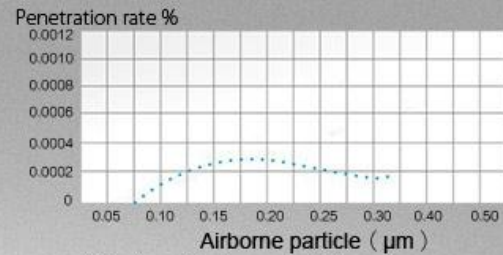
⊕ Mesh design wind board



⊕ No maintenance high efficiency fan system



Airflow uniform and stable technology




High efficiency filter system

Air cleanliness class		More than or equal to maximum density limit value Of particle diameter in the form (pc/m ³)					
International units	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	1Class	1000	237	102	35	8	--
ISO Class 4	10Class	10000	2370	1020	352	83	--
ISO Class 5	100Class	100000	23700	10200	3520	832	29
ISO Class 6	1000Class	1000000	237000	102000	35200	8320	293
ISO Class 7	10000Class	--	--	--	352000	832000	2930
ISO Class 8	100000Class	--	--	--	3520000	8320000	29300
ISO Class 9	--	--	--	--	35200000	83200000	293000

Classification of air cleanliness of international standard ISO14644-1



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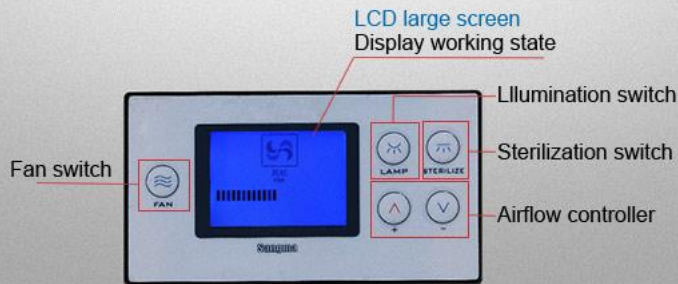


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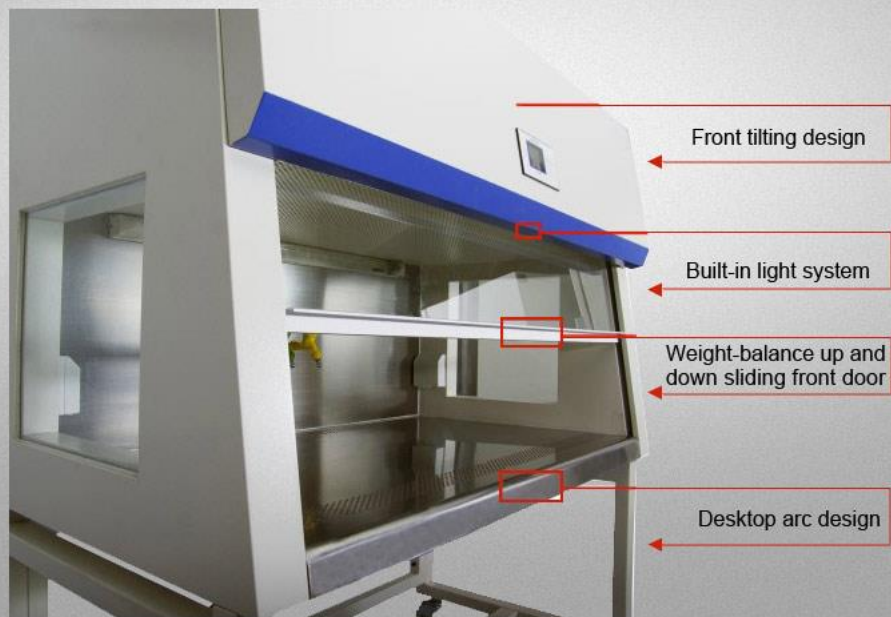
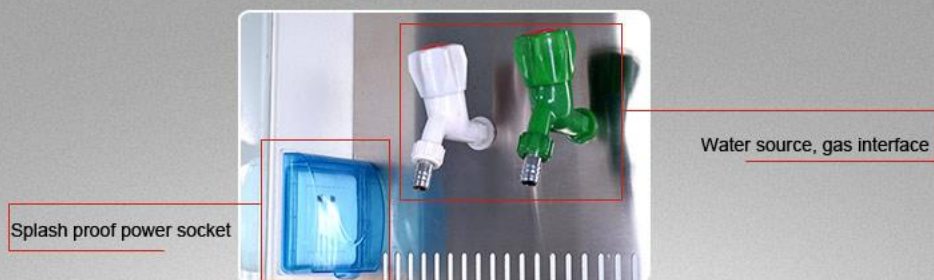


HORIZONTAL LAMINAR FLOW

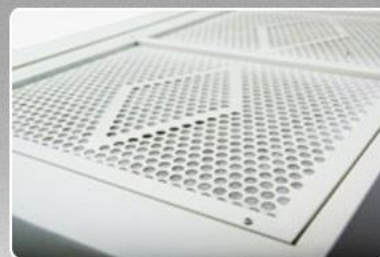
SANGMA™ microcomputer control technology



Ergonomic design



⊕ Maintenance is convenient



⊕ Clean and convenient



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Operation chart:



1

Press the power switch





2

Press the set button



3

Set time and temperature

(  Select up and down key)



4

Set up to complete

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

Scope



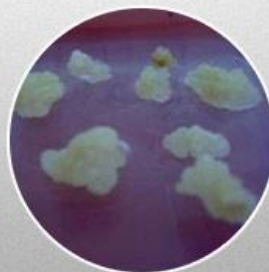
Pharmaceuticals



Life sciences



Precision electronic



Tissue culture



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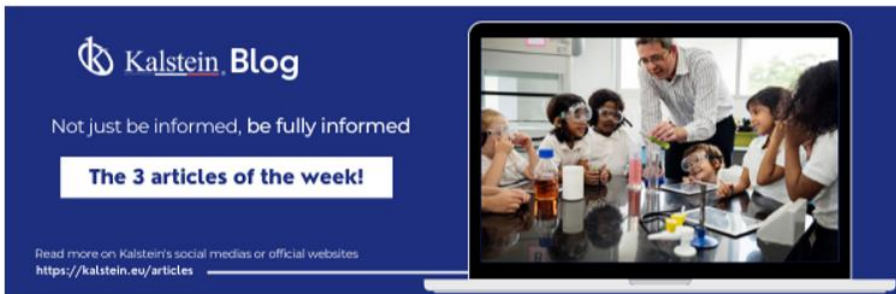
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Kalstein Blog
Not just be informed, be fully informed

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 small objects. This is achieved through the use of lenses or a system of mirrors that collect and focus light from the object being observed.

Kalstein Blog

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

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2
Read this ARTICLE NOW

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

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What is the importance of the laboratory refrigerator?

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