



LABORATORY LINES

BIO SAFETY CABINETS



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A different accompaniment, at your service





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In Kalstein France, we take care of the full satisfaction of our customers, that is why we provide value-added services of the highest level based on our experience.



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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.



Biological Safety Cabinet Class II A2

YR05270 – YR05271



Product Introduction

- ✓ Equipped with German EBM high air flow and low energy consumption fan, 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, optimization of the plenum tank, with the design of micro-shaped mesh layer outflow wind deflector, non-convex, no dead ends, to ensure uniformity and stability of the airflow.
- ✓ Equipped with long life exhaust HEPA and down flow ULPA, >99.995% efficient at 0.12-micron sizes.
- ✓ BIOCASSION series BSC have two types:
- ✓ A2 Type : 70% inner circulation, 30% exhaust.
- ✓ B2 Type : 100% exhaust.
- ✓ Work zone width : 1000mm and 1300mm



Biological safety cabinets is clean equipment in biological experiments, to prevent damage of the experimental operation of poisonous and harmful airborne particles, in order to protect the safety of the operator and the environment in the experiment.

Kalstein bioaction series biological safety cabinet provide reliable security, standard with a HEPA filter to protect product and environment; plenum leak prevention technology, stable inflow speed system, LCD screen, microcomputer control technology, especially for biological contamination of a variety of high-risk experiments;

✓ SAFELOGIC™ Plenum leak-proof technology

- Around the work zone at the top and side wall plenum design, so that the discharge of polluting gases completely in a plenum environment, work with indoor backplane to a molding design, effective way to avoid the possibility of leakage.
- Equipped with the accurate pressure sensor to monitor the pressure of the working area, where there is abnormal situation such as breakage of the filter zone of negative pressure seal failure, the system will automatically stop the fan running, and through sound and light alarm prompts the operator, thus avoiding due to leakage caused damage.

✓ Ergonomically design

- Ergonomically angled front. Increase operating comfort, reduce work fatigue.
- Equipped with splash electrical outlet. The Weight-Balance front window can move up and down freely.
- INSIDE lighting system to provide the best illumination angle and brightness, reducing visual fatigue.
- Front windows with explosion-proof, anti-ultraviolet tempered glass, to better protect the safety of the operator.



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Biological Safety Cabinet Class II A2

YR05270 – YR05271



Excellent imported sensor

- Air Velocity Sensor and Pressure Plenum Sensor
- Imported air velocity sensors collect data of high precision, the performance of corrosion-resistant, anti-interference ability.
- Real-time monitoring and control cabinet status.
- Imported pressure plenum sensor responsive, effective monitoring the pressure of the work zone and plenum.

Easy to clean

- Working surface with anti-corrosion wear of SUS304 stainless steel plate forming a seamless, leak-proof, easy cleaning use.
- Under the working surface with the drain valve, easy to clean and emissions.

STABLEFLOW™ Stable fan speed system :

- High air flow fan, the system will automatically track and adjust the air volume and pressure, to balance the role of compensation, with the design of micro-shaped mesh layer outflow wind deflector, so that more air flow stability and uniformity.

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.

BIOCASION™ Microcomputer controller system

- The integrated LCD screens. Display inflow/down flow speed, pressure, filter life, failure alarm and other parameter status.
- The user-friendly design, with sterilization, lighting, interlock function, frond window over high alarm and front window closed then the fan shut down.
- Fan speed is adjustable according to need to adjust the appropriate amount of fan.



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 BSC able to achieve long-term safety requirements, it is recommended that the user to clean or replace the HEAP of the BSC in use for some time.



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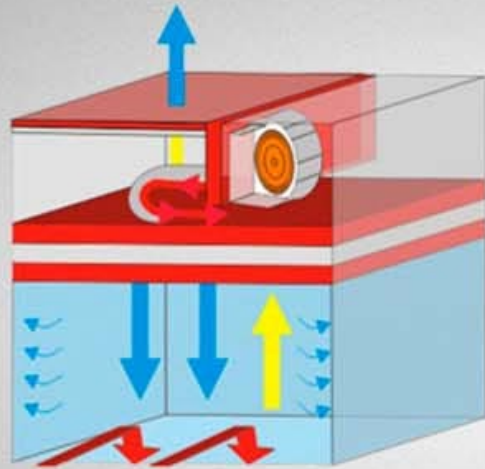
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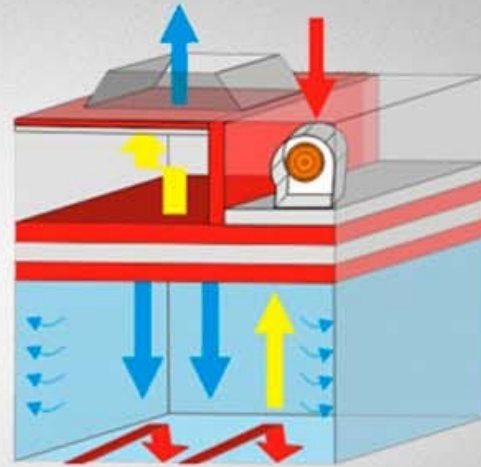
CLEANFLOW™ clean air technology



Low energy consumption motor

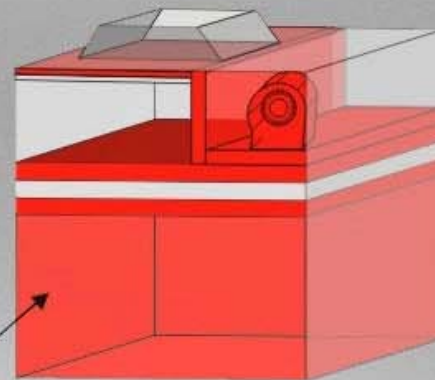


YR05270 // YR05271 (70% inner circulating, 30% discharge)



YR05270-1 // YR05271-1 (100% Discharge)

SAFELOGIC™ plenum leak-proof technology



Chamber negative pressure



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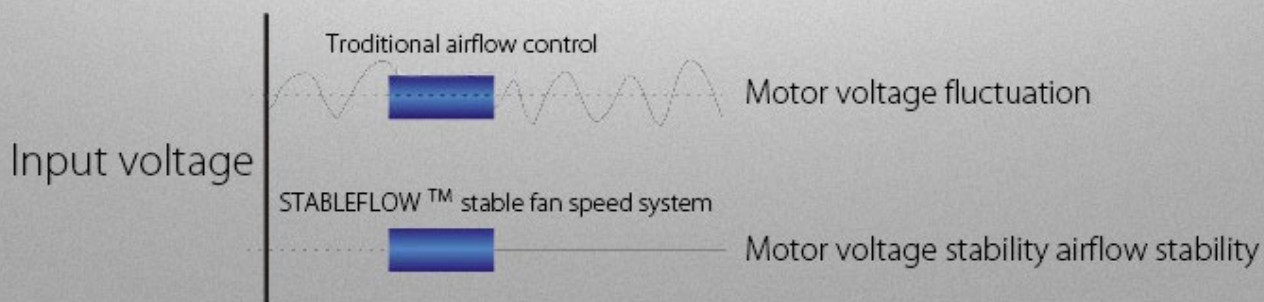
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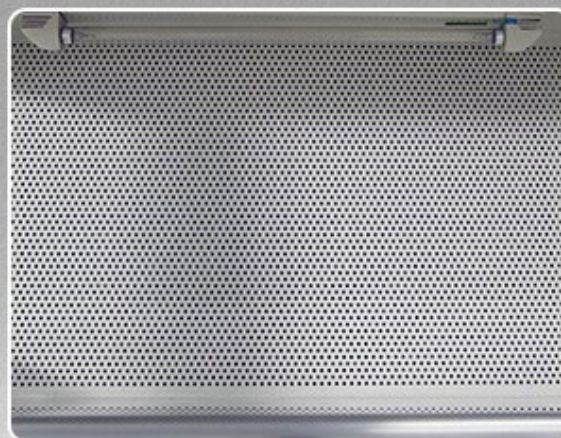
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STABLEFLOW™ stable fan speed system



Mesh design wind board



⊕ Air velocity sensor



⊕ Pressur difference sensor



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BIO SAFETY CABINETS

Scope



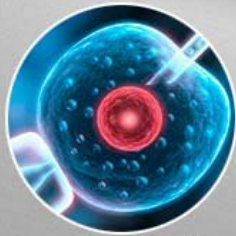
Disease control



Chemical pharmacy



Health care



High risk biology experiment



Safety protection equipment



Toxic air suspended particles

Super durable

Super intelligence

Super environmental protection

Super benefits

Super convenience

Super fine



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Biological Safety Cabinet Class II A₂

YR05270 – YR05271



Product Model	YR05270	YR05271
Clean Rating	International standard ISO14644.1 CLASS 5(US209E,CLASS 100)	
Inflow Velocity	0.53m/s	
Down Flow Velocity	0.35m/s	
Down Flow Velocity Precision	±0.015m/s	
Noise Level(dB)	≤65	
Vibration	≤3μm(X、Y、Z direction)	
HEPA	efficiency 99.995%	
Light Intensity(LX)	≥650	
Pressure Difference Range (Pa)	0~500	
Operate Environment	environment temp.10-30°C,relative humidity under 70%, no obvious vibration and dust	
External Dimensions(H*W*D) (mm)	206 × 103.5 × 74	206 × 134 × 74
Dimension Of Working Zone(H*W*D) (mm)	67 × 96.5 × 56	67 × 127 × 56
Power Supply	Single-phase voltage source AC220V/50HZ	
Power (W)	300	350
Net Weight(KG)	175	210
Gross Weight (KG)	195	235
Package Size (H*W*D) (cm)	165 × 120.5 × 91	165 × 151 × 91



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