



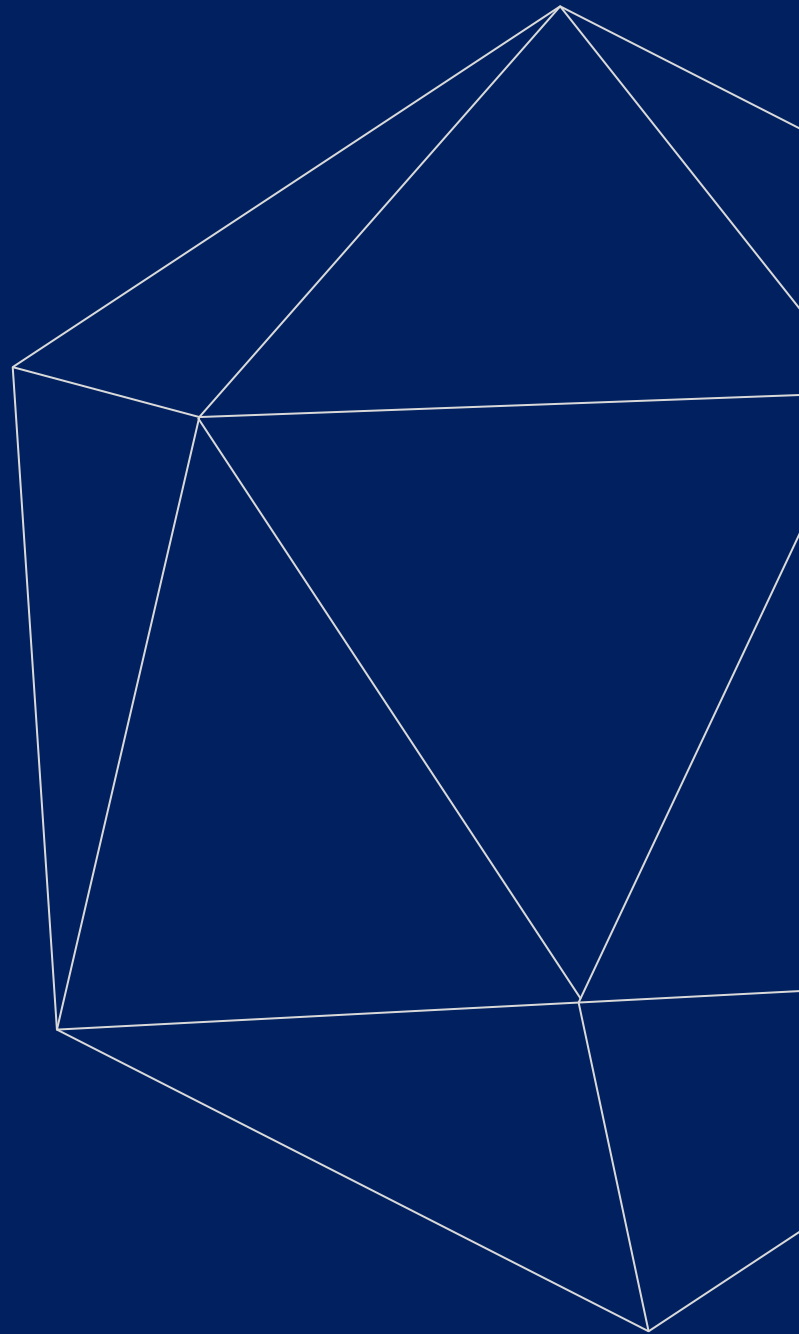
LABORATORY LINES

FUME HOOD



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KALSTEIN® Fume Hood Model Series YR05815



FUME HOOD YR05815



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PRODUCT PARAMETERS

	Bench Top	External size	Internal size	Power
Bench Top	YR05820	120*80*150	95*63*115	≤ 1000W
	YR05821	150*80*150	125*63*115	≤ 1000W
	YR05822	180*80*150	155*63*115	≤ 1000W
Floor mounted	YR05823	120*80*235	95*63*115	≤ 1000W
	YR05824	150*80*235	125*63*115	≤ 1000W
	YR05825	180*80*235	155*63*115	≤ 1000W
Wind speed	Inhalation port wind speed: 0.3-0.8m ³ /s		Air volume: 600-1200m ³ /h	
Voltage withstand	1500V one minute no breakdown		Grounding Resistance: <0.1	
Voltage	AC220±20V,50HZ AC220+20V, 50HZ			
Vibration value	VThe net amplitude of vibration between 10Hz and 10KHz is less than 5m (rms)			
noise	In the front center of the cabinet, 300 mm from the front window, 380 mm above the working table. When the ambient noise is not more than 50 dB, the noise value is less than 62 dB (A)			



Desktop fume hood



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FLOOR MOUNTED NON-WATER FUME HOOD

suitable for anhydrous testing

Perfect local exhaust hood can obtain the best control effect with a smaller air volume, and ensure that the concentration of harmful substances in the work area meets the requirements of the national health standards.

FLOOR MOUNTED NON-WATER FUME HOOD

worktop with laboratory special faucet and PP sink, with water retaining plate around the worktop

Perfect local exhaust hood can obtain the best control effect with a smaller air volume, and ensure that the concentration of harmful substances in the work area meets the requirements of the national health standards.



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INSTALLATION

- 1 Installation tool: Phillips screwdriver or hand drill (customer-supplied).
- 2 Installation conditions: the exhaust wall hole has been opened or the exhaust pipe has been installed.
- 3 Fume hood upper plate installation steps: Left and right steel sides plate - Back plate - Window - Roof plate - Lamp tube - Collector hood - Fan - Duct - Front plate - Desktop finished.



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4. Fume hood bottom plate installation steps

Left and right side plates of bottom panel- Door frame - Back plate - Bottom plate - Door plate adjustment - Move the upper seat to the bottom plate - The upper and bottom parts need to be aligned with the back - Fix the upper and bottom plate - Exhaust pipe connection - Countertop - Faucet, sink installation and inlet and outlet pipe connection (with water type) - floor mounted fume hood finished.



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INSTALLATION DETAILS

1: Lamp and related screw fittings



2: Gas collecting hood and related screw fittings



3: Reinforcing rod and related screw fittings



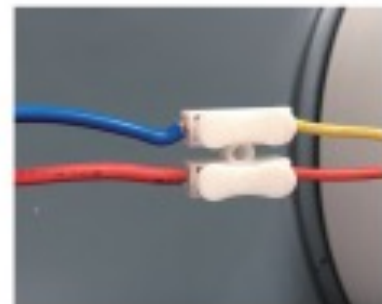
4: Effect of lamp installation



5: Effect of Lamp wiring connection



6: Effect of fan wiring connection



7: Worktop, faucet and sink



8: Inlet and drain pipe



9: Balance hammer



10: Axial Fan(F9-100 and above) diameter:ø250mm



11: PP centrifugal fan(F9-100 and above) diameter:ø250mm



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FUNCTIONS

The purpose of the fume hood is to remove the harmful gases generated in the experiment, to protect the health of the experimenter, and have a highly safety and superior operability

1. Release function: it shall have the function to dilute the harmful gas generated inside the fume hood by absorbing the gas outside the fume hood.
2. No backflow function: the airflow generated by the exhaust fan inside the fume hood shall have the function of not reversing the flow of harmful gases from inside the fume hood into the room.
3. Isolation function: in front of the fume hood, there should be a non-sliding glass window to separate the inside and outside of the fume hood.
4. Supplementary function: it shall have a passage or a substitute device for drawing air from outside the fume hood during the discharge of harmful gases.
5. Control wind speed function: having a certain inhalation speed to prevent toxic gas from overflowing. The factors that determine the suction speed of the air inlet of the fume hood are: the heat generated by the experimental content and the relationship with the number of air changes. The mainly are the experimental content and the nature of the harmful substances. Generally non-toxic pollutants are 0.25 ~ 0.38m / s, toxic or dangerous harmful substances are 0.4 ~ 0.5m / s, highly toxic or a small amount of radioactivity is 0.5 ~ 0.6m / s, gas is 0.5m / s, the granules are 1 m/s.
6. Anti-heat, anti-acid and alkali and anti-corrosion: worktop, lining board, side plate as well as water tap and gas valve are all have anti-corrosion function.

FEATURES

1. Shell: frame structure, material is 1.0 mm thick cold-rolled steel plate, mechanical bending molding surface by epoxy resin powder spray treatment, corrosion resistance in line with GB/ t3668-200x standard.
2. Lining board: 5mm thickness compact panel, the assembly screws are covered with a plastic cover to avoid contact with the gas in the cabinet and to maintain aesthetics.
3. Diversion system: 5mm thickness three-section deflector design compact panel, the harmful gas concentration is less than 0.5ML/M3, ensuring no residual gas.
4. Windows: can stay any position according to operation needs, the window frame and handle are made of 1.0mm thickness electrolytic steel plate and sprayed with epoxy resin powder.
5. Front plate: for stable airflow.
6. Worktop: solid core physicochemical board worktop, anti-acid, anti-alkali and anti-corrosion. (Other material worktops can be selected according to the requirements).
7. Key: power switch, lighting switch, the fan switch, and the standby switch are the operation indicators.
8. Voltage: 220V (optional 380V) meets international safety standards.
9. Socket: multi-purpose universal splash-proof socket for all types of plugs.
10. Lighting: LED lamp for laboratory



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INSTRUCTIONS

1. Fume hood installation adjustment level must be flat, otherwise it will affect the adjustment balance effect of window.
2. The electrical part of the fume hood must be installed by a professional person, the wiring of the fan must pay attention to the steering of the fan.
3. During operation, the fan motor switch must be activated first, after at end of the work, it is necessary to continue to exhaust for 15mins and then shut down the fan motor.
4. Up and down adjustment of the fume hood window directly affects the amount of exhaust air, plz move the sliding door glass to the normal position.
- 5 Daily use and maintenance of fume hood should be carried out according to panel instructions.
6. When the fume hood can't work normally, it needs to be repaired by professionals. The fume hood is guaranteed for one year. In case of man-made damage during this period, only the material fee will be charged.
7. The fume hood has the function of fixing the space range of ventilation. When the ventilation system is opened, the fume hood will effectively eliminate harmful gases and dust produced in the experimental process, create a good working environment for the laboratory and protect the health of the experimenters.
8. It has the functions of medicine cabinet and solvent storage cabinet.
9. Ventilation cabinet can be installed independently, and also can be connected with central ventilation system for experimental operation.
10. The height of the air duct installed in the ventilator should be above 2.6m from the ground. Smooth air passage must be provided before the window of the ventilator is adjusted to eliminate the possible countercurrent phenomenon in the operation area.



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MATTERS NEEDING ATTENTION

1. The fume hood as an important laboratory safety equipment, in order to ensure safety and normal use, please carefully read the instructions and precautions, and participate in appropriate laboratory safety and skills training.
2. Equipment should be avoided to place in the door, near the window or corridor where is the people walking around. It is forbidden to stretch your head inside during the experiment
3. Ensure that the power outlet has a good grounding. Turn off the power and unplug the plug when replacing the fluorescent lamp. The power of plug should no more than 1000W.
4. After the packaged, the cabinet should be stored at no more than 40 degrees centigrades, relative humidity of not more than 85%, well ventilated environment
5. In order to keep the door window clean, should often use a soft cloth to wipe, and away from HF acid and so on
6. Fume duct, fan etc. should be kept clean and maintenance. Do not store flammable or explosive materials in the fume hood.
7. Within the distance 150mm from the window, do not put any equipment, large experimental equipment should have sufficient space, should not affect the flow of air.
8. During operation, do not put soft, subtle items (such as: soft paper towels) on the table, so as not to be sucked into the negative pressure air duct and fan, and affect the equipment running.
9. It is forbidden to place all the tested substances in the fume hood without safety. If a chemical substance is spilled out, the power supply should be cut off.
10. Move up and down the window slowly and lightly, so as not to crush by the handle.
11. The company's product color is subject to the actual product.
12. Warranty: The warranty period of this equipment is 1 year (excluding consumables).



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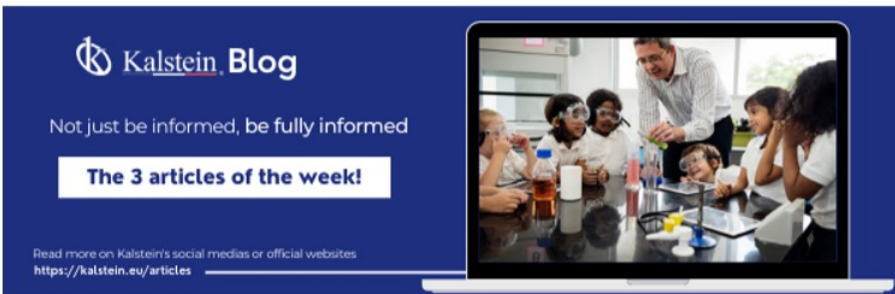
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refrigerator is a device that is one of the most used equipment in laboratories to maintain, in a controlled environment (refrigerated space), various fluids and substances.

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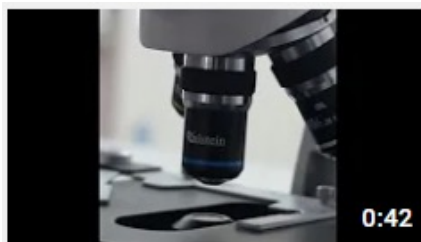
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PARIS - FRANCE
HEADQUARTER
2 Rue Jean Lantier
75001 Paris - France

Tlf: +33 (0) 01 78 95 87 89
Cel: +33 (0) 6 80 76 07 10
sales@kalstein.eu

<https://kalstein.eu/>
<https://www.kalstein.fr/>

