



DUCTED FUME HOOD BKI-101

DUCTED FUME HOOD BKI-101

DUCTED FUME HOOD



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: separate the inside and outside of the fume hood with non-sliding glass window in front of the fume hood.
4. Supplementary functions: there shall be a passage or a substitute device for drawing air from outside the fume hood during the discharge of harmful gases.

SPECIFICATIONS

Model	BKI-101
Internal Size (W*D*H)	690*530*740mm
External Size (W*D*H)	800*650*1900mm
Air volume	1850 m ³ /h
Surface wind speed	Adjustable
Noise	50db
Exhaust air diameter	250mm
Voltage	220V/110V
Rated power	2000W
Fan power	110W
Lighting	LED three anti - fluorescent lamp one
mesa	12.7mm solid physical and chemical board
The shell	Cold rolled steel plate 1.0mm thick, coated with epoxy resin
Move the slide door	5mm thick tempered glass window, travel medical stay at any height
Alt Name	Ducted Fume Hood

FEATURES

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: separate the inside and outside of the fume hood with non-sliding glass window in front of the fume hood.
4. Supplementary functions: there shall be 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. Heat and corrosion resistance of acid and alkali: some of the fume hood to place the electric furnace, some experiments produced a large number of acid and alkali and other toxic and harmful gases have a strong corrosion. The countertop of fume hood, lining board,

side board and choose water nozzle, air nozzle and so on should have anticorrosive function. In the semiconductor industry or corrosive experiments in the use of sulfuric acid, nitric acid, hydrofluoric acid and other strong acid occasions also require the fume hood of the overall material must be acid-proof, must be made of stainless steel or PVC materials.

7. 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.

8. Window: no stage balanced design, can stay any position according to operation requirement. Window frames and handles are made of cold rolled steel plate 1.0 mm thick mechanical bending molding and sprayed by epoxy resin powder foam, which not only enhances the stretching function, but also reduces the turbulence phenomenon.

9. Working table: solid core physical and chemical board table, acid, alkali, corrosion resistance. (other material surface can be selected according to the use requirements).

10. Function button: set the main power switch, lighting switch, fan switch, standby switch as one operation indicator light eye-catching.

11. The electrical system is equipped with 220V/110V (optional 380V) to meet the safety transportation standards. The daily use management of the fume hood is explained on the indicator panel.

12. Socket: the use of five-hole socket, ultra-wide hole design, suitable for two or three non-interference.

13. Lighting: LED lamp for laboratory.



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com