



DUCTED FUME HOOD BKI-301

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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.

SPECIFICATIONS

Model	BKI-301
Internal Size (W*D*H)	950*630*1150mm
External Size (W*D*H)	1200*800*2350mm
Air volume	600-1200m ³ /h
wind speed	Inlet wind speed: 0.3-0.8m ³ /s
pressure	No breakdown per minute at 1500V
Grounding resistance	≤0.1Ω
voltage	220/110V
Vibration value	Net amplitude of vibration between frequency 10Hz and 10KHz ≤5m (RMS)
noise	Noise value ≤62dB(A) under the condition that the environmental noise is no more than 50dB.
Main Body	1.0mm thickness cold-rolled steel with epoxy resin powder coating
Inner Size	5mm thickness compact, resistant to strong acid and alkali
Work Top	12.7mm thick black solid core physical and chemical board countertop, can also be ceramic, marble, stainless steel table panel
Standard Accessory	10A socket,fan,duct,LED,speed governor,faucet(water type),sink(water type)
Optional Accessory	LCD panel,electric damper>manual damper,gascock,drip rack
Alt Name	Ducted Fume Hood

FEATURES

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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.

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. 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.

9. Diversion system: 5mm thickness three-section deflector design compact panel, the harmful gas concentration is less than 0.5ML/M3, ensuring no residual gas.

10. 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.

11. Front plate: for stable airflow.

12. Worktop: solid core physicochemical board worktop, anti-acid, anti-alkali and anti-corrosion. (Other material worktops can be selected according to the requirements).

13. Key: power switch, lighting switch, the fan switch, and the standby switch are the operation indicators.

14. Voltage: 220V/110V (optional 380V) meets international safety standards.

15. Socket: multi-purpose universal splash-proof socket for all types of plugs.

16. Lighting: LED lamp for laboratory.



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