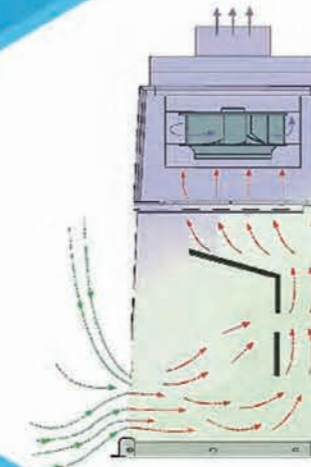# Fume Hood

Fume Hood is used to protect lab environment and operator during general chemical applications. It actively protects operator from inhaling toxic vapors and dramatically reduces the risk of fire and explosion. By installing proper filter, it can also protect environment.

Fume Hood

ADVANTAGE

1. Adjustable air speed: 9 level
2. Manual front glass window, height adjustable
3. With air velocity memory function in case of power failure.
4. PP Built-in axial flow blower, melamine board inward, resistant to acid, alkali, and anti-corrosion.

TECHNICAL PARAMETERS

Model		FH1000(E)	FH1200(E)	FH1500(E)	FH1800(E)
External Size(W*D*H)		1000*800*2365mm	1200*800*2365mm	1500*800*2465mm	1800*800*2465mm
Internal Size(W*D*H)		790*635*820mm	990*635*820mm	1290*635*820mm	1590*635*820mm
Work Surface Height		900mm			
Max Opening		750mm			
Air Velocity		0.3~0.8m/s			
Noise		≤60dB			
Exhaust Duct		PVC, Standard length: 4 meters φ300mm			
Pipe Strap		2 pcs	2 pcs	2 pcs	4 pcs
LED Fluorescent Lamp		8W*1	12W*1	16W*1	16W*1
Blower		PP Built-in axial flow blower; Speed adjustable		PP Built-in centrifugal blower; Speed adjustable	
Front Window		Manual, 5mm toughened glass, height adjustable			
Power Supply		AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Consumption		400W	400W	500W	500W
Material	Exterior	1.0mm cold-rolled steel with bacteria power coating.			
	Interior	High grade melamine board with good acid and alkali resistance function			
	Work table	Chemical resistant phenolic resin			
Standard Accessory		Water tap, Water sink, Waterproof socket*2, LED fluorescent lamp, PP Built-in axial flow blower, Total load of 2 waterproof sockets: 500W, 4 meters PVC exhaust duct, pipe strap			
Optional Accessory		Gas tap			
Gross Weight		252kg	282kg	311kg	346kg
Package	Main Body	1150*950*1750mm	1350*950*1750mm	1650*950*1850mm	1950*950*1850mm
	Base Cabinet	1150*950*1080mm	1350*950*1080mm	1650*950*1080mm	1950*950*1080mm

LED Display
Digital LED display: Airflow Level

Waterproof Socket

Universal Wheel

Water Remote Control

Water Tap

Water Tap & Water Sink

Fume Hood

ADVANTAGE

1. UV Lamp for sterilization.
2. Built-in centrifugal blower.
3. Motorized front glass window.
4. Adjustable air speed: 9 levels.
5. Microprocessor control system, LED display.
6. Double-layer structure: 1.2mm sheet metal surface, melamine board inward.

TECHNICAL PARAMETERS

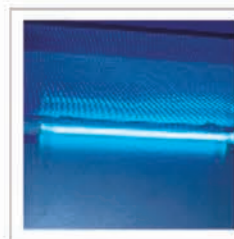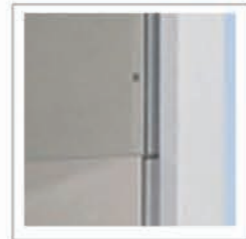| Model		FH1000	FH1200	FH1500	FH1800
External Size (W*D*H)		1000*750*2320mm	1200*800*2345mm	1500*800*2345mm	1800*800*2345mm
Internal Size (W*D*H)		820*620*750mm	1020*670*750mm	1320*670*750mm	1620*670*750mm
Work Surface Height		850mm			
Max Opening		520mm	570mm	570mm	570mm
Air Velocity		0.3~0.8m/s			
Protection Class		Class I			
Protection Type		IP 20			
Noise		≤60dB			
Exhaust Duct		PVC, Standard length: 4 meters. Φ300mm			
Pipe Strap		1 pc			
Fluorescent Lamp		14W*1	21W*1	28W*1	36W*1
UV Lamp		Emission of 253.7 nanometers for most efficient decontamination			
Blower		Built-in centrifugal blower; Speed adjustable			
Front Window		5mm toughened glass; Motorized; Height adjustable			
Power Supply		AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Consumption		400W	400W	500W	500W
Material	Exterior	Cold-rolled steel with anti-bacteria powder coating.			
	Interior	High grade melamine board with good acid and alkali resistance function			
	Work table	Chemical resistant phenolic resin			
Standard Accessory		UV lamp*2, Fluorescent lamp, Water tap, Gas tap, Water sink, Base cabinet, Pipe strap			
		Total load of 2 waterproof sockets: 500W			
		4 meters PVC exhaust duct			
Optional Accessory		Active carbon filter			
Gross Weight		272kg	302kg	331kg	366kg
Package	Main Body	1150*900*1870mm	1350*950*1920mm	1650*950*1890mm	1950*950*1900mm
	Base Cabinet	1150*900*960mm	1350*950*900mm	1650*960*910mm	1950*960*910mm

LED Display
Digital LED display: Airflow Level

Water&Gas Tap
Water Sink

UV Lamp
Emission of 253.7 nanometers for most effcient decontamination.

Double Layers
1.2mm sheet metal surface, melamine board inward

Fume Hood

BIOBASE

ADVANTAGE

1. UV lamp for sterilization.
2. Motorized front glass window.
3. Adjustable air speed: 9 levels.
4. Alarm when filter working time 3500 hours.
5. With air velocity memory function in case of power failure.
6. Back side air compensation, to avoid turbulence in work area.
7. 10°slope front ergonomics design, fatigue-free working posture.
8. Microprocessor control system, LED display shows filter working time .
9. Transparent side glass windows maximize light and visibility inside the cabinet, providing a bright and open working environment.

TECHNICAL PARAMETERS

Model	FH1000(X)	FH1200(X)	FH1500(X)	FH1800(X)
External Size (W*D*H)	1000*840*2150mm	1200*840*2150mm	1500*840*2150mm	1800*840*2150mm
Internal Size (W*D*H)	880*730*745mm	1080*730*745mm	1380*730*745mm	1680*730*745mm
Max Opening	520mm			
Work Surface Height	750mm			
Blower	Built-in centrifugal blower; Speed adjustable with 9 levels			
Air Velocity	0.3~0.8m/s			
Noise	≤60dB			
Fluorescent Lamp	18W*1	18W*1	36W*1	36W*1
UV Lamp	Emission of 253.7 nanometers for most efficient decontamination			
Front Window	Motorized; 5 mm toughened glass, anti-UV			
Material	Exterior Body: Cold-rolled steel with anti-bacteria powder coating. Work table: Chemical resistant phenolic resin			
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Consumption	400W	400W	500W	500W
Standard Accessory	Water tap, Gas tap, Water sink, Base stand, UV lamp*2, Fluorescent lamp. FH1000(X) with one waterproof socket consumption not more than 500W, the rest models with two waterproof sockets consumption not more than 500W, 4 meters exhaust duct, Active carbon filter, Foot switch			
Gross Weight	230kg	253kg	280kg	340kg
Package Size(W*D*H）	1230*1120*1680mm	1350*1120*1680mm	1650*1120*1680mm	1950*1120*1680mm

LED Display
Digital LED display: Airflow Level

Water & Gas Tap Water Sink

Foot Switch
Use foot switch to adjust the height of front window.

Observation Window
Transparent side glass windows maximize light and visibility inside the cabinet.

Back Side Air Compensation
To aviod turbulence in work area

Fume Hood

ADVANTAGE

1. UV lamp for sterilization.
2. Adjustable air speed: 9 levels.
3. Motorized front window, height adjustable.
4. Microprocessor control system, LED display.

TECHNICAL PARAMETERS

Model		FH1000(A)	FH1200(A)	FH1500(A)	FH1800(A)
External Size (W*D*H)		1040*800*2200mm	1240*800*2200mm	1540*800*2200mm	1840*800*2200mm
Internal Size (W*D*H)		820*670*730mm	1020*670*730mm	1320*670*730mm	1620*670*730mm
Work Surface Height		850mm			
Max Opening		500mm			
Air Velocity		0.3~0.8m/s			
Noise		≤60dB			
Exhaust Duct		PVC, Standard length: 4 meters. Φ300mm			
Pipe Strap		1 pc			
Fluorescent Lamp		14W*1	21W*1	28W*1	36W*1
UV Lamp		Emission of 253.7 nanometers for most efficient decontamination			
Blower		Built-in centrifugal blower; Speed adjustable			
Front Window		5mm toughened glass; Motorized; Height adjustable			
Power Supply		AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Consumption		400W	400W	500W	500W
Material	Exterior	Cold-rolled steel with anti-bacteria powder coating.			
	Interior	High grade melamine board with good acid and alkali resistance function			
	Work Table	Chemical resistant phenolic resin			
Standard Accessory		UV lamp*2, Fluorescent lamp, Water tap, Gas tap, Water sink, Base cabinet			
		Total load of 2 waterproof sockets: 500W			
		4 meter PVC exhaust duct, pipe strap			
Optional Accessory		Active carbon filter			
Gross Weight		230kg	270kg	370kg	420kg
Package	Main Body	1190*990*1690 mm	1390*990*1690 mm	1690*990*1690mm	1990*990*1690mm
	Base Cabinet	1290*990*980mm	1390*990*980mm	1690*970*970mm	1990*990*980mm

LED Display

Waterproof Socket

Water&Gas Remote Control

Double Layer
1.2mm sheet metal surface, melamine board inward.

Walk-in Fume Hood

Water Sink

Water & Gas Remote Control Valve

Water & Gas Tap

Application

Application

ADVANTAGE

1. Operators are available to walk into the fume hood to operator if needed.
2. Large room exhaust system, suitable for large laboratory instruments and equipment.

TECHNICAL PARAMETERS

Model		FH1200(W)	FH1500(W)	FH1800(W)
External Size (W*D*H)		1200*850*2200mm	1500*850*2200mm	1800*850*2200mm
Internal Size (W*D*H)		1000*650*1500mm	1300*650*1500mm	1600*650*1500mm
Max Opening		1150mm		
Exhaust Airflow Volume		1150m³/h	1500m³/h	1850m³/h
Inflow Air Velocity		≥0.4m/s		
Noise		62dB		
Vibration		XYZ direct ≤ 4μm		
Illumination		≥800Lux		
Fluorescent Lamp		21W*2	28W*2	40W*2
Power Supply		AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Consumption		400W	500W	500W
Front Window		Manual,Toughened glass, Anti UV		
Material	Exterior	1.2mm cold-rolled steel with bacteria powder coating.		
	Interior	High grade melamine board with good acid and alkali resistance function		
Standard Accessory		Blower(External), Fluorescent lamp, Water tap, Gas tap, PP cup sink, Remote control water valve, Remote control gas valve, Waterproof sockets*4. Ø300mm PVC Duct		
Sockets		Total load of 4 waterproof sockets: ≤500W		
Package Size(W*D*H)		1410*1050*2430mm	1710*1050*2430mm	2010*1050*2430mm
Exhaust Blower		970*810*580mm	970*810*580mm	970*810*580mm

PP Fume Hood

ADVANTAGE

1. It is safer to use anti-corrosive water tap.
2. Microprocessor control system, LCD display.
3. Made of porcelain white PP, resistant to strong acid, alkali and anti-corrosion.
4. Front window which is made of thick transparent toughened glass maximize light and visibility inside the fume hood, providing a bright and open working environment.

TECHNICAL PARAMETERS

Model		FH1000(P)	FH1200(P)	FH1500(P)	FH1800(P)
External Size (W*D*H)		1040*750*2200mm	1240*800*2200mm	1540*800*2200mm	1840*800*2200 mm
Internal Size (W*D*H)		820*520*872mm	1020*570*872mm	1320*570*872mm	1620*570*872 mm
Work Surface Height		700mm			
Max Opening		815mm			
Air Velocity		0.4~0.6m/s			
Noise		≤60dB			
Fluorescent Lamp		12W*1	30W*2	30W*2	30W*2
Blower		Built-in axial flow blower; Speed adjustable.			
Front Window		Manual, 5mm toughened glass, height adjustable.			
Power Supply		AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Consumption		330W	360W	360W	360W
Material	Main Body	Made of Porcelain white PP, thickness 8mm, resistant to strong acid, alkali and anti-corrosion			
	Work Table	Chemical resistant phenolic resin			
Standard Accessory		Fluorescent lamp, Water tap, Gas tap, Water Sink, Base cabinet			
		Waterproof socket*2			
		4 meters PVC duct, Diameter: 250mm			
Optional Accessory		PP work table, epoxy resin board or ceramic board.			
		Outer centrifugal blower, resistant to strong acid, alkali.			
Gross Weight		160kg	198kg	225kg	259kg
Package Size (W*D*H)	Main Body	1110*900*1870mm	1310*885*1575mm	1610*885*1575mm	1910*885*1575mm
	Base Cabinet	1110*790*950mm	1310*840*950mm	1610*840*950mm	1910*840*1575mm

LCD Display

Waterproof Socket

PP Sink
resistant to strong acid, alkali and anti-corrosion

Water&Gas Remote Control

Mobile Fume Extractor

INTRODUCTION

The mobile fume extractor is an air purification equipment which can provide the partial high pure environment. The airflow is vertical laminar flow type. It is widely used in medical research laboratories, precision instrument, bio-pharmacy, micro-organism studies and etc.

FEATURES

1. Freely moving, easy to operate and install.
2. The purification system consists of fan, primarily efficient filter, high efficient filter and activated carbon filter.
3. HEPA filter ensures the filtering efficiency to 99.999% efficiency at 0.3μm.

TECHNICAL PARAMETERS

Model	MFE-I
External Size(W*D*H)	500*500*980mm
Air Velocity	0.3~0.6m/s
Filter Efficiency	99.999% efficiency at 0.3μm
Noise	≤75dB(A)
Suction Inlet Diameter	375mm
Rated Power	180W
Power Supply	AC110/220V±10%, 50/60Hz
Package Size	750*450*450mm (Extracting arm)
	570*570*1025mm (Purification system)
Gross Weight	15kg (Extracting arm)
	61kg (Purification system)

Clean Booth (Down Flow Booth)
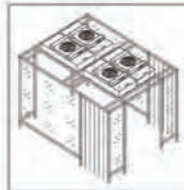
BIOBASE

Customization Available

Reference Picture

Reference Picture

Design Drawing

Microprocessor Control
Users can control the fan, light, UV and adjust the air velocity with it.

FFU(Fan Filter Unit), which draws in contaminated air from the top of the module, and exhausts filtered clean air vertically in a unidirectional (laminar) air stream at its base, is a self-contained fan and filter module for clean room applications.

Soft Wall Material
PVC anti-static dustproof curtain.

INTRODUCTION

Clean booth is a kind of air purifying equipment providing partial high clean environment, It's the easiest and fastest way to build a simple clean room. Equipped with a lot of clean level and space collocation, it can be designed as request. Main characteristics: simple use, good flexibility, easy installation, short construction time, and movable. It can be installed in part of clean room of general level which requires high cleanliness to save cost.

FEATURES

1. Customized design is welcomed.
2. It can be used singly or combined.
3. Compared with civil type and fabricated type clean room of hundred clean level, it has low running cost and fast effect and can be easily installed.
4. Modular construction, easy to increase clean level, good expansion and reusable, convenient movement (Universal wheel can be installed).

TECHNICAL PARAMETERS

Model	BKCB-1500	BKCB-2000	BKCB-3000	BKCB-5000
External Size（W*D*H）	1500*2000*2500mm	2000*3000*2500mm	3000*4000*2500mm	5000*5000*2500mm
HEPA Filter	99.999% efficiency at 0.3μm			
Consumption	500W	800W	1000W	1600W
Weight	350kg	420kg	570kg	820kg
FFU Nos.	4 pcs	6 pcs	12 pcs	25 pcs
Clean Level	ISO 5 (Class 100), Class A			
Control System	Microprocessor control system			
Rectangular Tube Material	Cold-rolled steel with anti-bacteria powder coating			
Wall Material	Anti-static dustproof curtain			
Blower	Built-in centrifugal blower; speed adjustable			
UV Lamp	Emission of 253.7 nanometers, with UV timer			
Air Velocity	0.1~0.6m/s,average 0.45m/s			
Noise	≤58db			
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Gross Weight	310kg	670kg	720kg	1300kg
Package Size(W*D*H)	2150*880*900mm 2300*700*500mm	1200*1200*950mm 1200*1200*950mm 3150*1200*950mm	2200*1180*950mm 2200*1180*950mm 2150*1100*450mm	2200*1180*950mm 2200*1180*950mm 2200*1180*950mm 2200*1180*950mm 2650*1300*550mm

Customized design for clean level, size or material is available

Dispensing Booth (Sampling or Weighing Booth)

Customization Available

Reference Picture

Reference Picture

Air Flow Pattern

Differential Pressure Gauge
Dwyer make Magnehellc gauges are used to measure the pressure drop HEPA filter 0-500 Pa.

LCD Display
Microprocessor control system

Soft Wall Material
PVC anti-static dustproof curtain.

INTRODUCTION

Dispensing booth is a kind of partial purifying equipment for filling, refilling, weighing and sampling of raw material and compounds. It is provided with HEPA filter, which prevents the airborne dusts by down draught technique. The unit eliminates powder contamination to protect the operator and the surrounding environment.

Dispensing booth is also called sampling booth or weighing booth.

FEATURES

1. Customized design is welcome.
2. Unique designed air duct effectively controls the noise.
3. Smooth transitions of wall and ground can eliminate the blind angle.
4. Differential pressure gauge is equipped to real-time monitor the filters.
5. Intelligent control mode and alarm system ensure the reliability of running.
6. Automatic changeable frequency system monitors the air velocity to ensure its stability in the work area.
7. Uniform flow design of main working area can protects the operators and prevent environmental pollution and cross contamination of products.

TECHNICAL PARAMETERS

Model	BKDB-1200	BKDB-1800	BKDB-2400
Clean Level	ISO 5 (Class 100), Class A		
HEPA Filters	99.999% efficiency at 0.3μm		
Air volume	Supply air volume: ≤7500m³/h, Exhaust air volume: ≤2250m³/h; Adjustable		
Material	Fully stainless steel		
Air Velocity	0.35~0.65m/s, adjustable		
Noise	≤75db		
Illumination	≥800lux		
UV Lamp	Emission of 253.7 nanometers, with UV timer		
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Consumption	400W	800W	800W
Weight	150kg	200kg	250kg
Work Area Size(W*D*Y)	1200*1200*2000mm	1800*1800*2000mm	2400*1800*2000mm
Gross Weight	420kg	750kg	840kg
Package Size（W*D*H）	1500*2000*2650mm	2040*1680*2180mm 2040*1400*600mm 2040*1940*1060mm	2600*800*2150mm 2600*700*400mm 2600*1900*550mm

Customized design for clean level, size or material is available

Pathology Workstation

APPLICATION

Pathological sampling bench is widely used in hospital pathology department, pathology laboratory, etc. Reasonable ventilation system protects operator away from the harmful gas produced by the formalin during sampling. The hot & cold water system ensures it can adapt work in different climates.

ADVANTAGE

1. Odor-remove function.
2. Single water sink, two-person operations.
3. Exhaust air system: High-power suction device, low noise.
4. Optional water heater is available, realizing hot & cold water adjustment.
5. The base cabinet is inward-concave type, convenient for sitting operation.
6. Optional pulverizer can completely smash the waste during test, to avoid blocking drainage pipes.
7. Automatic flushing device, slightly right-side inclined worktable, easy for waste discharge and cleaning.

TECHNICAL PARAMETERS

Model		QCT-1000	QCT-1500	QCT-1800
External Size (W*D*H)		1000*750*1950mm	1500*750*1950mm	1800*750*1950mm
Working Area Size (W*D*H)		895*430*900mm	1395*430*900mm	1695*430*900mm
Work Surface Height		900mm		
Consumption		470W	520W	550W
Optional Water Heater		1500W		
Power Supply		AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Exhaust Airflow Volume		1150-1250m3/h		
Material	Main Body	304 stainless steel, thickness 1.2mm		
	Work Table	304 stainless steel, thickness 1.5mm		
Standard Accessories		Spotlight; UV lamp; Fluorescent lamp; Exhaust system;		
		Auto flushing device; Stainless steel hanger; Adjustable hot and cold water tap;		
		180mm deep stainless steel water sink, funnel with filter. Active carbon filter		
Optional Accessories		Pulverizer, Electrical water heater, Automatic induction hand dryer, Eye washer, Camera.		

Configuration
UV Light;
Fluorescent Light;
Adjustable Spotlight;
Stainless Steel Hanger;
"UV, FAN, LIGHT, PULVERIZER" Control.

Suction Inlet
Suction inlet adopts louver-type. The upper mouthing structure ensures above blower suction, avoiding air back-streaming.

Water Tap & Sink
Stainless steel;
Whole-structure.

Auto Flushing Design
Automatic flushing device, slightly right-side slope worktable, easy to waste discharge and cleaning.

Pulverizer (Optional)
Completely smash the waste during test, to avoid blocking drainage pipes.