IRIS ANALYTICAL



Fume Hoods

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Iris offers a wide variety of fume hoods for every laboratory application including general purpose hoods, ducted fume hoods, and Ductless Fume Hoods.

Ductless Fume Hoods are enclosures that pass contaminated air through a filter(s) before returning air to the room. Use for locations where outside ventilation can not be achieved. It can eliminate very high percentages of particulates and biological hazards. Select airborne chemical levels can be reduced to safe levels as verified with monitoring protocols.

Ducted Fume Hoods have ventilation to outside provide the most rigorous user protection, particularly for chemically dangerous fumes. Many employ "by-pass" designs, which enable consistent airflows in the enclosure for various sash positions. Low airflow designs provide user protection while minimising energy costs.

Fume Hood FHS-1000 Series

Fume Hood FHS-1400 is used to protect lab environment and operator during general chemical applications. It actively protects operator from inhaling toxic vapours and dramatically reduces the risk of fire and explosion. By installing proper filter, it can also protect environment.



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

LED Display:

Digital LED display:Airflow Level



Water & Gas Tap, Water Sink



Foot switch

Use foot switch to adjust the height of front window



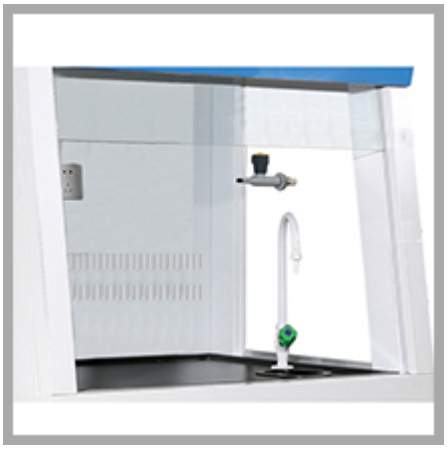
Observation Window

Transparent side glass windows maximize light and visibility inside the cabinet



Back Side Air Compensation

To avoid turbulence in work area



Model	FHS-1400		FHS-1500		FHS-1700		FHS-1900	
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	
Capacity (liters)	478		587		750		913	
Max Opening	520mm							
Work Surface Height	750mm							
Blower	Built-in centrifugal blowers; 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: Solid chemical-resistant phenolic resin							
Power Supply	220V/ 50Hz; 220V/ 60Hz; 110V/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 not more than 500W, the other model with two waterproof sockets 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*1680 mm		1350*1120*1680mm		1650*1120*1680mm		1950*1120*1680mm	
Electrical Requirement	110V	220V	110V	220V	110V	220V	110V	220V
Catalogue No.								

Fume Hood FHD-1000 Series

The FHD-1000 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.



- UV lamp for sterilization
- Adjustable air speed: 9 levels
- Motorized front window, height adjustable
- Microprocessor control system, LED display

LED Display



Waterproof Socket

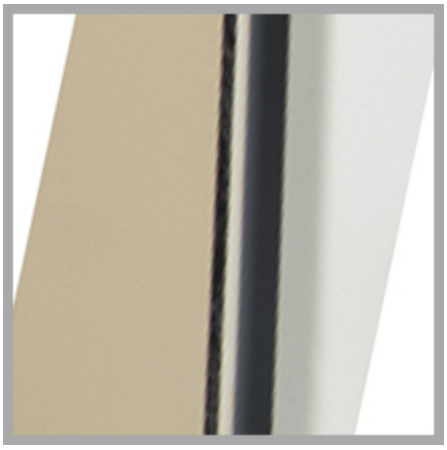


Water & Gas Remote Control Valve



Double Layer:

1.2mm sheet metal surface, melamine board inward.



Model		FHD-1400		FHD-1500		FHD-1600		FHD-1700	
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	
Capacity (liters)		401		498		645		792	
Work Surface Height		850mm							
Max Opening		500mm							
Air Velocity		0.3~0.8m/s							
Noise		?60dB							
Exhaust Duct		PVC, Standard length: 4 meters.							
		?300mm							
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		220V±10%, 60/50Hz?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	Phenolic resin							
Standard Accessories		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 Accessories		Active carbon filter							
Gross Weight		230kg		270kg		370kg		420kg	
Package Dimensions (mm)	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	
Electrical Requirement		110V	220V	110V	220V	110V	220V	110V	220V
Catalogue No.									

Fume Hoods FHT-1000 Series

The Fume Hoods FHT-1000 Seriesis 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.



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

LED Display:

Digital LED display: Airflow Level

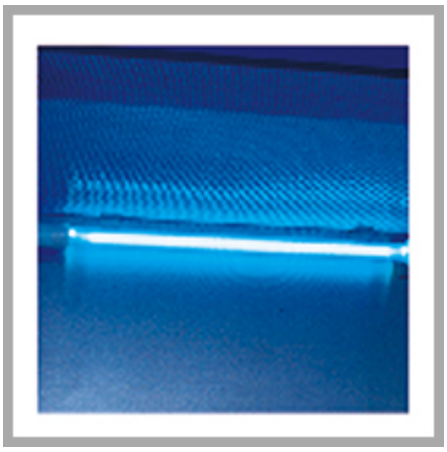


Water & Gas Tap Water Sink



UV Lamp

Emission of 253.7 Nanometers for most efficient decontamination.



Double Layers

1.2mm sheet metal surface, melamine board inward.



Model		FHT-1300		FHT-1500		FHT-1600		FHT-1800	
External Size (W*D*H) mm		1000*750*2320mm		1200*800*2345mm		1500*800*2345mm		1800*800*2345mm	
Internal Size (W*D*H) mm		820*620*750mm		1020*670*750mm		1320*670*750mm		1620*670*750mm	
Capacity (liters)		381		512		663		814	
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.							
		?300mm							
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		220V/ 50Hz; 220V/ 60Hz; 110V/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	Solid chemical resistant phenolic resin							
Standard Accessories		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 Accessories		Active carbon filter							
Gross Weight (kg)		272kg		302kg		331kg		366kg	
Package Dimensions (mm)	Main Body	1150*900*1870 mm		1350*950*1920mm		1650*950*1890mm		1950*950*1900mm	
	Base Cabinet	1150*900*960mm		1350*950*900mm		1650*960*910mm		1950*960*910mm	
Electrical Requirements		110V	220V	110V	220V	110V	220V	110V	220V
Catalogue No.									

Fume Hoods FHP-1000 Series

The FHP-1000 Series Fume Hood is used to protect lab environment and operator during general chemical applications. It actively protects operator from inhaling toxic vapours and dramatically reduces the risk of fire and explosion. By installing proper filter, it can also protect environment.



- It is safer to use anti-corrosive water tap.
- Microprocessor control system, LCD display
- Made of porcelain white PP, resistant to strong acid, alkali and anti-corrosion.
- 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.

LCD Display



Waterproof Socket



PP sink

Resistant strong acid, alkali and anti-corrosion



Water & Gas Remote Control Valve



Model		FHP-1300		FHP-1500		FHP-1600		FHP-1800	
External Size (W*D*H) mm		1040*750*2200mm		1240*800*2200mm		1540*800*2200mm		1840*800*2200 mm	
Internal Size (W*D*H) mm		820*520*872mm		1020*570*872mm		1320*570*872mm		1620*570*872 mm	
Capacity (liters)		371		506		656		805	
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 meter 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*835*1575 mm		1310*885*1575 mm		1610*885*1575 mm		1910*885*1575 mm	
	Base Cabinet	1110*790*950 mm		1310*840*950 mm		1610*840*950 mm		1910*840*1575 mm	
Electrical Requirement		110V	220V	110V	220V	110V	220V	110V	220V
Catalogue No.									

Walk-In Fume Hoods FHW-1000 Series

The FHW-1000 series Walk-in fume hood supply exhaust system for large laboratory instruments and equipment. Meanwhile, operators can walk into the fume hood to operate the equipment conveniently and directly.



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

FHW-1000 is widely used in bellow areas:

- Hospitals & Pharmaceutical
- R & D Centres
- Education Institutions
- Petroleum & Petrochemical Plants
- Other Industrial Projects

Water Sink



Water & Gas Remote Control Valve



Water & Gas Tap



Model		FHW-1000		FHW-1200		FHW-1500	
External Size (W*D*H) mm		1200*850*2200mm		1500*850*2200mm		1800*850*2200mm	
Internal Size (W*D*H) mm		1000*650*1500mm		1300*650*1500mm		1600*650*1500mm	
Internal Size (W*D*H) mm		975		1267		1560	
Max Opening (mm)		1150mm					
Exhaust Airflow Volume		1150m3/h		1500m3/h		1850m3/h	
Inflow Air Velocity		?0.4m/s					
Noise		62dB					
Vibration		XYZ direct ?4?m					
Illumination		?800Lux					
Fluorescent Lamp		21W*2		28W*2		40W*2	
Power Supply		220V±10%, 60/50Hz?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 Accessories		Blower(External) ,Fluorescent lamp, Water tap, Gas tap, PP cup sink, Remote control water valve, Remote control gas valve, Waterproof sockets * 4, ?300mm PVC Duct					
Waterproof Sockets		Total load of 4 waterproof sockets: ?500W					
Package Dimensions (W*D*H) mm		1410*1050*2430mm		1710*1050*2430mm		2010*1050*2430mm	
Exhaust Blower		970*810*580mm		970*810*580mm		970*810*580mm	
Electrical Requirements		110V	220V	110V	220V	110V	220V
Catalogue No.							



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