



Herasis
Lab Solutions

FUME HOODS LABORATORY EXTRACTION SYSTEM

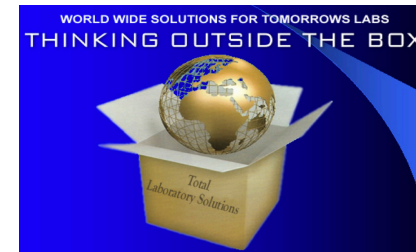




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Introduction



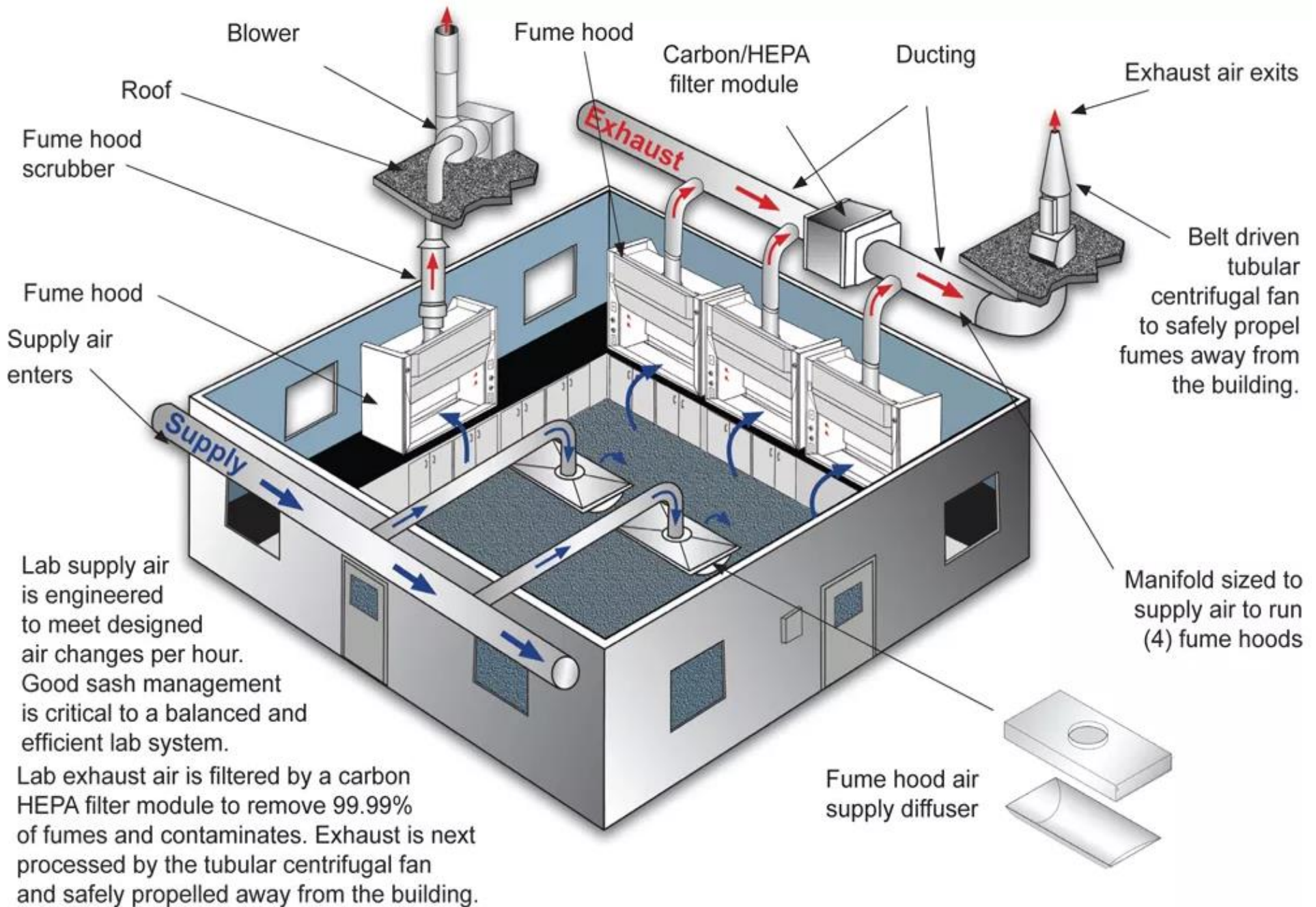
Laboratory fume hoods or fume cupboards represent the primary line of defense for personnel against exposure to harmful, toxic and dangerous fumes or chemicals as they are produced.

Fume hoods are essentially aerodynamic scavenging devices that remove dangerous fumes from a laboratory and expel it into the environment where it is sufficiently diluted to no longer pose a health risk.”

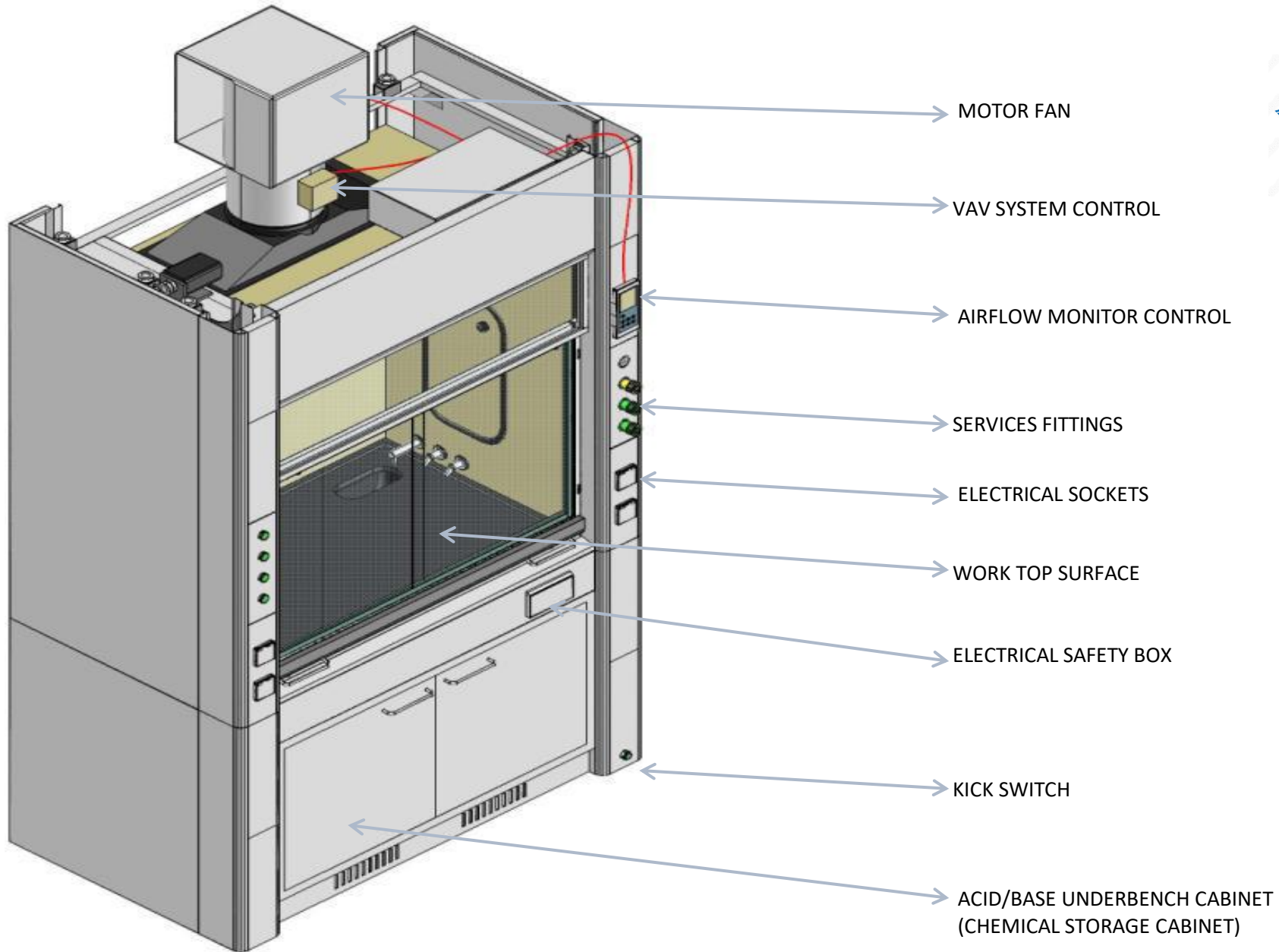
HERAIS fume hoods provide the highest levels of safety for laboratory personnel. Fume hoods when sized with an appropriate chemical resistant centrifugal exhaust fan will protect laboratory staff from exposure to harmful fumes.

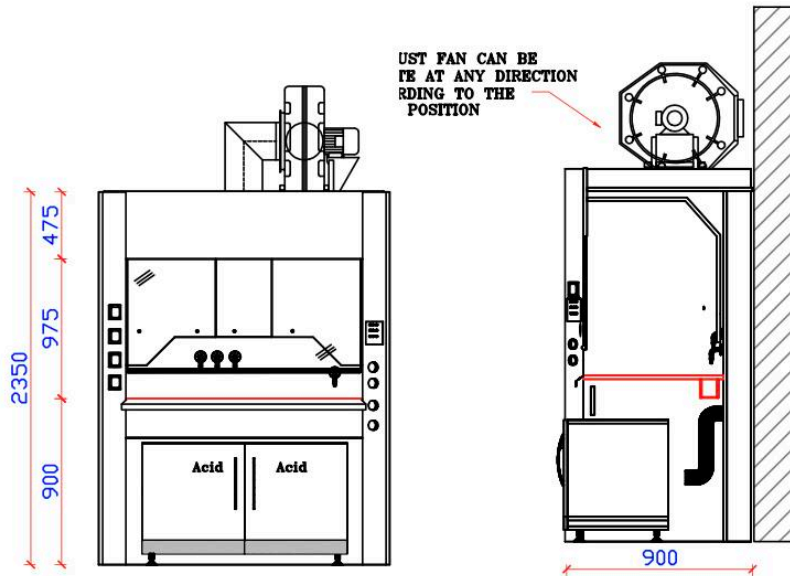


HERAIS is committed to making sound decisions to manage our environmental footprint and protect the environment.



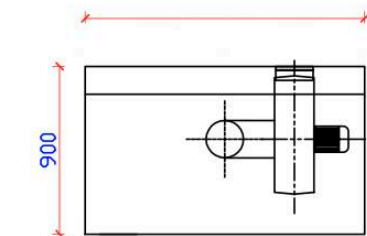
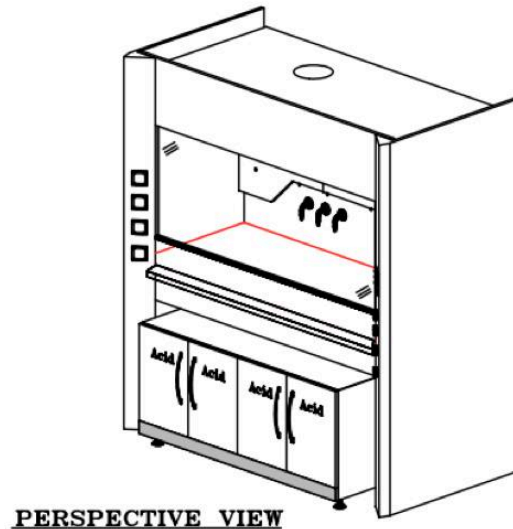
FUME HOODS





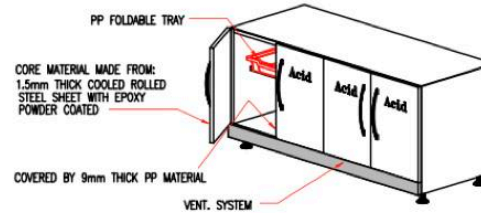
FRONT ELEVATION

SIDE VIEW

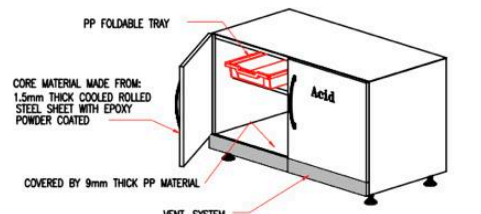


**PLAN VIEW
50150HE-90**

PERSPECTIVE VIEW



ACID/BAS CABINET



ACID/BAS CABINET

**FUME CUPBOARD
TECHNICAL DATA**

Dimension :1500x900x2350mm(LxDxH)

Top 19 mm CHEMICAL RESISTANT EPOXY RESIN TOP.
20 mm THICK PHENOLIC RESIN TOP.
25 mm THICK STAINLESS STEEL TOP.
19-25 mm CERAMIC TOP.

- > BODY COMPLETELY MADE OF 1.5mm THICK EPOXY POWDER COATED COLD ROLLED STEEL SHEET.
- > INCLUDING TEMPERED GLASS DOORS OPEN VERTICAL AND HORIZONTAL POSITION.
- > INCLUDING GAS, COMPRESSED AIR TAP, VACUUM TAP & WATER TAP (MADE BY TOF-ITALY) AND INCLUDING 4nos ELECTRICAL SOCKETS WITH WATER PROOF SYSTEM.
- > INCLUDING DRIP CUP SINK COLD WATER OUTLET.
- > INCLUDING 2nos OF FLUORESCENT LIGHTS.
- > AIRFLOW MONITOR INCLUDED CONTROL.
- > INCLUDING UNDER BENCH ACID/BAS CABINETS COVERED BY 9mm THICK PP MATERIALS.
- > INCLUDING MOTOR FAN AND DUCTS, (SEAT-FRANCE or PLASTIFER - ITALY or HOLLIS -GERMANY), WITH TOTAL EXHAUST 1000-1200CFM. SOUNDLESS TYPE. COMPLY WITHEN 14173-T3/EN 14175, COATED STEEL INTERIOR, ONE PIECE SASH WITH PANELS MADE OF LAMINATED SAFETY GLASS, LOW AIR FLOW RATE ,CONTROLLED BY DIGITAL AIR FLOW MONITOR ,AUTOMATIC FRONT SASH CONTROLLER SUITABLE FOR HANDLING RADIOACTIVE SUBSTANCES AND STRONG , CONCENTRATED MINERAL ACIDS.
- > CARBON FILTERS FOR APPLICATIONS INVOLVING XYLENE AND OTHER ORGANIC SOLVENTS.
- > VAV SYSTEM CONTROL WITH DAMPER ,XYLENE AND OTHER ORGANIC SOLVENTS.
- > FACE VELOCITY : 100FPM.
- > INCLUDING CHEMICAL RESISTANT DUCTING SYSTEM (STAINLESS STEEL or UPVC) :200-250mm DIA.

THE FUME HOOD SHALL CONFORM TO OCCUPATIONAL HEALTH &SAFETY (OSHA) STANDARD.



**PERSPECTIVE & ELEVATION VIEW FOR
FUME CUPBOARD**

HERAIS - CANADA
www.herais.net
higt@windowslive.com
Tel: + 1 (519) 800 1353



GENERAL SPECIFICATIONS (FH1200/ FH1500/ FH1800/ 2400 –WALK IN)

- * Dimension: 1200/1500/1800/2400 X 900 - 930 X 2380 mm H.
- * Top: 25 mm Chemical Resistant Epoxy resin top made by DURCON – USA. Or 20 mm Phenolic resin top. Or 24 mm thick Stainless-steel grade 316.
- * Body completely made of 1.5 mm thick epoxy powder coated cold rolled steel sheet.
- * Including tempered glass doors open vertical and horizontal positions. Including Gas, Water tap (Made by TOF – Italy), Explosion – proof four numbers of electrical sockets (water - proof system).
- * Including drip cup sink with cold water outlet.
- * Includes epoxy resin drip cup sink / SS 316 grade.
- * Fittings: Gases outlets (LPG....etc.), Vacuum, Compressed Air.....etc.
- * Including 2 Nos. of Explosion – proof fluorescents lights.
- * Airflow monitor control included.
- * Including under bench Acid/Base Cabinets (Flammable). Including motor fan and ducts. Seven speed s control.
- * Automated sash. Soundless.
- * Comply with EN 14173-T3/EN 14175, Coated steel Interior, One-piece sash with Panels made of laminated safety glass, Low air flow rate, Controlled by digital air flow monitor, Automatic front sash controller, Suitable for handling radioactive substances and strong, concentrated mineral acids. As per attached catalogues and drawings.
- * Explosion-proof Motor Fan is soundless type, or as per client special request.
- * Carbon filters for applications involving xylene and other organic solvents.
- * Bypass –VAV system control with damper.
- * Face velocity: 100 FPM.
- * Including chemical resistant ducting system (Stainless steel or UPVC): 200 -250 mm dia.
- * The fume hood shall conform to Occupational Health & Safety (OSHA) standards.
- * Safety Instructions included.

GENERAL PURPOSE FUME HOOD



HERAIS HE-FH General purpose Fume Hood is the most versatile fume hood available. While packed with features, performance and convenience are the key values within this Fume Hood series. Therefore, this model is suitable for various daily applications.

In addition, this model is tested against the ASHRAE 110 (Method of Testing Performance of Laboratory Fume Hoods) standards.

The ASHRAE 110 standard is one of the latest and most comprehensive methods for testing operator safety level of fume hoods. In order to do that, this HERAIS (HE-FH) series goes through tests qualitatively and repeatably to see how well the fume hoods contain the gases and vapors released in the work zone.

TECHNICAL DATA FOR GENERAL PURPOSE FUME HOODS

S. No.	Materials Description	Specifications
1	Dimension	<ul style="list-style-type: none"> • HE-FH1200: 1200 mm W x 900 mm D x 2380 mm H • HE-FH1500: 1500 mm W x 900 mm D x 2380 mm H • HE-FH1800: 1800 mm W x 900 mm D x 2380 mm H • HE-FH2400: 2400 mm W x 900 mm D x 2380 mm H (Walk In Fume Hood)
2	Surface Tops	25 mm thick Epoxy Resin worktop.
3	Body Structure	1.5 mm thick epoxy powder coated galvanized or cold rolled steel sheet. Internal body is fully covered with 6 mm thick chemical resistant acrylic covers.
4	Linear Material	Phenolic resin Laminate/ Polypropylene/ PVC/ Stainless Steel.
5	Under bench cabinet	Acid and flammable movable cabinets with 2 doors and 2 adjustable storage shelves (Completely covered with 6 mm PP). Under-bench Cabinets doors: * FH1200 & FH1500: 2 doors * FH1800: 4 doors
6	Sash	Manual or electrical opening control, with safety end stop. Made of 6 mm thick tempered glass. Sash Mechanism Type: Chain & Sprocket (Vertical). Maximum Sash Opening: 850 mm
7	Recommended Airflow Volume 0.5 m/s at 600mm sash opening	FH1200: 700 FH1500: 900 FH1800: 1100 FH2400 (Walk In Fume Hood): 1500
	Number of Exhaust Outlet	FH1200: 1 FH1500: 1 FH1800: 1 FH2400 (Walk In Fume Hood): 2
8	Water Fitting	Heavy duty, Epoxy coated, made by TOF (Italy).
9	Sink	Epoxy resin drip cup sink or PP drip cup.
10	Drainage System	Chemical resistant PP materials (PP Siphon and other accessories).
11	Gas Fittings	Heavy duty, Epoxy coated, made by TOF (Italy) or BROEN (Denmark).
12	Electrical Sockets	110-120 / 220-240 Volt, 15 AMP, 60 Hz., or any special requirements Water-proof cover included. Explosion proof as per the requirements.
13	Lights	2 fluorescents light internally are fixed. (Explosion-Proof).
14	Airflow Monitor control	Can be remote control (additional), controlling motor fan speeds, lights, temperature, on/off. (Safety Alarm System).
15	Motor Fan	High quality types, low noise type, build in with the fume hood body, 7 speeds 1500 rpm. Explosion-proof Motor Fan.
16	Ducts	PP duct or stainless-steel duct with 25 cm dia.
17	Size	1200 mm / 1500 mm/ 1800 mm / 2400 mm X 800 mm D X 2400 mm H
18	Filters	HEPA Filter / Carbon Active Filter / Chemical Filter
19	Bypass	VAV system control with damper
20	Controller	Standard Switch

PERCHLORIC ACID FUME HOOD



Perchloric acid is a clear substance that is a mineral acid. Its chemical formula is HClO_4 and it is made up of between 50% - 72% acid. It has no smell, is completely clear with no colour and is liquid when kept at room temperature.

However, it does pose some serious hazards including being corrosive to metals as well being harmful to skin and eyes. It provides a violent reaction when introduced to materials including wood, oil and plastic and requires a fume cupboard that has been for use with Perchloric acid to ensure that the oxidisers are unable to accumulate.

Specifically designed fume hoods are an essential purchase when you want to use this particular chemical. The main reason for this is so that the acid doesn't come into contact with materials that could corrode or explode, causing damage to the work area and danger to anyone in the vicinity.

HERAIS HEPCH-FC wash-down fume cabinets work to stop Perchloric salts from inadvertently forming which is important as the salts are highly sensitive and can explode when exposed to even the smallest vibration. However, before a unit can be used, the operator must be clear on the required procedure to ensure proper use.

TECHNICAL DATA FOR PERCHLORIC ACID FUME HOOD

S. No.	Materials Description	Specifications
1	Dimension	<ul style="list-style-type: none"> HE-FH1200: 1200 mm W x 900 mm D x 2300 mm H HE-FH1500: 1500 mm W x 900 mm D x 2300 mm H HE-FH1800: 1800 mm W x 900 mm D x 2300 mm H
2	Surface Tops	25 mm thick Epoxy Resin worktop.
3	Body Structure	1.5 mm thick epoxy powder coated galvanized or cold rolled steel sheet. Internal body is fully covered with 6 mm thick chemical resistant acrylic covers.
4	Linear Material	1.25 mm Thick Stainless Steel 316.
5	Under bench cabinet	Acid and flammable movable cabinets with 2 doors and 2 adjustable storage shelves (Completely covered with 6 mm PP). Under-bench Cabinets doors: * FH1200 & FH1500: 2 doors * FH1800: 4 doors
6	Sash	Manual or electrical opening control, with safety end stop. Made of 6 mm thick tempered glass. Sash Mechanism Type: Chain & Sprocket (Vertical). Maximum Sash Opening: 850 mm
7	Recommended Airflow Volume 0.5 m/s at 600mm sash opening	FH1200: 700 FH1500: 900 FH1800: 1100
	Number of Exhaust Outlet	FH1200: 1 FH1500: 1 FH1800: 1
8	Water Fitting	Heavy duty, Stainless Steel, made by TOF (Italy).
9	Sink	Epoxy resin drip cup sink.
10	Drainage System	Chemical resistant PP materials (PP Siphon and other accessories).
11	Gas Fittings	Heavy duty, Epoxy coated, made by TOF (Italy) or BROEN (Denmark).
12	Electrical Sockets	110-120 / 220-240 Volt, 15 AMP, 60 Hz., or any special requirements Made by MK (UK) or PANASONIC (Japan) or Clipsal (Australia). Water-proof cover included. Explosion proof as per the requirements.
13	Lights	2 fluorescents light internally are fixed. (Explosion-Proof).
14	Airflow Monitor control	Can be remote control (additional), controlling motor fan speeds, lights, temperature, on/off. (Safety Alarm System).
15	Motor Fan	High quality types, low noise type, build in with the fume hood body, 7 speeds 1500 rpm. Explosion-proof Motor Fan.
16	Ducts	PP duct or stainless-steel duct with 25 cm dia.
17	Size	1200 mm / 1500 mm/ 1800 mm / 2400 mm X 800 mm D X 2400 mm H
18	Filters	HEPA Filter / Carbon Active Filter / Chemical Filter
19	Bypass	VAV system control with damper
20	Controller	Standard Switch

RADIOISOTOPE FUME HOOD



HERAIS HEIX-FH Radioisotope fume hoods are made to offer the highest level of personnel and environment protection from radio-chemical applications in laboratories. It ensures the quick and effective removal of all hazardous radioactive fumes from spillages, handling or storing from the work chamber.

Features

- Stainless steel 316 linear as standard
- Effortless sash movement with chain and sprocket sash system.
- Seamless linear construction for easy cleaning and maintenance.
- Fully integrated stainless steel worktop with optional welded sink.
- Reinforced work surface to withstand heavy loads.
- filtration system included.

TECHNICAL DATA FOR RADIOISOTOP FUME HOOD

S. No.	Materials Description	Specifications
1	Dimension	<ul style="list-style-type: none"> HE-FH1200: 1200 mm W x 900 mm D x 2300 mm H HE-FH1500: 1500 mm W x 900 mm D x 2300 mm H HE-FH1800: 1800 mm W x 900 mm D x 2300 mm H
2	Surface Tops	25 mm Thick Stainless Steel 316 Work-top.
3	Body Structure	1.5 mm thick epoxy powder coated galvanized or cold rolled steel sheet. Internal body is fully covered with 6 mm thick chemical resistant acrylic covers.
4	Linear Material	1.25 mm Thick Stainless Steel 316.
5	Under bench cabinet	Acid and flammable movable cabinets with 2 doors and 2 adjustable storage shelves (Completely covered with 6 mm PP). Under-bench Cabinets doors: * FH1200 & FH1500: 2 doors * FH1800: 4 doors
6	Sash	Manual or electrical opening control, with safety end stop. Made of 6 mm thick tempered glass. Sash Mechanism Type: Chain & Sprocket (Vertical). Maximum Sash Opening: 850 mm
7	Recommended Airflow Volume 0.5 m/s at 600mm sash opening	FH1200: 700 FH1500: 900 FH1800: 1100
	Number of Exhaust Outlet	FH1200: 1 FH1500: 1 FH1800: 1
8	Water Fitting	Heavy duty, Stainless Steel, made by TOF (Italy).
9	Sink	Stainless Steel sink.
10	Drainage System	Chemical resistant PP materials (PP Siphon and other accessories).
11	Gas Fittings	Heavy duty, Epoxy coated, made by TOF (Italy) or BROEN (Denmark).
12	Electrical Sockets	110-120 / 220-240 Volt, 15 AMP, 60 Hz., or any special requirements Made by MK (UK) or PANASONIC (Japan) or Clipsal (Australia). Water-proof cover included. Explosion proof as per the requirements.
13	Lights	2 fluorescents light internally are fixed. (Explosion-Proof).
14	Airflow Monitor control	Can be remote control (additional), controlling motor fan speeds, lights, temperature, on/off. (Safety Alarm System).
15	Motor Fan	High quality types, low noise type, build in with the fume hood body, 7 speeds 1500 rpm. Explosion-proof Motor Fan.
16	Ducts	PP duct or stainless-steel duct with 25 cm dia.
17	Size	1200 mm / 1500 mm/ 1800 mm / 2400 mm X 800 mm D X 2400 mm H
18	Filters	HEPA Filter / Carbon Active Filter / Chemical Filter
19	Bypass	VAV system control with damper
20	Controller	Standard Switch

FULL STAINLESS STEEL FUME HOOD



HERAIS HESS-FH Fume Hoods are designed to contain and exhaust toxic, obnoxious or otherwise harmful gases, vapors, mist etc. to protect personnel and equipment. A motor driven blower creates Negative Pressure within the chamber, extracting the contamination air from work area and expels it into the atmosphere. The hood is ventilated of the air drawn from inside the laboratory which is used effectively for thorough sweep-out of the work chamber.

TECHNICAL DATA FOR STAINLESS STEEL FUME HOOD

S. No.	Materials Description	Specifications
1	Dimension	<ul style="list-style-type: none"> HE-FH1200: 1200 mm W x 900 mm D x 2300 mm H HE-FH1500: 1500 mm W x 900 mm D x 2300 mm H HE-FH1800: 1800 mm W x 900 mm D x 2300 mm H
2	Surface Tops	25 mm Thick Stainless Steel 316 Work-top.
3	Body Structure	1.5 mm Stainless Steel 316. 1.5 mm Stainless Steel 316.
4	Linear Material	1.25 mm Thick Stainless Steel 316.
5	Under bench cabinet	Acid and flammable movable cabinets with 2 doors and 2 adjustable storage shelves (Completely covered with 6 mm PP). Under-bench Cabinets doors: * FH1200 & FH1500: 2 doors * FH1800: 4 doors
6	Sash	Manual or electrical opening control, with safety end stop. Made of 6 mm thick tempered glass. Sash Mechanism Type: Chain & Sprocket (Vertical). Maximum Sash Opening: 850 mm
7	Recommended Airflow Volume 0.5 m/s at 600mm sash opening	FH1200: 700 FH1500: 900 FH1800: 1100
	Number of Exhaust Outlet	FH1200: 1 FH1500: 1 FH1800: 1
8	Water Fitting	Heavy duty, Stainless Steel, made by TOF (Italy).
9	Sink	Stainless Steel sink.
10	Drainage System	Chemical resistant PP materials (PP Siphon and other accessories).
11	Gas Fittings	Heavy duty, Stainless steel fittings made by TOF (Italy).
12	Electrical Sockets	110-120 / 220-240 Volt, 15 AMP, 60 Hz., or any special requirements Made by MK (UK) or PANASONIC (Japan) or Clipsal (Australia). Water-proof cover included. Explosion proof as per the requirements. With Stainless steel cover
13	Lights	2 fluorescents light internally are fixed. (Explosion-Proof) with Stainless steel cover.
14	Airflow Monitor control	Can be remote control (additional), controlling motor fan speeds, lights, temperature, on/off. (Safety Alarm System).
15	Motor Fan	High quality types, low noise type, build in with the fume hood body, 7 speeds 1500 rpm. Explosion-proof Motor Fan.
16	Ducts	PP duct or stainless-steel duct with 25 cm dia.
17	Size	1200 mm / 1500 mm/ 1800 mm / 2400 mm X 800 mm D X 2400 mm H
18	Filters	HEPA Filter / Carbon Active Filter / Chemical Filter
19	Bypass	VAV system control with damper
20	Controller	Standard Switch

WALK IN FUME HOOD HE-FH2400



HERAIS HEWI-FH offers a wide range of Walk in fume hood to suit every specific application of the user. It is floor mounted, dual layered, designed to isolate a work process within a larger workspace so as to not cross contaminate between various applications.

Used in Clinical, Research Field, Laboratories,

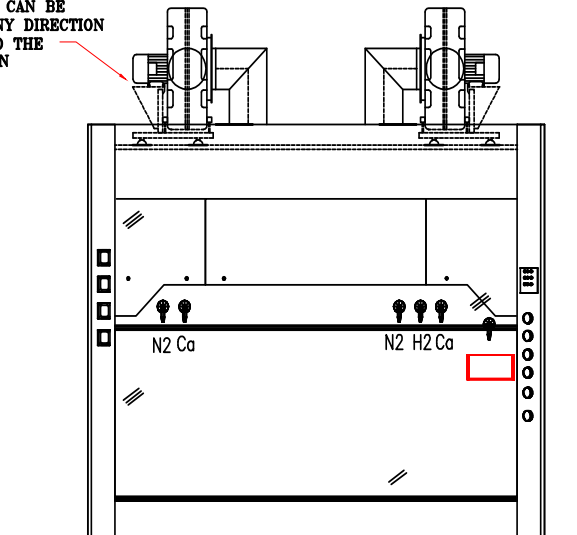
Micro-organism studies. Also known as Floor-mounted lab hoods.

TECHNICAL DATA FOR WALK IN FUME HOOD

S. No.	Materials Description	Specifications
1	Dimension	2400 mm W x 900 mm D x 2380 mm H (Walk In Fume Hood)
2	Body Structure	1.5 mm thick epoxy powder coated galvanized or cold rolled steel sheet. Internal body is fully covered with 6 mm thick chemical resistant acrylic covers.
3	Linear Material	Phenolic resin Laminate/ Polypropylene/ PVC/ Stainless Steel.
4	Sash	Manual or electrical opening control, with safety end stop. Made of 6 mm thick tempered glass. Sash Mechanism Type: Chain & Sprocket (Vertical). Maximum Sash Opening: 1700 mm
5	Recommended Airflow Volume 0.5 m/s at 600mm sash opening	FH2400 (Walk In Fume Hood): 1500
6	Number of Exhaust Outlet	FH2400 (Walk In Fume Hood): 2
7	Water Fitting	Heavy duty, Epoxy coated, made by TOF (Italy).
8	Sink	Epoxy resin drip cup sink or PP drip cup.
9	Drainage System	Chemical resistant PP materials (PP Siphon and other accessories).
10	Gas Fittings	Heavy duty, Epoxy coated, made by TOF (Italy) or BROEN (Denmark).
11	Electrical Sockets	110-120 / 220-240 Volt, 15 AMP, 60 Hz., or any special requirements Water-proof cover included. Explosion proof as per the requirements.
12	Lights	4 fluorescents light internally are fixed. (Explosion-Proof).
13	Airflow Monitor control	Can be remote control (additional), controlling motor fan speeds, lights, temperature, on/off. (Safety Alarm System).
14	Motor Fan	High quality types, low noise type, build in with the fume hood body, 7 speeds 1500 rpm. Explosion-proof Motor Fan.
15	Ducts	PP duct or stainless-steel duct with 25 cm dia.
16	Size	2400 mm X 900 mm D X 2400 mm H
17	Filters	HEPA Filter / Carbon Active Filter / Chemical Filter
18	Bypass	VAV system control with damper
19	Controller	Standard Switch

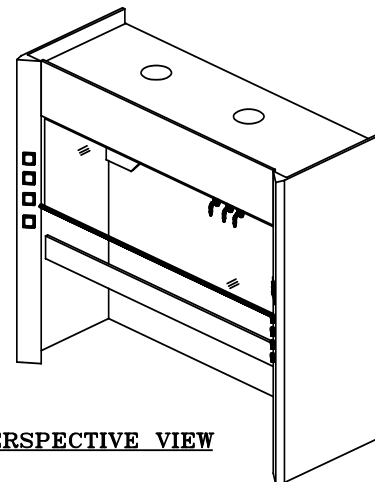
***** Walk In Fume Hood can be wider up to 2500 mm as per your needs

EXHAUST FAN CAN BE ROTATE AT ANY DIRECTION ACCORDING TO THE DUCT POSITION

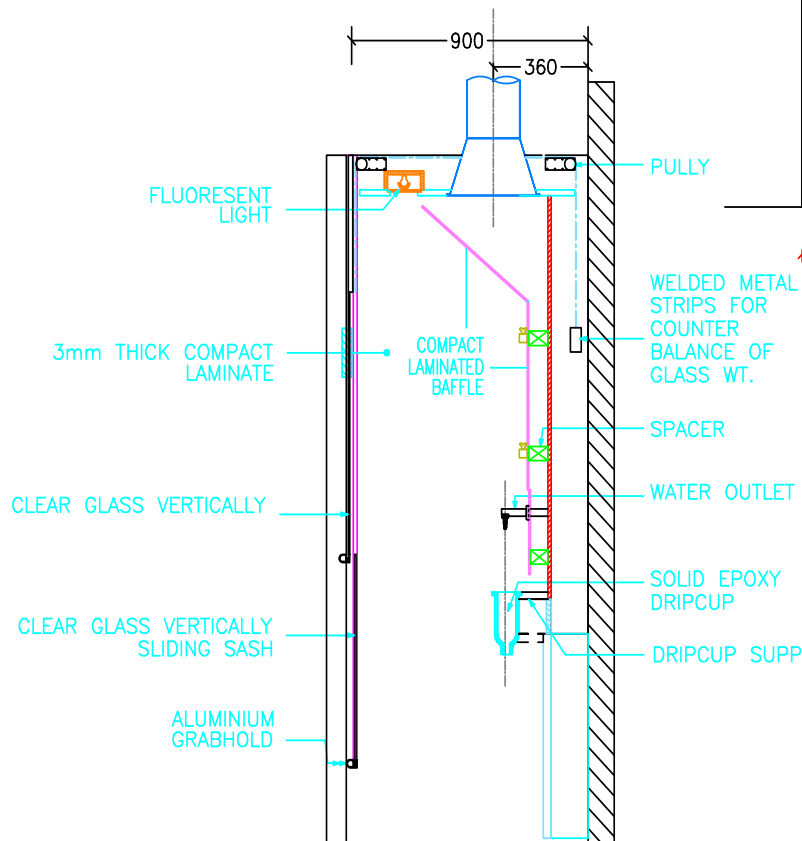


1800 2400

FRONT ELEVATION



PERSPECTIVE VIEW



SIDE VIEW
51240HE-90

**WALK-IN FUME CUPBOARD-2400 (FHWN)
TECHNICAL DATA**

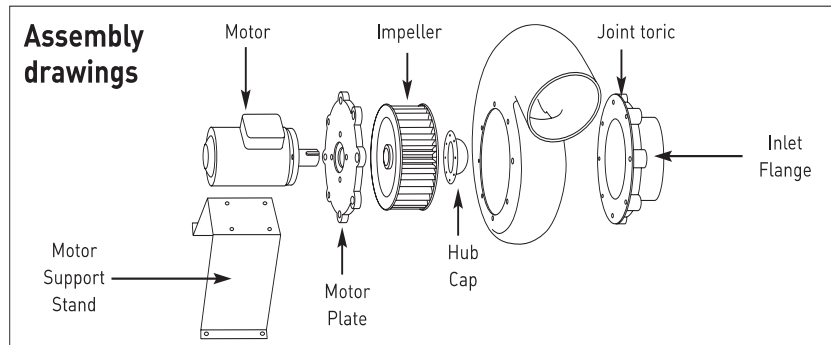
Dimension :2400x900x2350mm(LxDxH)

- > BODY COMPLETELY MADE OF 1.5mm THICK EPOXY POWDER COATED COLD ROLLED STEEL SHEET.
 - > INCLUDING TEMPERED GLASS DOORS OPEN VERTICAL AND HORIZONTAL POSITION.
 - > INCLUDING GAS, COMPRESSED AIR TAP, VACUUM TAP & WATER TAP (MADE BY TOF-ITALY), AND INCLUDING 4nos ELECTRICAL SOCKETS WITH WATER PROOF SYSTEM.
 - > INCLUDING DRIP CUP SINK COLD WATER OUTLET.
 - > INCLUDING 2nos OF FLUORESCENT LIGHTS.
 - > AIRFLOW MONITOR INCLUDED CONTROL.
 - > INCLUDING MOTOR FAN AND DUCTS. (SEAT-FRANCE or PLASTIFER - ITALY or HOLLUS - GERMANY), WITH TOTAL EXHAUST 1000-1200CFM. SOUNDLESS TYPE. COMPLY WITHEN 14173-T3/EN 14175, COATED STEEL INTERIOR ,ONE PIECE SASH WITH PANELS MADE OF LAMINATED SAFETY GLASS, LOW AIR FLOW RATE ,CONTROLLED BY DIGITAL AIR FLOW MONITOR ,AUTOMATIC FRONT SASH CONTROLLER SUITABLE FOR HANDLING RADIOACTIVE SUBSTANCES AND STRONG , CONCENTRATED MINERAL ACIDS.
 - > CARBON FILTERS FOR APPLICATIONS INVOLVING XYLENE AND OTHER ORGANIC SOLVENTS.
 - > VAV SYSTEM CONTROL WITH DAMPER .XYLENE AND OTHER ORGANIC SOLVENTS.
 - > FACE VELOCITY : 100FPM.
 - > INCLUDING CHEMICAL RESISTANT DUCTING SYSTEM (STAINLESS STEEL or UPVC) :200-250mm DIA.
- THE FUME HOOD SHALL CONFORM TO OCCUPATIONAL HEALTH &SAFETY (OSHA) STANDARD.

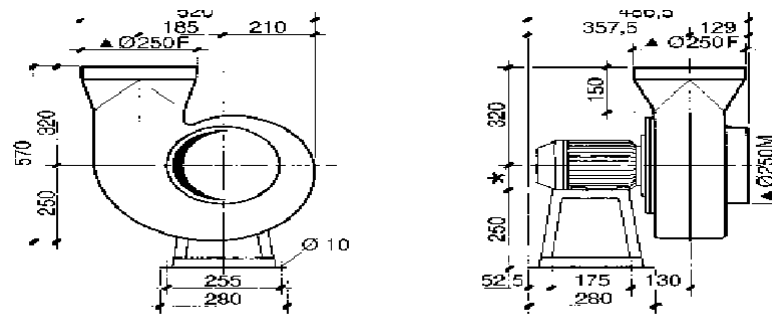
CENTRIFUGAL MOTOR FAN



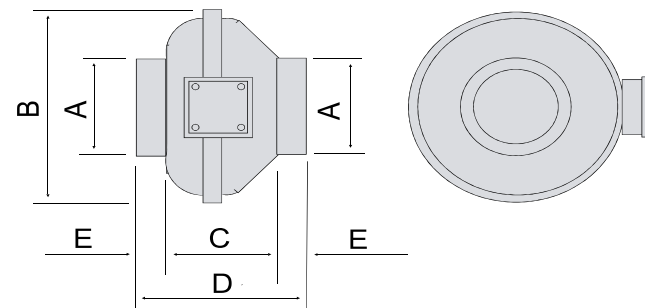
SEAT MOTOR FAN



PLASTFIER MOTOR FAN



HELIOS MOTOR FAN



DUCTLESS FUME HOOD



TECHNICAL DATA FOR DUCTLESS FUME HOOD

1. LCD Touch screen control panel, easy to operate.
2. With memory function in case of power-failure.
3. 8°slope front ergonomics design, fatigue-free working posture.
4. Temperature and humidity sensors, can detect indoor temperature and humidity.
5. Three side transparent Acrylic windows, front window reversal design, easy to operate.
6. Double-layers structure: 1mm sheet metal surface; Chemical resistant phenolic resin work table.
7. Electronic control system, anti-overload, anti-electric shock, stable performance, long service life.
8. Inside and outside probe, detect indoor air pollution and filter conditions. Audible and visual alarm for the filter change.



LCD Display
LCD Touch Screen
Control Panel



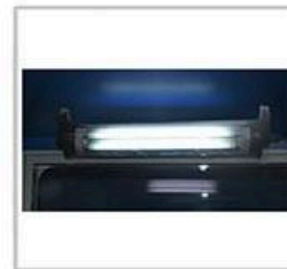
**Waterproof
Socket**



**Water & Gas tap
reserve mouth**



Front Window
Front window reversal
design



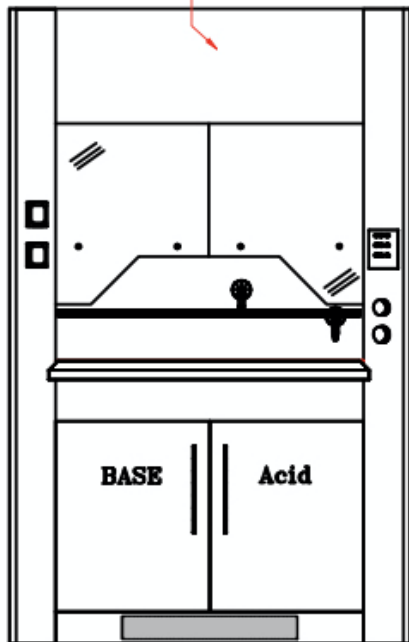
**Explosion-proof
Fluorescent Lamp**

TECHNICAL PARAMETERS

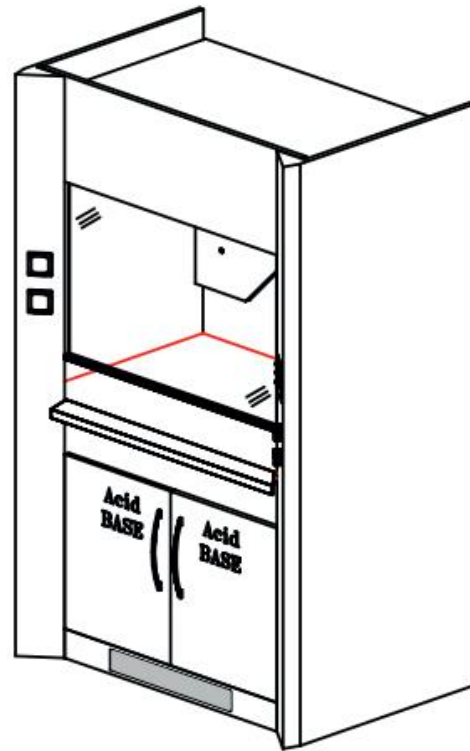
Model		FH1000(C)	FH1200(C)	FH1500(C)	FH1800(C)
External Size (W*D*H)		1000*880*2140mm	1200*880*2140mm	1500*940*2140mm	1800*940*2140mm
Internal Size (W*D*H)		910*690*740mm	1110*690*740mm	1410*690*740mm	1710*690*740mm
Work Surface Height		900mm			
Max. Opening		650mm			
Air Velocity		0.25~0.35m/s			
Airflow Volume		105m³/h		325m³/h	415m³/h
Noise		≤55dB(A)			
Fluorescent Lamp		16W*2		16W*3	
UV Lamp		Emission of 253.7 nanometers for most efficient decontamination			
Blower		Built-in centrifugal blower, speed adjustable			
Front Window		Acrylic window; Manual; reversal design			
Power Supply		AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Consumption		400W		500W	
Material	Exterior	Cold-rolled steel with anti-bacteria powder coating			
	Side Window	Acrylic Window			
	Work Table	Chemical resistant phenolic resin			
Chemical Filter		2 pcs		4 pcs	
Standard Accessory		Fluorescent Lamp, Base cabinet Total load of 2 waterproof sockets: 500W			
Optional Accessory		Water tap, Gas tap, Water sink, UV Lamp, Electric height adjustable base stand, HEPA Filter			
Gross Weight	Main Body	190kg	200kg	255kg	280kg
	Base Cabinet	120kg	130kg	145kg	155kg
Package Size	Main Body	1150*990*1510mm	1350*1000*1510mm	1650*1110*1510mm	1950*1110*1510mm
	Base Cabinet	1150*990*1080mm	1350*1000*1080mm	1650*1110*1080mm	1950*1110*1080mm

DUCTLESS FHUME HOOD (HEDS-FH)

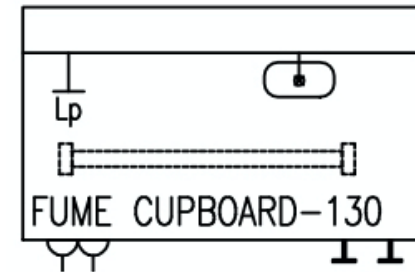
BUILT IN BLOWER WITH
 DEFERENT SPEED
 INCLUDING HEPA
 FILTER & CARBON FILTER



FRONT ELEVATION



PERSPECTIVE VIEW



PLAN VIEW





MOBILE EXTRACTION HOOD



TECHNICAL DATA FOR MOBILE EXTRACTION HOOD

The mobile fume extractor is an 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.

Model	MFE-I
External Size (W*D*H)	500*500*980mm
Air Velocity	0.3~0.5m/s
Filter Efficiency	99.995% efficiency at 0.3µm
Noise	≤75dB(A)
Suction Inlet Diameter	375mm
Rated Power	180W
Rated Supply	AC110V/220V±10%, 50/60Hz
Gross Weight	76 kg (15kg for Extracting arm; 61kg for Purification system)
Net Weight	67kg
Package Size(W*D*H)	810*510*600 mm (Extracting arm) 630*630*1175 mm (Purification system)

CEILING / WALL BENCH EXTRACTION HOOD



SPECIFICATION

Bench -Top arms can be used in every type of environment, ranging from assembly stations, where solder fumes are extracted, to laboratories, where protection against highly corrosive or noxious gases is vital.

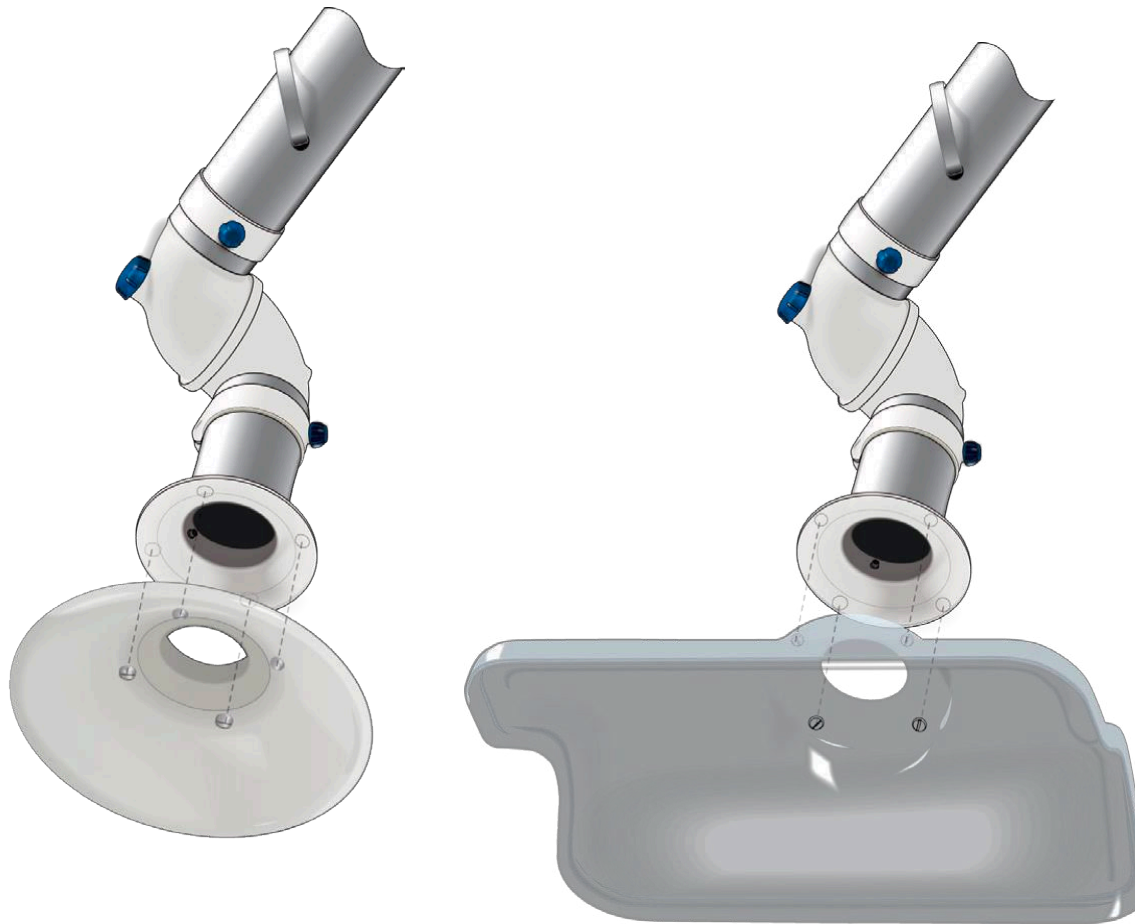
Bench - Top arms are supplied with a mini hood as standard – no extra extraction nozzle is required.

The mini hood is also a universal interface for connecting to other hoods.

A metal hood or transparent multipurpose hood can be attached directly to the mini hood, irrespective of arm size.

The optional multi-purpose hood can be used both as a dome and a screen hood. It has excellent screening properties, is fully transparent and does not cause optical distortions.

The extraction hood can be easily angled to suit any extraction situation.



TECHNICAL DATA

Materials	High grade PP, to be 360° swiveled, dismantled and assembled easily for cleaning
Guiding ring	Low-friction treated rubber.
Center bolt	304# stainless steel.
Adjustable joint knob	High grade PP with a moded-in s/s bearing locking with center bolt.
Damper:	To manually adjust air flow with a knob.
Dome/cup hood:	High grade PP/PC.
Installation bracket	Injection of plastics from a complete mold, mounting panel strongly connecting to the joint.
Optional Cover	Used for covering around the tube cutout on the ceiling.

Applications:

Ideal for removing soldering exhaust, solvent fumes, laboratory vapors, and other harmful gases in repair shops, educational facilities, arts studios, salons, and pharmaceutical, manufacturing, and research facilities. electronic industry, soldering, laboratory, beauty salon, metal processing workshop, jewelry processing workshops, schools, factories chemical laboratory, mechanical processing workshop.

Fume flexible extraction arms:

- * **Body material:** chemical resistant polypropylene; 3 arms joints ceiling mounted system;
- * **Hood diameter:** 250 - 385mm
- * **Air suction volume:** 140-400m³/h (80-235CFM)
- * **Maximum arm extension:** 2630mm







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