METHOD®
SERVING SINCERE SOLUTIONS

FUME HOODS, EXTRACTORS AND FILTRATION SYSTEM

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FREQUENTLY ASKED QUESTIONS

1. When should I use a fume hood?

When your work involves such as:
- Volatile chemical
- Flammable chemical
- Odours
- Hazardous dust and powders

2. What are the common types of fume hood?

Ducted Fume Hoods: Ducted fume hoods are the most traditional and widely used type of fume hood. They are connected to an exhaust system through ductwork, which carries the captured fumes and contaminants to the outside environment. Ducted fume hoods provide effective containment and removal of hazardous substances.

Ductless Fume Hoods: Unlike ducted fume hoods, ductless fume hoods do not require an external exhaust system. Instead, It uses special filters that adsorb hazardous fumes, trapping them on the filter surface before releasing clean air back into the room. Ductless fume hood is best for light work or repetitive work, where type of chemicals used are often known.

3. Types of filters for fume hoods?

- **Carbon Filter –** Fumes and liquid Activated carbon filters are effective for removing smell, organic solvents, and other volatile chemical compounds from the air.
- **HEPA Filter –** Used to capture fine particles, powders and dust.

4. Do you need filters for ducted fume hood?

Please check with your local authorities or refer to your by law requirements. Having filters for ducted fume hood improves the quality of air discharged externally.

5. Where do Fume Hood vent to?

Fume Hoods are often linked to a building's exhaust system, which removes contaminants and releases them outside typically through roof-mounted ducts to prevent recirculation into indoor spaces. It is recommended to for the fumes to be vented above the highest point of the building to prevent exposure to the public.

6. What is the purpose of the fume hood?

The purpose of a fume hood is to provide a ventilated enclosure that protects users from hazardous fumes, vapours, gases, and dust generated during chemical experiments or processes.

7. Why do I have to keep sash closed or lowered when working in the hood?
Lowering the sash provides user safety from sudden dangerous incidents. The glass acts as a protective barrier from untoward incidents such as splashes, sudden burst of fumes or fire.

Lowering the sash also usually provides better containment of fumes, and may also conserve energy if the fume hood is equipped with a variable air volume system.

FREQUENTLY ASKED QUESTIONS

8. What should you do if fume hood alarm goes off due to any sort of emergency?

- Stop all experiments immediately
- Close hood sash completely
- Notify supervisor or lab manager for assistance on how to proceed. If you have any questions you can also reach out to us at +603 5122 1818

9. How often do I need to have my fume hood inspected or maintained?

It is recommended to perform periodic inspection for performance every 3 months or at least once a year. You will need an anemometer to do the airflow inspection.

Preventive maintenance is recommended every year to ensure functionality of fume hood and parts condition. This can help prevent costly repairs or lengthy downtime.

10. Why is there staining or discoloration on my fume hood?

Due to the prolong exposure of certain chemicals on the inner surface of the fume hood, staining and discolouration is unavoidable. Instantly wiping off drips and spills reduces this from happening. However, discolouration usually doesn't affect the functionality of the fume hood.

11. How would I know what fume hood is right for me?

Ducted Fume Hood

- Working with unknown chemical mixtures
- Removing large volumes of fumes or heat
- Lab is in a permanent location and has exhaust infrastructure

Ductless Fume Hood

- You need flexibility to move the hood to different locations
- No available route for external ducting
- Occasional use

Still don't know which is right for you? Feel free to contact our salesperson at +603 5122 1818 to find out more.

GENERAL PURPOSE FUME HOOD ASHRAE 110 TESTED

GENERAL PURPOSE & ACID DIGESTION FUME HOOD

- MEH 12
- MEH 15
- MEH 18
- MEH 24

This unit is the most versatile fume hood available. While packed with features, performance and convenience are the key values within this MEH series. Therefore, this model is suitable for various daily applications.

In addition, the MEH model are tested against the ASHRAE 110 (Method of Testing Performance of Laboratory Fume Hoods) standards by SIRIM Malaysia to afford users with assurance of the performance. 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 MEH series goes through tests qualitatively and repeatably to see how well the fume hoods contain the gases and vapours released in the work zone.

*MEH 12 with AL01 controller

Features

- Proven to perform - ASHRAE 110 tested by third party
- Stainless steel 304 flip open airfoil with spillage catchment
- Effortless sash movement with chain and sprocket sash system
- Durable sash system – warranty up to 10 years
- Durable, tough and chemical resistant fiber reinforced polyester interior
- Double sided smooth baffle for minimal flow resistance, improving performance
- Safety work zone indicator line as standard on epoxy worktop
- Raised edge work surface for spill containment

Optional Accessories

Fume Hood Shelf

Automatic Sash Closer

Fume Hood Monitor & Sensor (AL01/AF01)

Variable Air Volume/ Full Open/Close Damper

Fire Suppression System

QR to our Ducted Fume Hood Q&A

SCHEDULE OF TECHNICAL DATA

Model	MEH 12	MEH 15	MEH 18	MEH 24
Type	General Purpose & Acid Digestion			
Conformance	ASHRAE 110 (Third Party Tested)			
External Size (mm)				
Length	1219	1524	1828	2438
Depth	917	917	917	917
Height	2285	2285	2285	2285
Internal Working Size (mm)				
Length	949	1254	1559	2165
Depth	465	465	465	465
Height	1180	1180	1180	1180
Recommended Airflow Volume (0.5 m/s at 600mm sash opening)	700	900	1100	1500
Exhaust Outlet Size	8"	8"	10"	10"(2)
Number of Exhaust Outlet	1	1	1	2
Hood Structure	Steel with Oven Baked Epoxy Polyester Coating			
Base Cabinet Structure	Steel with Oven Baked Epoxy Polyester Coating			
Internal Linear Material (Standard)	Chemical Resistant Super White Fiber Reinforced Polyester			
Linear Material (Altenative)	Phenolic Resin Laminates/ Polypropylene/ PVC/ Stainless Steel			
Worktop Material (Standard)	Solid Cast Epoxy Resin Worktop (Black)			
Worktop Material (Alternative)	Phenolic Resin Laminates/ Polypropylene/ PVC/ Stainless Steel			
Worktop Design	All Four Sides Marine Spill Edge			
Sash Mechanism Type	Chain & Sprocket			
Sash Material	6mm Tempered Glass			
Sash Configuration	Vertical			
Maximum Sash Opening (mm)	770			
Lighting	LED Lighting (Daylight)			
Electrical Sockets	13 Amps			
Number of Electrical Sockets	2			
Controller	Touch Switch Controller (FC-TS100A)			
Optional Accessories	Fume Hood Monitor & Sensor (AL01/AF01)			
	Fume Hood Shelf			
	Automatic Variable Air Volume Damper			
	PVC Basic Motorised Damper Full Open/Close			
	Automatic Sash Closer			

HYDROFLUORIC ACID FUME HOOD

HYDROFLUORIC ACID DIGESTION FUME HOOD

- MHF 12
- MHF 15
- MHF 18
- MHF 24

Almost similar to its MHF series counterpart, this MHF series is for hydrofluoric and acid digestion. While packed with features, speciality and convenience are the key values for this MHF series.

Therefore, this hydrofluoric/acid digestion fume hood model is suitable for laboratories that deal with hydrofluoric acids. In addition, this MHF model is also suitable for general laboratory application for various common acid and solvents.

Features

- Clean and chemical resistance interior
- The sash is made of polycarbonate material
- Durable chain & sprocket system for smooth sash movement
- Modern Europe chemical resistant polypropylene centrifugal fan
- Flip open airfoil for easy cleaning of spillages
- OPTIONAL – Airflow alarm monitor to ensure user safety

QR to our Ducted Fume Hood Q&A

4

SCHEDULE OF TECHNICAL DATA

Model	MHF 12	MHF 15	MHF 18	MHF 24
Type	Hydrofluoric Acid Fume Hood			
External Size (mm)				
Length	1219	1524	1828	2438
Depth	917	917	917	917
Height	2285	2285	2285	2285
Internal Working Size (mm)				
Length	949	1254	1559	2165
Depth	465	465	465	465
Height	1180	1180	1180	1180
Recommended Airflow Volume (0.5 m/s at 600mm sash opening)	700	900	1100	1500
Exhaust Outlet Size	8"	8"	10"	10"(2)
Number of Exhaust Outlet	1	1	1	2
Hood Structure	Electrogalvanised Steel with Oven Baked Epoxy Polyester Coating			
Base Cabinet Structure	Electrogalvanised Steel with Oven Baked Epoxy Polyester Coating			
Internal Linear Material (Standard)	Chemical Resistant Super White Fiber Reinforced Polyester			
Linear Material (Altenative)	Phenolic Resin Laminates/ Polypropylene/ PVC/ Stainless Steel			
Worktop Material (Standard)	Solid Cast Epoxy Resin Worktop (Black)			
Worktop Material (Alternative)	Phenolic Resin Laminates/ Polypropylene/ PVC/ Stainless Steel			
Worktop Design	All Four Sides Marine Spill Edge			
Sash Mechanism Type	Chain & Sprocket			
Sash Material	6mm Polycarbonate Sash			
Sash Configuration	Vertical			
Maximum Sash Opening (mm)	770			
Lighting	LED Lighting (Daylight)			
Electrical Sockets	13 Amps			
Number of Electrical Sockets	2			
Controller	Standard Switch (Optional to upgrade to Arialab Controller)			

TEACHING FUME HOOD MHT SERIES

TEACHING FUME HOOD

MHT 12

MHT 15

This unit is a teaching fume hood specifically designed for classrooms and training labs. This fume hood is designed with tempered glass on both sides to provide visibility, enhancing demonstration during experiments without compromising on user's safety from exposure such as hazardous fumes and vapours.

Features

- Comply to ASHRAE 110
- Large side viewing glass for maximum visibility
- Chain and sprocket sash mechanism for extra durability

QR to our Ducted Fume Hood Q&A

SCHEDULE OF TECHNICAL DATA

Model	MHT 12	MHT 15
Type	Teaching Fume Hood	
External Size (mm)		
Length	1219	1525
Depth	917	917
Height	2285	2285
Internal Working Size (mm)		
Length	962	1262
Depth	585	585
Height	1165	1165
Recommended Airflow Volume (0.5 m/s at 600mm sash opening)	700	900
Exhaust Outlet Size	8"	
Number of Exhaust Outlet	1	
Hood Structure	Steel with Oven Baked Epoxy Polyester Coating	
Side Structure	500mm x 1100mm Tempered Glass	
Base Cabinet Structure	Steel with Oven Baked Epoxy Polyester Coating	
Internal Linear Material (Standard)	Chemical Resistant Super White Fiber Reinforced Polyester	
Linear Material (Alternative)	Phenolic Resin Laminates/ Polypropylene/ PVC/ Stainless Steel	
Worktop Material (Standard)	Solid Cast Epoxy Resin Worktop (Black)	
Worktop Material (Alternative)	Phenolic Resin Laminates/ Polypropylene/ PVC/ Stainless Steel	
Worktop Design	All Four Sides Marine Spill Edge	
Sash Mechanism Type	Chain & Sprocket	
Sash Material	6mm Polycarbonate Sash	
Sash Configuration	Vertical Sliding	
Maximum Sash Opening (mm)	670	
Lighting	LED Lighting (Daylight)	
Electrical Sockets	13Amp	
Number of Electrical Sockets	2	
Controller	Standard Switch (Optional to upgrade to Arialab Controller)	

PERCHLORIC ACID FUME HOOD

PERCHLORIC ACID FUME HOOD WITH WASHDOWN

MPH 12

MPH 15

MPH 18

This fume hood is a necessity when dealing with the highly explosive and flammable perchloric acid. With an inbuilt wash down system, integral work surfaces and drainage throughs, the fumes are prevented from accumulating potentially reactive perchloric salts.

METHOD perchloric acid fume hood has a fully welded stainless steel 316 inner linear material complete with a drain trough. This unit is equipped with a washdown system that provides thorough cleaning.

Features

- Stainless Steel 316 for superior chemical resistance
- Fully welded internal chamber to prevent water leaks
- Washdown and trough system for cleaning of work chamber
- Effortless sash movement with chain and sprocket sash system
- Durable sash system – warranty up to 10 years

QR to our Ducted Fume Hood Q&A

SCHEDULE OF TECHNICAL DATA

Model	MPH 12	MPH 15	MPH 18
Type	Perchloric Acid Fume Hood with Washdown		
External Size (mm):			
Length	1219	1524	1830
Depth	795	795	795
Height	2300	2300	2300
Internal Working Size (mm):			
Length	949	1254	1559
Depth	465	465	465
Height	1180	1180	1180
Recommended Airflow Volume (0.5 m/s at 600mm sash opening)	700	900	1100
Exhaust Outlet Size	10"	10"	10"
Number of Exhaust Outlet	1	1	1
Hood Structure	Steel with Oven Baked Epoxy Polyester Coating		
Base Cabinet Structure	Steel with Oven Baked Epoxy Polyester Coating		
Number of Base Cabinet	1	2	2
Internal Linear Material (Standard)	Stainless Steel 316		
Worktop Material (Standard)	Stainless Steel 316		
Washdown System	Stainless Steel		
Sash Mechanism Type	Chain & Sprocket		
Sash Material	6mm Tempered Glass		
Sash Configuration	Vertical Sliding		
Maximum Sash Opening (mm)	770		
Lighting	LED Lighting (Daylight)		
Electrical Sockets	13 Amps		
Number of Electrical Sockets	2		
Controller	Standard Switch (Optional to upgrade to Arialab Controller)		

RADIOISOTOPE FUME HOOD

RADIOISOTOPE FUME HOOD

MRH 12

MRH 15

MRH 18

Method MRX 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 304 linear as standard. Optional 316 as upgrade available
- 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 worksurface to withstand heavy loads
- Optional filtration system

QR to our Ducted Fume Hood Q&A

SCHEDULE OF TECHNICAL DATA

Model	MRH 12	MRH 15	MRH 18
Type	Radioisotope Fume Hood		
External Size (mm):			
Length	1219	1524	1829
Depth	800	800	800
Height	2285	2285	2285
Internal Working Size (mm):			
Length	949	1254	1559
Depth	465	465	465
Height	1180	1180	1180
Recommended Airflow Volume (0.5 m/s at 600mm sash opening)	700	900	1100
Exhaust Outlet Size	10"	10"	10"
Number of Exhaust Outlet	1	1	1
Hood Structure	Steel with Oven Baked Epoxy Polyester Coating		
Base Cabinet Structure	Steel with Oven Baked Epoxy Polyester Coating		
Number of Base Cabinet	1	2	2
Internal Linear Material (Standard)	Stainless Steel 304 /Stainless Steel 316 (Optional)		
Worktop Material (Standard)	Stainless Steel 304 /Stainless Steel 316 (Optional)		
Sash Mechanism Type	Chain & Sprocket		
Sash Material	6mm Tempered Glass		
Sash Configuration	Vertical Sliding		
Maximum Sash Opening (mm)	770		
Lighting	LED Lighting (Daylight)		
Electrical Sockets	13 Amps		
Number of Electrical Sockets	2		
Controller	Standard Switch (Optional to upgrade to Arialab Controller)		

WALK-IN FUME HOOD
MWH SERIES

WALK-IN FUME HOOD

- MWH 12
- MWH 15
- MWH 18
- MWH 24

This unit is a walk-in fume hood. It has a large, ventilated enclosure designed to protect users from hazardous fumes, vapours, and particles during laboratory processes.

Unlike standard benchtop fume hoods, it is floor-mounted and spacious enough to accommodate large equipment or allow personnel to partially enter for setup and operation.

Features

- Proven to perform - ASHRAE 110 tested by third party
- Interior height often ranges from 6 to 10 feet or more
- Designed to resist corrosive chemicals, solvents, and heat depending on the application.
- Tempered or laminated safety glass panels for visibility and protection

QR to our Ducted Fume Hood Q&A

SCHEDULE OF TECHNICAL DATA

Model	MWH-12	MWH-15	MWH-18	MWH-24
Type	Walk-In Fume Hood			
External Size (mm)				
Length	1200	1500	1800	2400
Standard Depth	960	960	960	960
Plus Series Depth*	1500	1500	1500	1500
Height	2360	2360	2360	2360
Internal Working Size (mm)				
Length	910	1210	1510	2110
Standard Depth	610	610	610	610
Plus Series Depth*	1020	1020	1020	1020
Height	2040	2040	2040	2040
Recommended Airflow Volume (0.5 m/s at 800mm sash opening)	810	1080	1350	1900
Exhaust Outlet Size (mm)	250			
Number of Exhaust Outlet	1	1	1	2
Hood Structure	Steel with Oven Baked Epoxy Polyester Coating			
Internal Linear Material (Standard)	Phenolic Resin Laminates			
Linear Material (Altenative)	Fiber Reinforced Polyester / Polypropylene / PVC / Stainless Steel			
Worktop Material (Optional)	Phenolic Resin Laminates / Solid Cast Epoxy Resin Worktop			
Sash Material	6mm Tempered Glass			
Sash Configuration	Vertical / Horizontal (Optional)			
Maximum Sash Opening (mm)	1700			
Lighting	LED Lighting (Daylight)			
Electrical Sockets	13 Amps			
Number of Electrical Sockets	2			
Controller	Standard Switch (Optional to upgrade to Arialab Controller)			

**Plus series available upon request.*

POLYPROPYLENE FUME HOOD

POLYPROPYLENE FUME HOOD

- MPP 12
- MPP 15
- MPP 18
- MPP 24

A fully polypropylene constructed fume hood designed to handle the most corrosive application and environment. Suitable for salt laden environment, the MPP fume hood ensures durability and performance.

Features

- Non corrodible polypropylene structure, internally and externally
- Fully welded joints to prevent fume leakages
- Lightweight and suitable for all environments

QR to our Ducted Fume Hood Q&A

SCHEDULE OF TECHNICAL DATA

Model	MPP 12	MPP 15	MPP 18	MPP 24
Type	Polypropylene Fume Hood			
External Size (mm):				
Length	1200	1500	1800	2400
Depth	850	850	850	850
Height	2350	2350	2350	2350
Internal Working Size (mm):				
Length	1000	1300	1600	2200
Depth	644	644	644	644
Height	1212	1212	1212	1212
Recommended Airflow Volume (0.5 m/s at 600mm sash opening)	700	900	1100	1100
Exhaust Outlet Size	10"	10"	10"	10"
Number of Exhaust Outlet	1	1	1	1
Hood Structure	Polypropylene			
Base Cabinet Structure	Polypropylene			
Number of Base Cabinet	1	1	2	2
Internal Linear Material (Standard)	Polypropylene			
Worktop Material (Standard)	Polypropylene/ Epoxy Resin/ Compact Laminate			
Sash Mechanism Type	Belt & Pulley			
Sash Material	6mm Tempered Glass			
Sash Configuration	Vertical Sliding			
Maximum Sash Opening (mm)	770			
Lighting	LED Lighting (Daylight)			
Electrical Sockets	13 Amps			
Number of Electrical Sockets	2			
Controller	Standard Switch (Optional to upgrade to Arialab Controller)			

GENERAL PURPOSE FUME HOOD MEB SERIES

GENERAL PURPOSE FUME HOOD

- MEB 10
- MEB 12
- MEB 15
- MEB 18

A more economical and robustly designed fume hood for general laboratory application. This unit is one of the most common and basic fume hoods available in the market that suits your laboratory need. This MEB model is suitable for general lab application and can deal with various common acid and solvents.

Highly affordable and suitable for various daily applications (except perchloric acid, hydrofluoric acid and radioisotope applications).

Features

- Economical and effective
- Durable, tough and chemical resistant fiber reinforced polyester interior
- Effortless sash movement with chain and sprocket sash system
- Raised edge work surface for spill containment
- Customisable to fit specific requirements

QR to our Ducted Fume Hood Q&A

SCHEDULE OF TECHNICAL DATA

Model	MEB 10	MEB 12	MEB 15	MEB 18
Type	General Purpose			
External Size (mm)				
Length	1000	1200	1500	1800
Depth	830	830	830	830
Height	2400	2400	2400	2400
Internal Working Size (mm)				
Length	680	880	1180	1480
Depth	580	580	580	580
Height	1130	1130	1130	1130
Recommended Airflow Volume (0.5 m/s at 600mm sash opening)	460	700	900	1100
Exhaust Outlet Size	10"	10"	10"	10"
Number of Exhaust Outlet	1	1	1	1
Hood Structure	Electrogalvanised Steel with Oven Baked Epoxy Polyester Coating			
Base Cabinet Structure	Electrogalvanised Steel with Oven Baked Epoxy Polyester Coating			
Internal Linear Material (Standard)	Chemical Resistant Super White Fiber Reinforced Polyester			
Linear Material (Altenative)	Phenolic Resin Laminates/ Polypropylene/ PVC/ Stainless Steel			
Worktop Material (Standard)	Solid Cast Epoxy Resin Worktop (Black)			
Worktop Material (Alternative)	Phenolic Resin Laminates/ Polypropylene/ PVC/ Stainless Steel			
Worktop Design	All Four Sides Marine Spill Edge			
Sash Mechanism Type	Chain & Sprocket			
Sash Material	6mm Tempered Glass			
Sash Configuration	Vertical			
Maximum Sash Opening (mm)	770			
Lighting	LED Lighting (Daylight)			
Electrical Sockets	13 Amps			
Number of Electrical Sockets	2			
Controller	Standard Switch (Optional to upgrade to Arialab Controller)			

MINI FUME HOOD

MEH 078PC

Compact polypropylene fume hood with flip sash for labs where space and budget is a concern, the MEH 078PC compact hood is the answer. Made from polypropylene, it offers immense resistance to a wide range of harsh chemicals. The unit is equipped with a transparent lightweight polycarbonate flip sash, offering convenience for equipment placement and cleaning. The hood size is suited to be placed above most benches. A truly simple, affordable and effective solution when dealing with hazardous chemicals in your laboratory.

Features

- Budget friendly
- Small footprint for space constricted labs
- Efficient work area, almost 98% is available for use
- Ergonomically angled front for easy viewing during use
- Flip open sash for minimal maintenance

QR to our Ducted Fume Hood Q&A

SCHEDULE OF TECHNICAL DATA

Model	MEH 078PC
Type	Mini Fume Hood
External Size (mm):	
Length	780
Depth	600
Height	800
Internal Working Size (mm):	
Length	760
Depth	600
Height	446
Recommended Airflow Volume (0.5 m/s)	300
Exhaust Outlet Size	6"
Number of Exhaust Outlet	1
Hood Structure	Polypropylene and Polycarbonate
Base Cabinet Structure	Polypropylene
Worktop Material (Standard)	Polypropylene
Sash Material	Polycarbonate
Sash Configuration	Vertical Flip Open (2 pieces)
Lighting	LED Lighting (Daylight)
Electrical Sockets	2
Controller	Standard Switch

SINK FUME HOOD

SINK FUME HOOD

FC-12M/SK

This unit is ideal for labs with limited space and facing ventilation problem. This fume hood is specifically design, combining a working sink area with a working fume hood in one compact unit.
Typically constructed with durable materials and features tempered glass panels that provide high visibility while ensuring safety. What makes this sink fume hood especially unique is its ability to be mounted over an existing sink, making it a cost-effective and space-saving solution. It effectively captures and exhausts hazardous fumes, vapours, and splashes generated during experiments or chemical handling, helping maintain a safe and compliant laboratory environment.

Features

- Designed to mount directly over an existing sink, reducing renovation costs, saving space and installation time.
- High-strength tempered glass provides excellent visibility while ensuring safety and durability..
- Huge flip open polycarbonate sash with hand opening for easy accessibility

QR to our Ducted Fume Hood Q&A

SCHEDULE OF TECHNICAL DATA

Model	FC-12M/SK
Type	Sink Fume Hood Structure
External Size (mm):	
Length	1200
Depth	750
Height	2040
Internal Working Size (mm):	
Length	1152
Depth	674
Height	984
Recommended Airflow Volume (0.5 m/s)	300
Exhaust Outlet Size	6"
Number of Exhaust Outlet	1
Hood Structure	Polypropylene and Polycarbonate
Worktop Material (Optional)	Epoxy/ Phenolic
Sash Material	Polycarbonate
Sash Configuration	Vertical Flip Open
Lighting	LED Lighting (Daylight)
Electrical Sockets	2
Controller	Standard Switch

DOWNDRAFT DUCTLESS FUME HOOD

DOWNDRAFT DUCTLESS FUME HOOD

DLF-SL100V1

DOCKING STATION

DLF-SL005

Designed with portability and functionality in mind, Starlinx Ductless Fume Hood meets all modern laboratory needs. With unrestricted viewing from all sides, this fume hood is a perfect unit for educational and demonstration purposes.

Safety is also assured with a filtration system consisting of honeycomb activated carbon filters designed to neutralize chemical fumes emitted from lab activities.

Features

- Mobile with lockable castors for maximum convenience and safety
- Low height design for placement in almost any room
- Reduced failure of glass sash with a chain and sprocket system
- Designed with safety in mind with acoustic and visual alarm to warn users of low suction
- Inbuilt PVC fan to handle the widest range of corrosive chemicals
- Effective and honey-combed for low resistance activated carbon filter
- Specifically blended filters made to offer best filtration dependent on you applications
- Setup technical services such as water, waste and gas using quick connection to docking stations when required (Optional)

DLF-SL005

QR to our Ductless Fume Hood Q&A

SCHEDULE OF TECHNICAL DATA

Model	DLF-SL100V1
Type	Downdraft Ductless Fume Hood
External Size (mm):	
Length	1000
Depth	826
Height	1950
Hood Structure	Electrogalvanised Steel with Oven Baked Epoxy Polyester Coating with 3 Side Tempered Glass Panel
Base Cabinet Construction	Electrogalvanised Steel with Oven Baked Epoxy Polyester Coating
Baffle Material	Acrylic
Worktop Material (Standard)	Solid Cast Epoxy Resin Worktop (Black)
Worktop Material (Alternative)	Compact Phenolic Laminate
Worktop Design	All Four Sides Marine Spill Edge
Sash Mechanism Type	Chain and Sprocket
Sash	5mm Tempered Vertical Slide
Maximum Sash Opening	530mm
Lighting	LED Lighting (Daylight)
Electrical Sockets	2 x 13 Amp SSO
Controller	Microprocessor LCD Control and Sensor with Inbuilt Alarm for Low Airflow
Voltage	220-240V

Model	DLF-SL005
Type	Docking Station with Swing Door
External Size (mm):	
Length	250
Depth	117
Height	350
Connection for Water Supply	½” Standard
Connection for Gas Supply	¼” Standard
Connection Size for Waste	38mm

MINI DUCTLESS FUME HOOD

MINI DUCTLESS FUME HOOD

DLF-076XP

DLF-090XP

If you have a need for a compact ductless fume hood, this model may be an excellent choice for your application.

The unit is available with an activated carbon filter. The small size and low power consumption of this unit make it easy to move and transport if required.

Features

- Mobile and compact for flexibility and ease of use
- Easy replacement of filters
- Steel powder baked structure with glass surface for all round visibility
- LCD operating panel with airflow alarm for enhanced safety
- Non ducted, ready-to-use

QR to our Ductless Fume Hood Q&A

SCHEDULE OF TECHNICAL DATA

Model	DLF- 076XP	DLF- 090XP
Type	Mini Ductless Fume Hood	
External Size with Base (mm):		
Length	760	900
Depth	705	705
Height	2007	2007
Hood Structure	Steel with Oven Baked Epoxy Polyester Coating	
Side Wall	Tempered Glass / Acrylic (Optional)	
Rear Wall	Tempered Glass / Acrylic (Optional)	
Sash Material	Polycarbonate Front Sash / Acrylic (Optional)	
Sash Configuration	Hinges (Flip)	
Mobile Frame	Steel with Oven Baked Epoxy Polyester Coating with Castors	
Worktop Material	15mm Solid Cast Epoxy Resin Worktop (Black)	
Main Filter	Activated Carbon Filters for Chemical Fumes (Standard)	
Pre-filter	Non Washable Synthetic Fiber, 90% Arrestance	
Voltage	220-240V/ 50 Hz	
Lighting	T5 LED (6500 K)	
Pass-Through for Electrical Connections	2 (One of each side)	
Controller	Arialab LCD Airflow Monitor	
Optional	Base Cabinet	
	Water and Waste Services	
	HEPA Filter	
	Activated carbon filter for VOC and other applications	

MOBILE DUCTLESS FUME HOOD

MOBILE DUCTLESS FUME HOOD

DLF-120XP

DLF-150XP

If you have a need for a compact ductless fume hood, this model may be an excellent choice for your application.

The unit is available with an activated carbon filter. The small size and low power consumption of this unit make it easy to move and transport if required.

Features

- Mobile and compact for flexibility and portability
- Easy replacement of filters
- Steel structure with powder baked epoxy for maximum durability
- Double hinged sash mechanism allows a full sash opening to place high equipment
- User safety monitoring system

QR to our Ductless Fume Hood Q&A

SCHEDULE OF TECHNICAL DATA

Model	DLF- 120XP	DLF- 150XP
Type	Mobile Ductless Fume Hood	
External Size with Base (mm):		
Length	1200	1500
Depth	705	705
Height	2150	2150
Internal Working Size (mm):		
Length	1138	1458
Depth	675	675
Height	779	779
Hood Structure	Steel with Oven Baked Epoxy Polyester Coating with 2 Side Tempered Glass	
Sash Configuration	Polycarbonate	
Mobile Frame	Steel with Oven Baked Epoxy Polyester Coating with Castors	
Worktop Material	Solid Cast Epoxy Resin Worktop (Black)	
Filter	Active Carbon Filters for Chemical Fumes (Standard)*	
Voltage	220-240V	
Controller	LCD with Airflow Sensor and Alarm	

***Filter type may vary based on use chemical list**

MOBILE DUCTLESS FUME HOOD

ERLAB ABOVE DUCTLESS FUME HOOD

DLF-120ER

DLF-150ER

Introducing our compact ductless fume hood, powered by Erlab's leading filtration system, aims to deliver unrivalled air purification technology and maximize efficiency in modern laboratory spaces. With our space saving design this fume hood is ideal for laboratories with limited space.

Despite operating without ducting, the fume hood maintains optimal performance delivering consistent protection while also providing mobility, flexibility and eliminates complex installations.

Features

- Mobile and compact for flexibility and portability
- Easy replacement of filters
- Steel structure with powder baked epoxy for maximum durability
- Double hinged sash mechanism allows a full sash opening to place high equipment
- User safety monitoring system

METHOD® X erlab

QR to our Ductless Fume Hood Q&A

SCHEDULE OF TECHNICAL DATA

Model	DLF- 120ER	DLF- 150ER
Type	Mobile Ductless Fume Hood with Erlab Filtration	
External Size with Base (mm):		
Length	1160	1500
Depth	705	705
Height	1266	1266
Internal Working Size (mm):		
Length	1140	1480
Depth	685	685
Height	730	730
Hood Structure	Steel with Oven Baked Epoxy Polyester Coating with 3 Side Tempered Glass	
Sash Configuration	Polycarbonate	
Mobile Frame	Steel with Oven Baked Epoxy Polyester Coating with Castors	
Worktop Material	Solid Cast Epoxy Resin Worktop (Black)	
Filter System	Erlab Above Filtration with Airflow Sensor	
Filters	Acid/ Organic/ Particles/ Others	
Voltage	220-240V	

***Filter type may vary based on chemical list**

VARIABLE AIR VOLUME (VAV) FUME HOOD CONTROLLER AND SENSOR FOR AF01

AF01

Overall Size (L x H x D)	90 x 147 x 28mm

Features

- To maintain a consistent fume hood face velocity by automating the frequency inverter (separate product)
- Ensuring fume hood is functioning at optimal face velocity at any sash position
- Has an inbuilt alarm to alert user during low flow and high flow
- It contains various configurable functions, including prepurge, postpurge and maintenance program

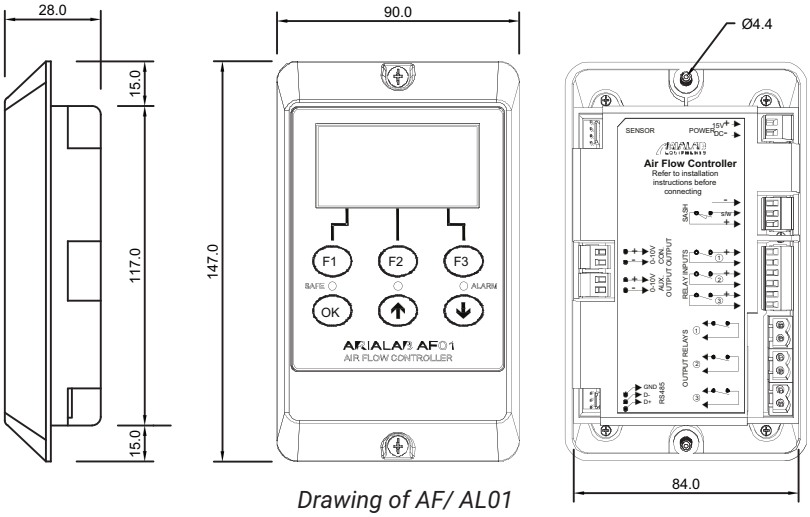
CONSTANT AIR VOLUME (CAV) FUME HOOD MONITOR AND SENSOR FOR AL01

AL01

Overall Size (L x H x D)	90 x 147 x 28mm

Features

- To indicate the safe level of air flow in laboratory fume hoods
- The LCD provides continous viewing of face velocity and will warn users of unsafe conditions
- An alarm will be activated when air flow falls below preset level
- User friendly interface allows user to determine their preferred level of face velocity depending on their requirements



Drawing of AF/ AL01

CONDENSED AEROSOL FIRE SUPPRESSION MODULE

Operations

The principle operation is unique. A special solid formulation within a non-pressurised canister, when electrically activated, generates an aerosol exhibiting excellent fire extinguishing characteristic.

The aerosol consists of suspension of micron sized particles in a mixture of naturally occurring gases comprising mainly of nitrogen.

Model	FC-FSY100-12/15/18/24
Country of Manufacturer	Malaysia
Igniter Resistance	2.0-4.0 Ω
Reliable Activation Current	1.0A@10ms
Min Design Concentration	100g/m3 (Class A surface fires, Class B fires); 200g/m3 (dense cable fibres)
Service Life	5 to 10 years (Normal application)
Material	Stainless steel (Small)
Finish	Epoxy powder coated (Large)

Handling and Transport	Classifications
Classification Code : 4.1	Class A - Combustible Solids
UN No : 3178	Class B - Flammable Liquids
Packing Group : III	Class C - Flammable Gases
Hazchem Code : 1 (T)	Class D - Electrically Energised Fire

FUME HOOD ACCESSORIES

AUTOMATIC VARIABLE AIR VOLUME DAMPER

Model	DPAA-817000	DPAA-817160	DPAA-817200	DPAA-817250	DPAA-817315
Diameter (mm)	N/A	160	200	250	300
Type	Open/ Close	Variable	Variable	Variable	Variable

PVC BASIC MOTORISED DAMPER FULL OPEN/CLOSE

Model	DPAA-0200/BG	DPAA-0250/BG
Diameter (mm)	200	250
Voltage	220 v	220 v

FUME HOOD SHELF

Model	FC SLF-12	FC SLF-15	FC SLF-18
Length	900	1200	1500
Depth	125	125	125
Height	200	200	200
Thickness (mm)	5	5	5

AUTOMATIC SASH CLOSER

ECO AIRSASH IV

Features

- Automatically closing the sash when the operator is away from the fume hood
- Equipped with a safety sensor, it detects incoming presence or obstruction and stops the sash from closing

FUME EXTRACTOR ARMS

WALL MOUNT WELDING FLEXIBLE LONG ARM

CLE160-2 **CLE160-3**

Features

- Internally supported arm give minimum pressures drop, ease of maintenance and prevents abrasion
- Conical hood for better capture
- Multiple mounting available for machine, bench or ceiling
- Control dampers are standard with arm
- Handle for ease of positioning

Model	CLE 160-2	CLE 160-3
Body	PVC Hose with Reinforced Steel Wire	
Internal Support Structure	Steel with Epoxy Powder Finish	
Arm Diameter x Length	160 x 2000 mm	160 x 3000 mm
Recommended Air Flow	Minimum 750 cfm (Depending on application)	

EXTRACTION ARM WITH WALL BRACKET- 2M RANGE; 160MM DIAMETER

CLE165-2 **CLE165-3**

Model	CLE 165-2	CLE 165-3
Wall Bracket & Sing Boom	Steel with Epoxy Powder Finish	
Flexible Support	Stainless Steel	
Arm Conical Hood	Powder Coated Stainless Steel	
Hand Grip	Plastic	
Damper	Plastic	
Forearm Hard Tube	Powder Coated Q235 Steel	
Wrist Hose	PVC Hose with Reinforced Steel Wire	
Arm Diameter x Length	160 x 2000 mm	160 x 3000 mm
Recommended Air Flow	Minimum 750 cfm (Depending on application)	

FUME EXTRACTOR ARMS

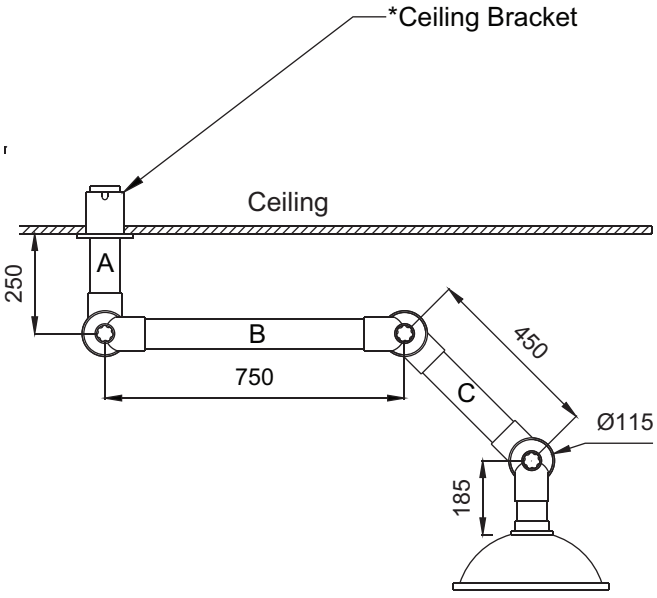
EXTRACTOR ARM WITH PP BODY WITH CEILING BRACKET & 390 MM PE TRANSPARENT DOME

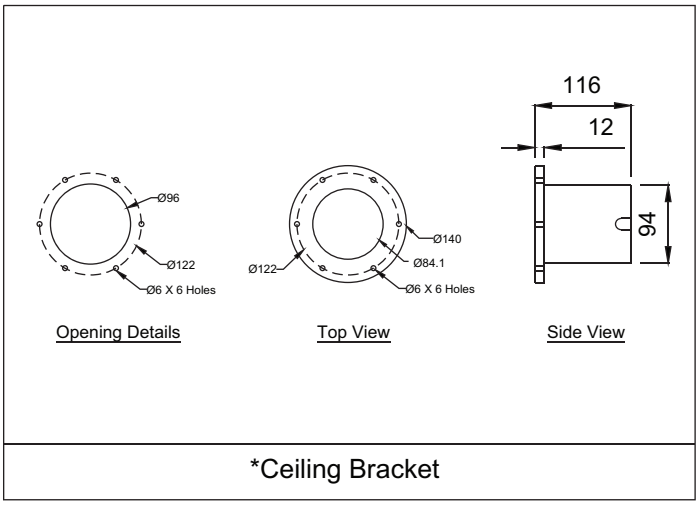
CLE-OX1-15/TPT **CLE-OX3-15/TPT**

Features

- Wide capture dome with high suction designed to efficiently collect any smoke, chemical fumes or dust
- Designed to operate reliably in challenging industrial settings, offering exceptional durability and is capable of handling high temperatures without compromising performance
- Arm features flexible joints for a wide range of motion, combined with a position-locking mechanism that allows it to be securely fixed in a desired location for stable operation

Model	CLE OX1-15/TPT	CLE OX3-15/TPT
Body	Polypropylene	
Dome Hood	Polyethylene Transparent/ Polypropylene White	
Dome Diameter (mm)	390	
Arm Diameter x Length (mm)	75 x 1500	
Recommended Airflow (cfm)	50-100	
Joint	Gear	Gasket





FUME EXTRACTOR ARMS

ACCESSORIES

Custom made Extension Column

HARD FLEX EXTRACTION ARM WITH WALL BRACKET

EXA-0982-1A + **EXA-0982-1C**

Features

- Flexible – can be bent, twisted, and turned easily without breaking
- Self-supporting
- No internal supports- airflow increased by up to 50% over externally supported design
- Expandable- Diameter can be increased
- Durable – chemical and abrasion resistant

Model	EXA-0982-1A
Diameter (inch)	3”
Material	Polypropylene
Finish	Polyurethane Powder Coat, White
Mounting Options	Wall
Length (mm)	1200mm

600mm STEEL WING BOOM WITH WALL MOUNTED SWING BOX

EXA-0982-3 + **EXA-0982-1C**

Model	EXA-0982-3
Diameter (inch)	3”
Material	Polypropylene
Finish	Polyurethane Powder Coat, White
Mounting Options	Wall
Length (mm)	1500mm to 2500mm

EXTRACTOR ARMS ACCESSORIES

3" HARD FLEXIBLE EXTRACTION ARM (900mm Length)

EXA-0982-1C

6" BELL HOOD

EXA-SPAOP5

WALL MOUNTING BRACKETS

EXA-0982-1A

600mm SWING BOOM

EXA-0982-3

COMPACT PORTABLE FUME EXTRACTOR FOR SOLDERING/LASER MARKING

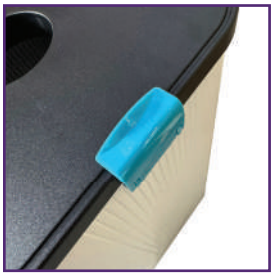
EXA-0586/G01

A versatile compact extractor for a wide range of industry from electronics to plastic. Unit is equipped with a 3 in 1 filter and semi flex arm for convenience. Effective, economical and simple to operate, it is one of the most preferred solution by customers.

Model	EXA-0586/G01
Body	Plastic
CFM	109 cfm
Filter	3 in 1 Filter
Carbon Filter Size (mm)	200mm x 200mm x 240mm
Size without Arm (mm)	233mm x 233mm x 430mm
Nominal Voltage	80W
Sound Level @ 3m	<58dBA
Arm	Semi Flex 65ø x 1200mm

Filter

Foot Pedal
Flow System



Quick-Access Clip
for Easy Filter Change

WELDING FUME EXTRACTOR

EXA-220/FA-160

A welding fume extractor designed for small workspaces delivers powerful performance without taking up valuable floor space. It combines strong suction capability with low energy consumption, ensures efficiently removing any dust or smoke. Built for convenience, it is easy to maintain, making it a practical and reliable solution for workshops with limited space.

Model	EXA-220/FA-160
Motor Power	1.5KW
Working Voltage	380v/50 hz
Air Volume	1500 m^3/h
Extraction Arm	3m
Filter Accuracy	0.3μm
Cleaning Mode	Manual
Size	550mm x 550mm x 1250mm
Filter Material	Nano flame-retardant filter
Filter Area	$23m^1$
Noise Level	≤65±3dBA
Weight	110 kg

FUME EXTRACTOR ARM

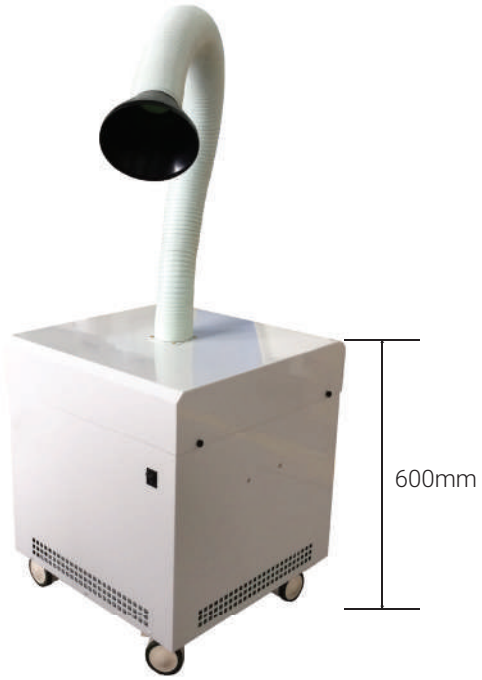
PORTABLE FUME EXTRACTION SYSTEM

EXA-0987-1 + **EXA-0982-1C** + **EXA-SPAOP5**

Features

- Mobile and compact. Can fit under bench easily
- Steel housing with oven baked epoxy polyester coated
- Equipped with chemical resistant PVC fan as standard
- Durable castor wheel with two brakes
- Various filters to meet different application
- Suitable with EXA or CLE model arms
- Designed for easy maintenance of filter

Model	EXA-0987-1
Body	Steel with Epoxy Powder Baked
CFM	120/150 cfm
Filter	Activated Carbon / HEPA
Carbon Frame	Galvanised Steel
Carbon Filter Size (mm)	450mm x 450mm x 70mm
Size without Arm (mm)	520mm x 520mm x 600mm
Nominal Voltage	230V
Sound Level @ 3m	<60dBA
Arms	CLE or EXA models
Optional	Pressure Gauge



*Picture with EXA-0982-1C and EXA-SPAOP5
*Flexible arms and filters offered separately

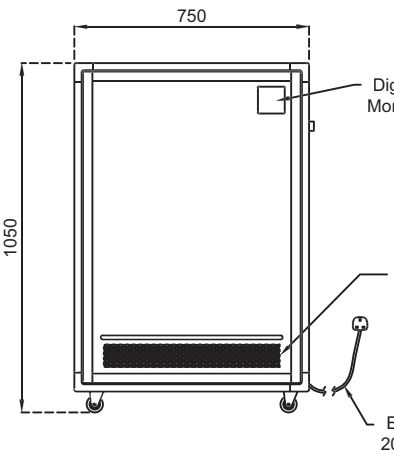
PORTABLE LAB FUME CLEANER

A comprehensive air purifying system to instantly improve air quality in small to medium size chemical laboratory. Hazardous chemical fumes are filtered with two industrial grade activated carbon filters. Above that, it is also equipped with a UV light and HEPA filter to capture and disinfect fine particles, germs and viruses.

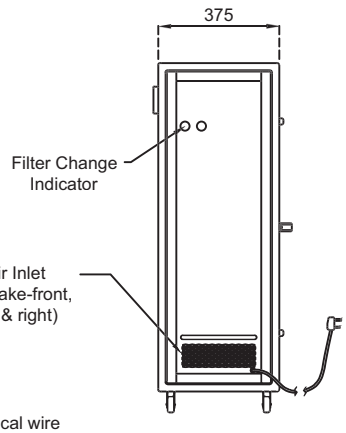
Features

- Robustly designed for heavy duty use
- Fully portable with industrial grade filter for laboratory fume with UV light to kill germs and viruses
- Simple and easy filter maintenance

Model	DLF-APF-V2500
Description	Portable Lab Fume Cleaner
Dimensions (L x W x H)	750 x 375 x 1050 mm
Weight	60 kgs
Air Volume	Up to 1470 cfm
Noise Level	< 63 dBA
Voltage	220-240 V
Controller	Touch screen with 5 speed control
Construction	Electrogalvanised Steel with Oven Baked Epoxy Polyester Coating
Blower	EC Type with DC Brushless Motor
Filters and Features	a) 1 x UV Light with safety sensor
	b) 1 x Prefilter
	c) 1 x Low Resistance Activated Carbon Filter for VOC
	d) 1 x Low Resistance Activated Carbon Filter for Acid
	e) 1 x HEPA Filter (H13)



FRONT VIEW

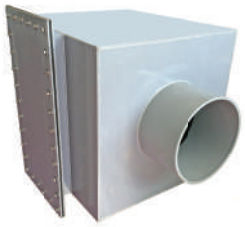


SIDE VIEW

FILTER TYPES

Model and Features	Image
SYNTHETIC PRE-FILTER **FC-CARDEAM** **Features** • Low initial pressure loss. • Easy to install and long service life.	
MINI-PLEAT TYPE MEDIUM HIGH EFFICIENCY FILTER **FC-CARDMIRA** **Features** • Easy handling, installation and removal. • Microglass paper with water repellent binder.	
PRE-FILTER FOR FILTERBOX **FC-CARBOX-P01**	
ACTIVATED CARBON FILTER CARTRIDGE FOR CHEMICAL FILTER **FC-CARBOX-F01**	
ACTIVATED CARBON FILTER CARTRIDGE FOR SORDERING FUMES **FC-CARBOX-S48** **FC-CARBOX-G48**	

FILTER TYPES

Model and Features	Image
PVC CARBON FILTER BOX CASING WITH 8" CONNECTIONS **FC-CARBOX200** **FC-CARBOX209** **Features** • 8” for inlet and outlet size. • Treatment of chemical fumes with activated carbon filter.	
DUCTED TO DUCTLESS CONVERSION SYSTEM **FC-CBS 400** **FC-CBS 700** **Features** • CBS 400 for up to 4ft fume hood. • CBS 700 for up to 6ft fume hood. • Treatment of chemical fumes with activated carbon filter.	

ABOVE HOOD SCRUBBER SYSTEM

AIRSCRUB

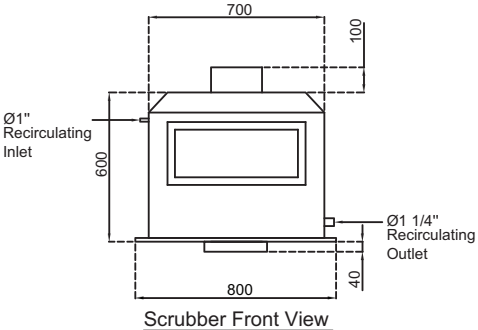
MINISCRUB

Features

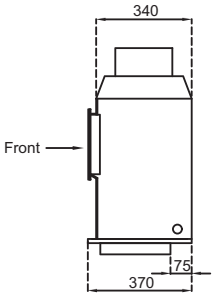
- Consist of two part system, above hood scrubber and optional holding tank
- High efficiency polypropylene packing media
- Mist eliminator
- High performance scrubber nozzles
- Chemical resistant recirculating pump
- Standalone recirculating tank

Model	AIRSCRUB/08	AIRSCRUB/10	MINISCRUB/08	MINISCRUB/10
Top Scrubber Dimensions (L x D x H) (mm)	800 x 370 x 740			
Base Holding Tank Dimensions (L x D x H) (mm)	N/A		600 x 480 x 740	
Body Construction	Polypropylene*			
Scrubbing Media	Polypropylene			
Viewing Window	1			
Duct Inlet/ Outlet (mm)	200	250	200	250
Pump Power	N/A		240V/50Hz	
Water Inlet	1”			
Water Outlet	1 ½”			

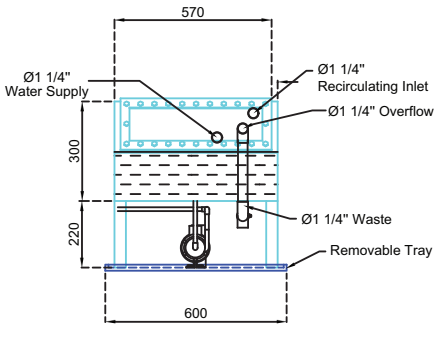
*Other materials available upon request



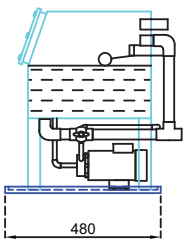
Scrubber Front View



Scrubber Side View



Tank Front View



Tank Side View

STANDALONE WET SCRUBBER SYSTEM FOR FUME HOODS

MSC10-X082

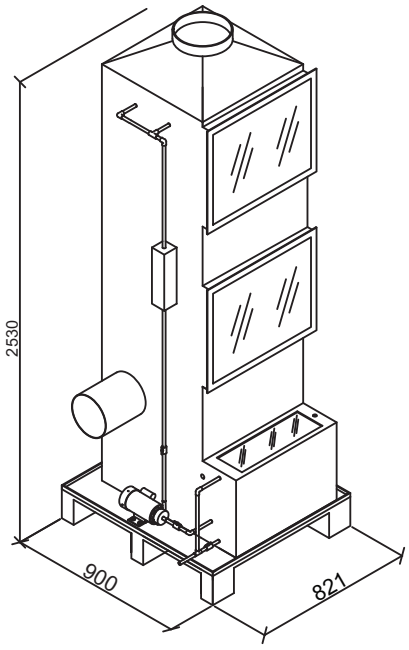
MSC08-X080

Features

- Polypropylene packing
- Mist eliminator
- High performance scrubber nozzles
- Chemical resistant recirculating pump
- Recirculating tank with pH sensor tube access

Model	MSC10-X082	MSC08-X080
Dimensions (L x D x H)	820 x 900 x 2330 mm	
Body Construction	Polypropylene (PP)*	
Viewing Windows	2	
Duct Connections	200 mm	250 mm
Optionals	▪Auto dosing system ▪Magnehelic differential pressure gauge (3 nos for DOE) ▪Rotameter ▪Flowmeter	

*Other materials available upon request



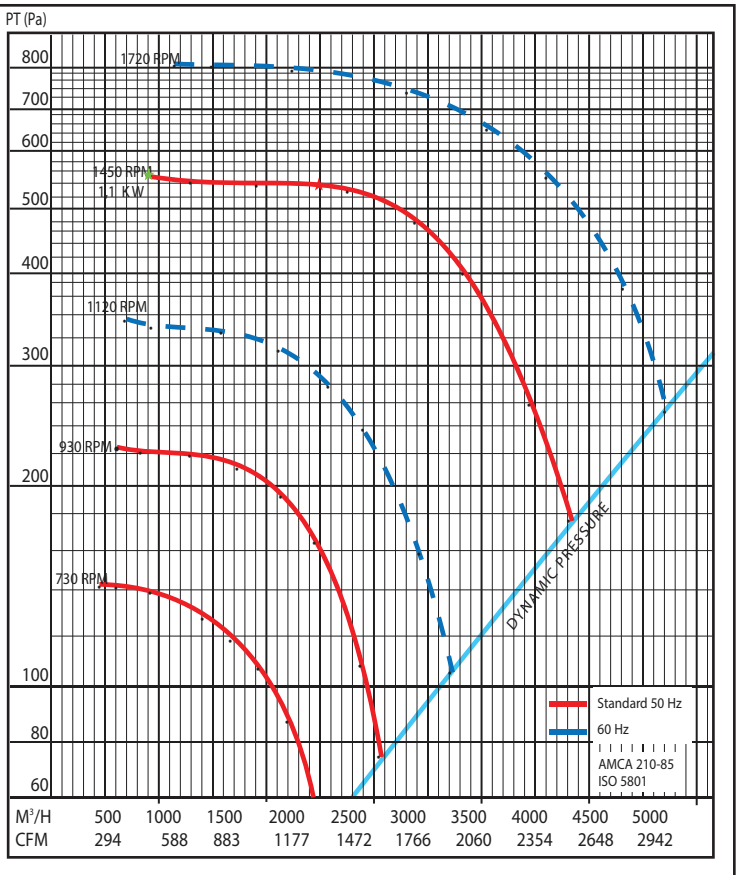
*picture with optionals

INLET PP CENTRIFUGAL FAN WITH MOTOR

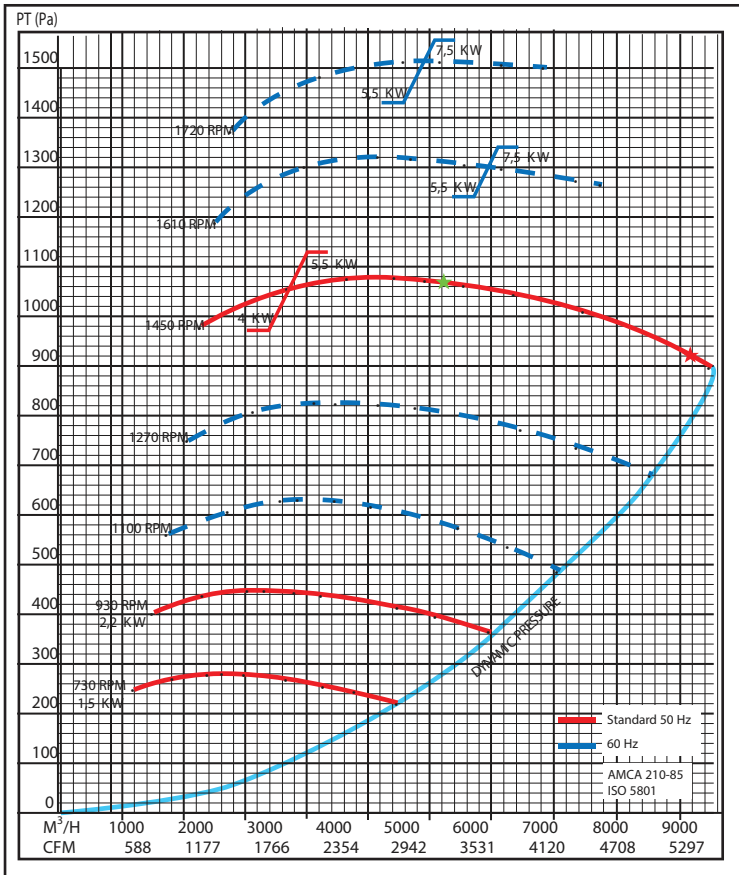
SEAT 30

SEAT 35

Model	Phase	kW	HP	g/min rpm	dB(A)
SEAT 30 (10”)	1/3	1.1	1.5	1450	78
SEAT 35 (12”)	3	5.5	7.5	1450	86



SEAT 30 (10”)



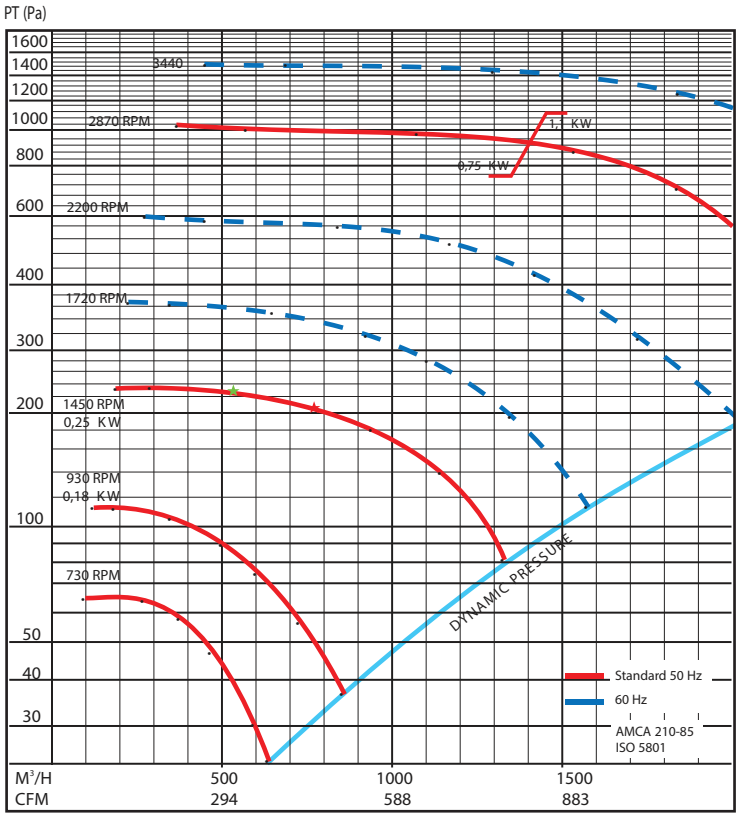
SEAT 35 (12”)

INLET PP CENTRIFUGAL FAN WITH MOTOR

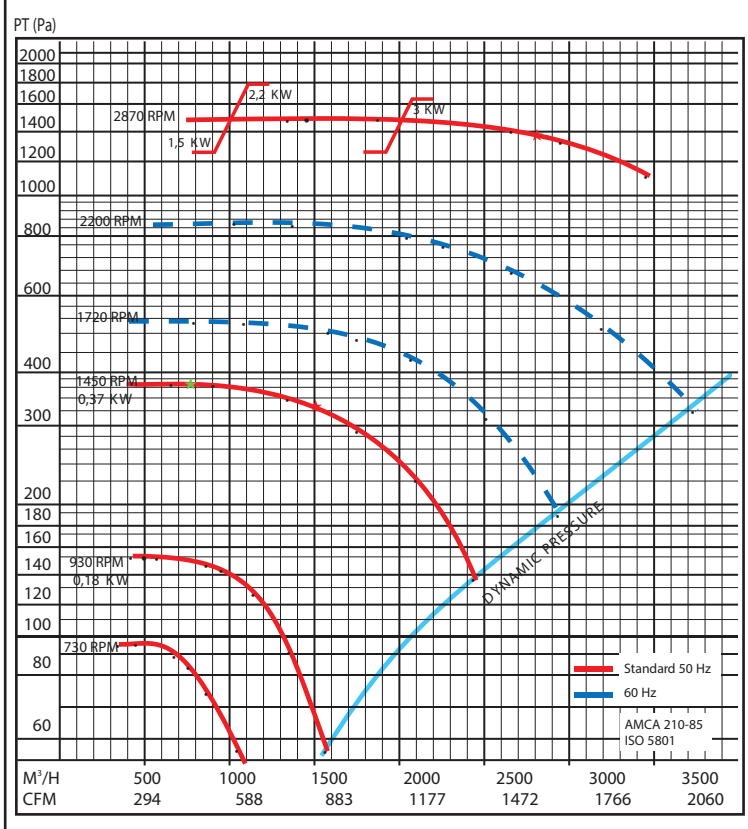
SEAT 20

SEAT 25

Model	Phase	kW	HP	g/min rpm	dB(A)
SEAT 20 (6”)	1/3	0.25	0.35	1450	65
SEAT 25 (8”)	1/3	0.37	0.5	1450	73



SEAT 20 (6”)



SEAT 25 (8”)

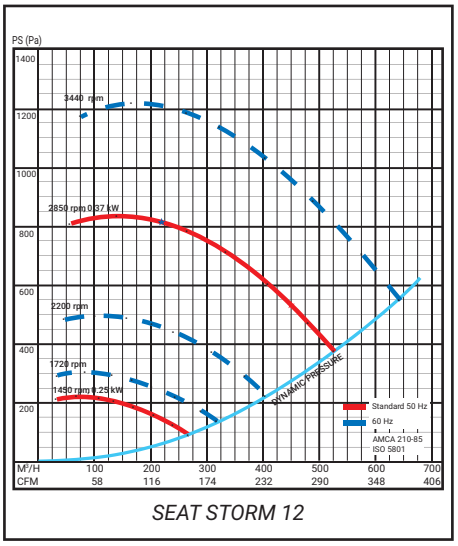
CHEMICAL RESISTANT CENTRIFUGAL FAN SEAT STORM

SEAT STORM 12

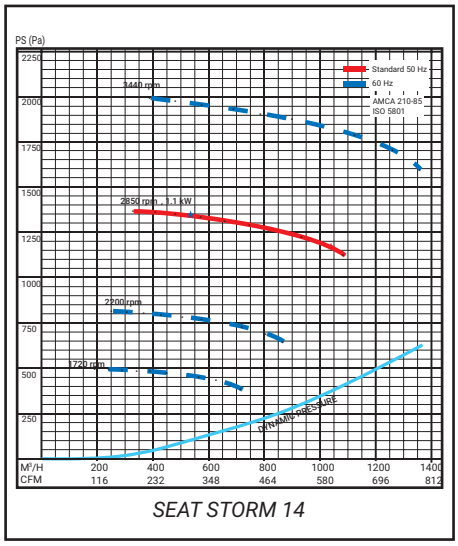
SEAT STORM 14

SEAT STORM 16

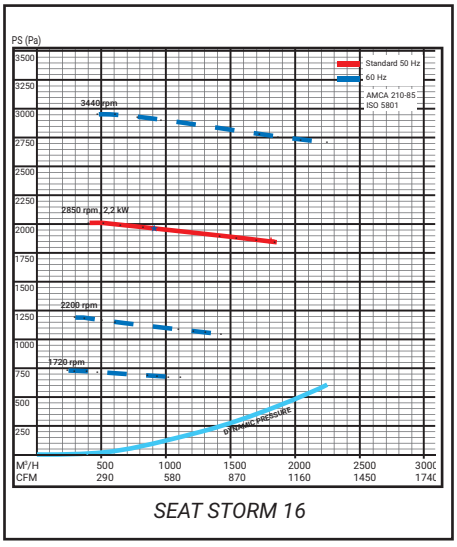
Model	Phase	kW	HP	g/min rpm	dB(A)
STORM 12	1/3	0.37	1.5	2800	71-86
STORM 14	1/3	1.1	1.5	2850	79-90
STORM 16	1/3	2.2	3	2850	82-93



SEAT STORM 12



SEAT STORM 14



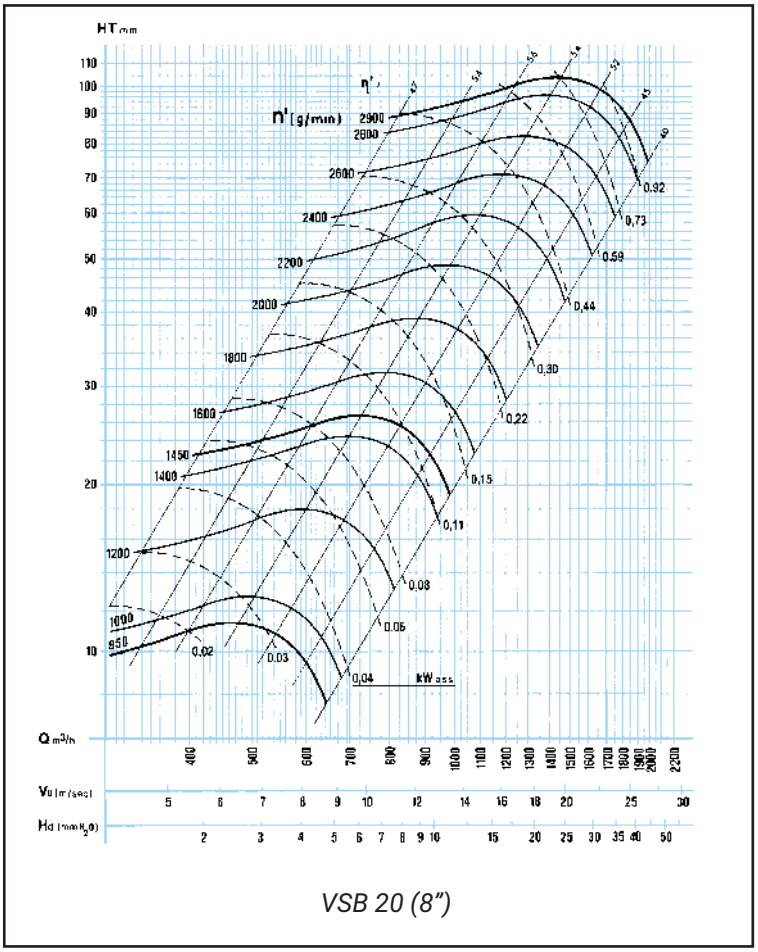
SEAT STORM 16

CHEMICAL RESISTANT CENTRIFUGAL FAN

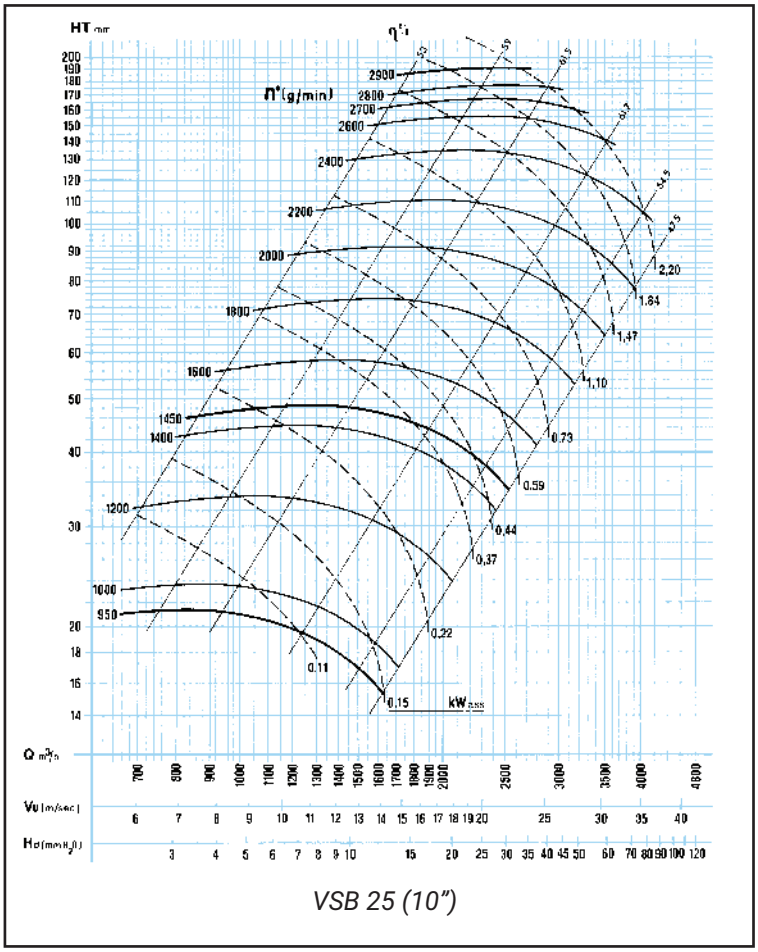
VSB 20

VSB 25

Model	Phase	kW	HP	g/min rpm	dB(A)
VSB 20 (8”)	1/3	1.1	1.5	2900	70
VSB 25 (10”)	3	2.2	3	2900	72



VSB 20 (8”)

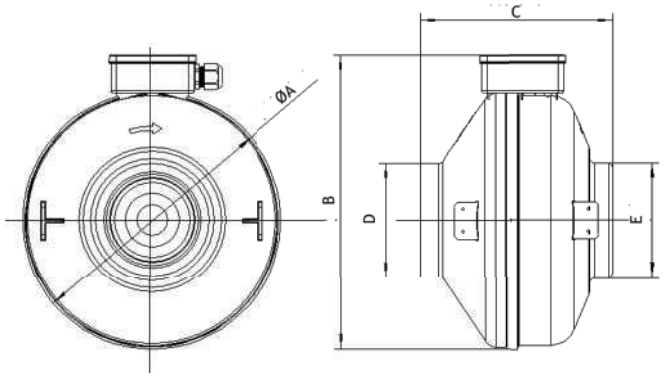


VSB 25 (10”)

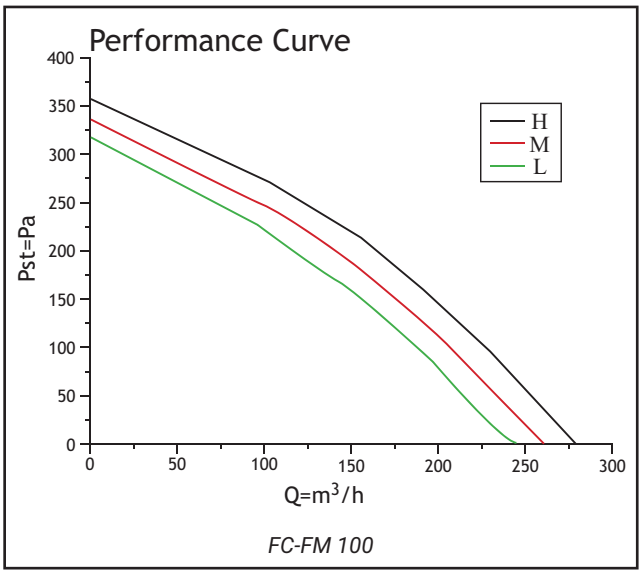
CHEMICAL RESISTANT CENTRIFUGAL PVC INLINE FAN

- FC-FM 100
- FC-FM 160
- FC-FM 200

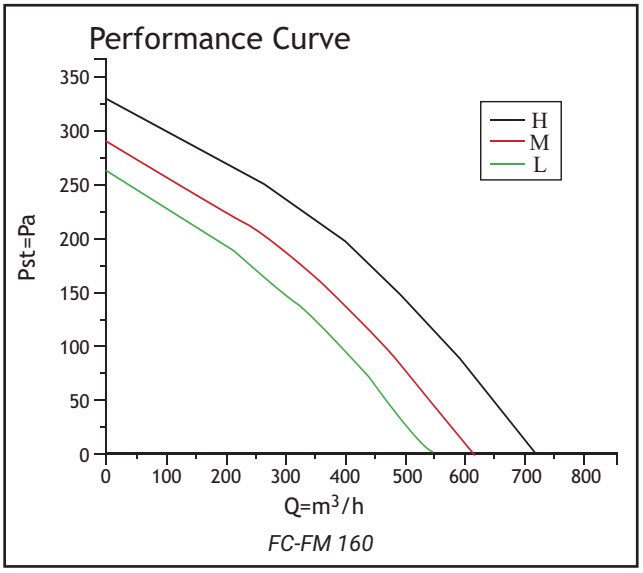
Model	Phase	kW	g/min rpm	dB(A)
FC-FM 100	1	0.06	2552	38
FC-FM 160	1	0.09	2101	40
FC-FM 200	1	0.13	2323	47



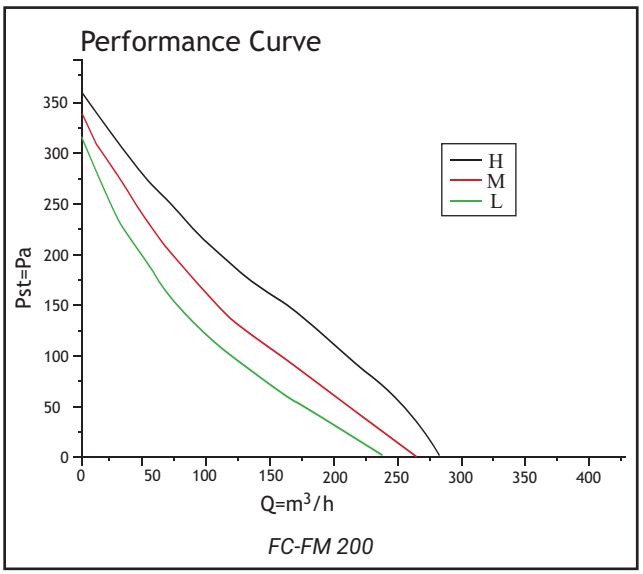
Model	Dimension				
	øA	B	C	D	E
FC-FM 100	280	332	210	98	98
FC-FM 160	310	352	242	158	158
FC-FM 200	340	382	253	198	198



FC-FM 100



FC-FM 160



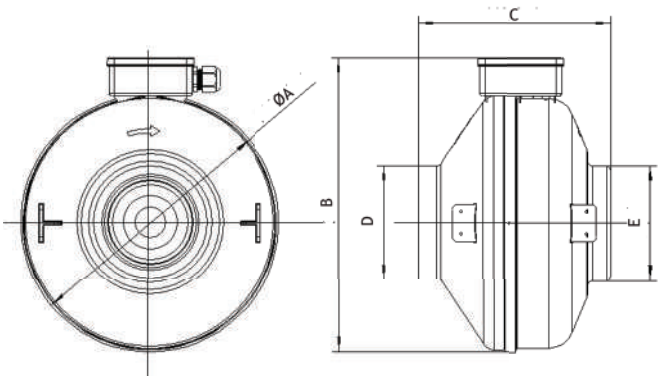
FC-FM 200

CHEMICAL RESISTANT CENTRIFUGAL PVC INLINE FAN

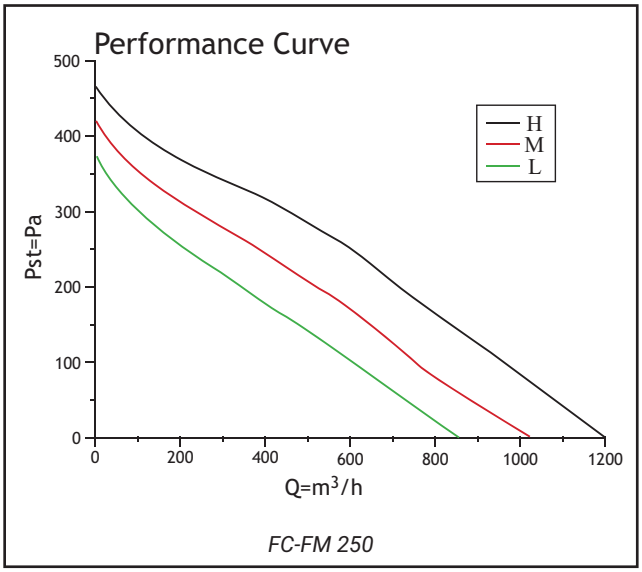
FC-FM 250

FC-FM 315

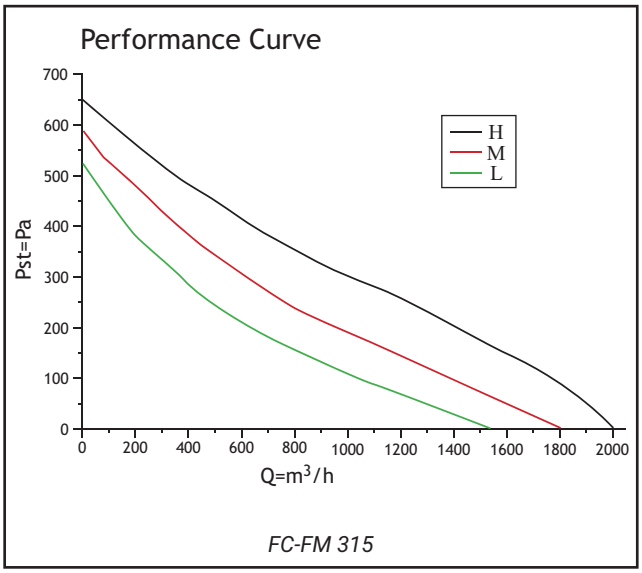
Model	Phase	kW	g/min rpm	dB(A)
FC-FM 250	1	0.14	2415	48
FC-FM 315	1	0.21	2394	54



Model	Dimension				
	øA	B	C	D	E
FC-FM 250	350	387	237	248	248
FC-FM 315	415	457	254	313	313



FC-FM 250



FC-FM 315

METHOD ENTERPRISE SDN BHD

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