CLEAN AIR SYSTEMS
New Challenges... New Opportunities...

Cleanair®

Cleanair® Fume Exhaust Hood (CAFH 900)

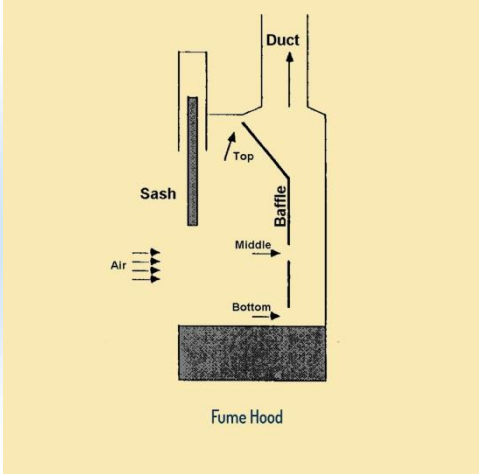
Laboratory fume hoods are moderately covered workspaces that are exhausted to the outer side. The prime objective of laboratory fume hoods is to keep poisonous or irksome vapors out of the general laboratory working area. Another purpose is to serve as a protective layer between the worker and the equipment being used when there is the possibility of an explosive reaction, or to protect the specimen. Laboratory hoods are comprised of the hood itself and a sash, which is the front panel of the fume hood that can be opened and closed to maximize access and minimize airflow.

Product Code	*CAFH 900*
Air Balancing	100% Exhaust with air bye-pass entry
Suction Velocity	80 to 100 FPM when the door 12" open
Inner working size	*W 900 x D 600 x H 600 mm (3 x 2 x 2 Feet)*
Over all dimension	*W 950 x D 650 x H 2100 mm, including Base Cabinet*
Base cabinet	*Complete rigid structure to support fume hood. Chemical resist two storage units with shutters. Each unit has on shelf, Double skin Shutter with self-closing hinges & Lock and Key. (MOC: as desired with Fume Cabinet)*
Material of Construction	*GI with FRP Construction with epoxy coated finish (or)GI construction with PU Coated with FRP/PP Lining (or) Fully PP Construction(or) SS Construction(or) Stainless steel*
Noise Level	*60 dB "A" Scale if blower mounted outside the lab*
Front door slide	600 mm/ 750 mm height from the bed / work table
Worktable height	*900 mm from the floor level*
Work table	*The work table is made of **6mm thick FRP** (Fiber-reinforced Plastic – Single Molding with-out Joint) **top** with heavy underneath support. (or) with 10 mm PP Construction(or) Stainless steel*

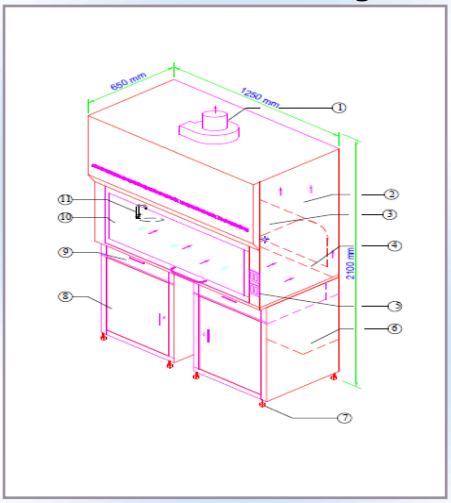
Product Code CAFH 1200

	Construction (or) 18 mm Thickness of Black granite
Front door	*The Front door is made of 4 mm Polycarbonate Sheet, connected to suitably balanced counter weight through wire rope for smooth up & down movement*
Sink / Drip cup	*Made of FRP / PP with swan neck water tap. (or) SS sink (It is Optional)*
Baffle	*Sturdy baffle provided at about 300mm above the work-table to uniformly direct the fumes / odor / smoke directly in to the hood's exhaust system. Suction will be done at three different levels suitable for mild to heavy fumes*
Illumination	*2 Feet, 20 Watts LED tubes: 1 Nos*
ON/OFF Controls:	*Switches are provided for blower, & Daylight lamp and inner supply for power point*
Power Supply	*230V, Single phase, 50 Hz*
Blower & Duct	*Fume chamber will be provided with a powerful centrifugal blower, mounted on top of the Hood, suitably designed to create necessary suction pressure so as to force the fumes from the hood to exhaust out in to the atmosphere through the duct of 150 / 200 mm diameter exhaust duct made of PVC pipe – up to a length of 10 Feet with suitable whether cowl. The blower and casing will be made of mild steel with polyurethane paint coated / FRP finish.*

Airflow Pattern



Schematic Drawing



LEGENDS	
1	EXHAUST MOTOR BLOWER ASSEMBLY
2	BAFFLE
3	DAY LIGHT
4	FRP TABLE TOP
5	ON/OFF CONTROL
6	STORAGE RACK
7	LEVELING SCREWS
8	STORAGE CABINET
9	DRAWER
10	P C SHEET SLIDEING DOOR
11	FRP SINK WITH PVC WATER TAB

Standard Accessories	• 1 No. of 5/15A power sockets • Two inlet nozzles for gas / vacuum supply • Heavy duty floor leveling screws	
Optional Accessories if required	• *Apparatus Grid* • *Air Flow Monitor* • *PDI Controller* • *FLP Motor* • *FLP Switches* • *FLP light* • *Motorized Door*	
Weight before packing	*Approximate 210 KG*	
Weight after packing	*Approximate 320 KG if packed in full wooden crate box*	

CLEAN AIR SYSTEMS is an ISO 9001-2015 certified company & our products are CE certified

NSIC: *NSIC/BO(G)/GP/253/2011* ***UAN:*** *TN02B0098373* ***UDYAM CERTIFICATE:*** *UDYAM -TN-02-0021692*

Contact: *No 4, Senthil Nagar, 100 Feet Road, Arumbakkam, Chennai – 600 106 Ph: 044-2362 1476*
Mob: +91 9841074504 WhatsApp: +919551119111 Website: www.cleanairindia.com

NSIC ISO 9001 : 2008 MSME MICRO, SMALL & MEDIUM ENTERPRISES CE UKcert

CLEAN AIR SYSTEMS
New Challenges... New Opportunities...

Cleanair®

Cleanair® Fume Exhaust Hood (CAFH 1200)

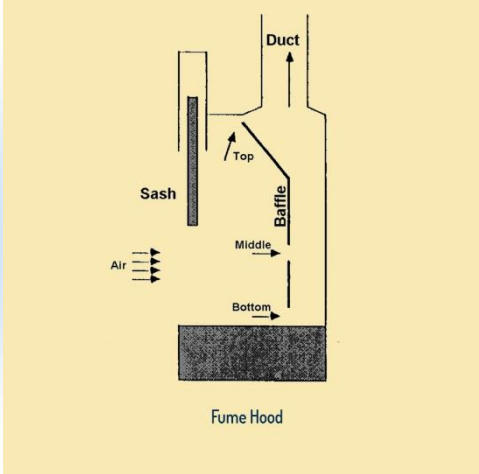
Laboratory fume hoods are moderately covered workspaces that are exhausted to the outer side. The prime objective of laboratory fume hoods is to keep poisonous or irksome vapors out of the general laboratory working area. Another purpose is to serve as a protective layer between the worker and the equipment being used when there is the possibility of an explosive reaction, or to protect the specimen. Laboratory hoods are comprised of the hood itself and a sash, which is the front panel of the fume hood that can be opened and closed to maximize access and minimize airflow.

Product Code	*CAFH 1200*
Air Balancing	100% Exhaust with air bye-pass entry
Suction Velocity	80 to 100 FPM when the door 12" open
Inner working size	*W 1200 x D 600 x H 600 mm (3 x 2 x 2 Feet)*
Over all dimension	*W 1250 x D 650 X H 2100 mm, including Base Cabinet*
Base cabinet	*Complete rigid structure to support fume hood. Chemical resist two storage units with shutters. Each unit has on shelf, Double skin Shutter with self-closing hinges & Lock and Key. (MOC: as desired with Fume Cabinet)*
Material of Construction	*GI with FRP Construction with epoxy coated finish (or)GI construction with PU Coated with FRP/PP Lining (or) Fully PP Construction(or) SS Construction(or) Stainless steel*
Noise Level	*60 dB "A" Scale if blower mounted outside the lab*
Front door slide	600 mm/ 750 mm height from the bed / work table
Worktable height	*900 mm from the floor level*
Work table	*The work table is made of **6mm thick FRP** (Fiber-reinforced Plastic – Single Molding with-out Joint) **top** with heavy underneath support. (or) with 10 mm PP Construction(or) Stainless steel*

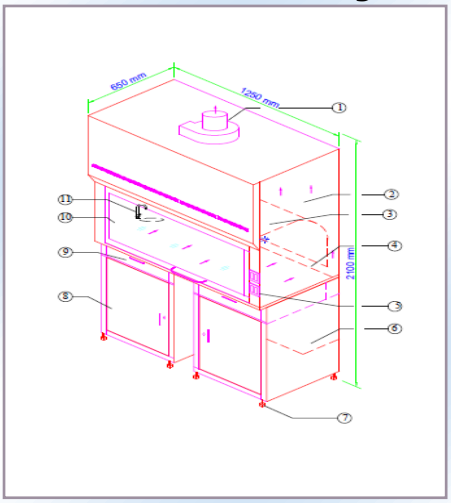
Product Code CAFH 1200

	Construction (or) 18 mm Thickness of Black granite
Front door	*The Front door is made of 4 mm Polycarbonate Sheet, connected to suitably balanced counter weight through wire rope for smooth up & down movement*
Sink / Drip cup	*Made of FRP / PP with swan neck water tap. (or) SS sink (It is Optional)*
Baffle	*Sturdy baffle provided at about 300mm above the work-table to uniformly direct the fumes / odor / smoke directly in to the hood's exhaust system. Suction will be done at three different levels suitable for mild to heavy fumes*
Illumination	*2 Feet, 20 Watts LED tubes: 1 Nos*
ON/OFF Controls:	*Switches are provided for blower, & Daylight lamp and inner supply for power point*
Power Supply	*230V, Single phase, 50 Hz*
Blower & Duct	*Fume chamber will be provided with a powerful centrifugal blower, mounted on top of the Hood, suitably designed to create necessary suction pressure so as to force the fumes from the hood to exhaust out in to the atmosphere through the duct of 150 / 200 mm diameter exhaust duct made of PVC pipe – up to a length of 10 Feet with suitable whether cowl. The blower and casing will be made of mild steel with polyurethane paint coated / FRP finish.*

Airflow Pattern



Schematic Drawing



LEGENDS	
1	EXHAUST MOTOR BLOWER ASSEMBLY
2	BAFFLE
3	DAY LIGHT
4	FRP TABLE TOP
5	ON/OFF CONTROL
6	STORAGE RACK
7	LEVELING SCREWS
8	STORAGE CABINET
9	DRAWER
10	P C SHEET SLIDEING DOOR
11	FRP SINK WITH PVC WATER TAB

Standard Accessories	• 1 No. of 5/15A power sockets • Two inlet nozzles for gas / vacuum supply • Heavy duty floor leveling screws	
Optional Accessories if required	• *Apparatus Grid* • *Air Flow Monitor* • *PDI Controller* • *FLP Motor* • *FLP Switches* • *FLP light* • *Motorized Door*	
Weight before packing	*Approximate 230 KG*	
Weight after packing	*Approximate 350 KG if packed in full wooden crate box*	

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NSIC: *NSIC/BO(G)/GP/253/2011* ***UAN:*** *TN02B0098373* ***UDYAM CERTIFICATE:*** *UDYAM -TN-02-0021692*

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Cleanair® Fume Exhaust Hood (CAFH 1500)

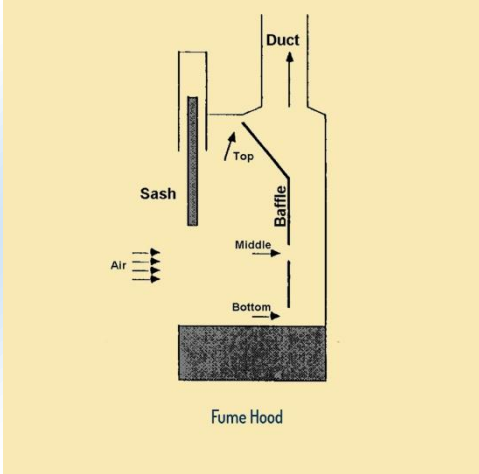
Laboratory fume hoods are moderately covered workspaces that are exhausted to the outer side. The prime objective of laboratory fume hoods is to keep poisonous or irksome vapors out of the general laboratory working area. Another purpose is to serve as a protective layer between the worker and the equipment being used when there is the possibility of an explosive reaction, or to protect the specimen. Laboratory hoods are comprised of the hood itself and a sash, which is the front panel of the fume hood that can be opened and closed to maximize access and minimize airflow.

Product Code	*CAFH 1500*
Air Balancing	100% Exhaust with air bye-pass entry
Suction Velocity	80 to 100 FPM when the door 12" open
Inner working size	*W 1500 x D 750 x H 750 mm (5 x 3 x 3 Feet)*
Over all dimension	*W 1600 x D 800 x H 2250 mm, including Base Cabinet*
Base cabinet	*Complete rigid structure to support fume hood. Chemical resist two storage units with shutters. Each unit has on shelf, Double skin Shutter with self-closing hinges & Lock and Key. (MOC: as desired with Fume Cabinet)*
Material of Construction	*GI with FRP Construction with epoxy coated finish (or)GI construction with PU Coated with FRP/PP Lining (or) Fully PP Construction(or) SS Construction(or) Stainless steel*
Noise Level	*60 dB "A" Scale if blower mounted outside the lab*
Front door slide	600 mm/ 750 mm height from the bed / work table
Worktable height	*900 mm from the floor level*
Work table	*The work table is made of **6mm thick FRP** (Fiber-reinforced Plastic – Single Molding with-out Joint) **top** with heavy underneath support. (or) with 10 mm PP Construction(or) Stainless steel*

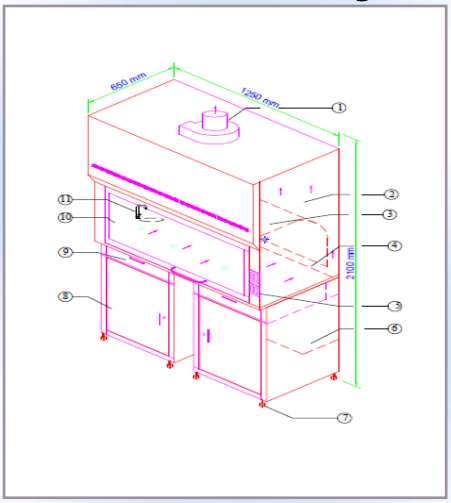
Product Code CAFH 1200

	Construction (or) 18 mm Thickness of Black granite
Front door	*The Front door is made of 4 mm Polycarbonate Sheet, connected to suitably balanced counter weight through wire rope for smooth up & down movement*
Sink / Drip cup	*Made of FRP / PP with swan neck water tap. (or) SS sink (It is Optional)*
Baffle	*Sturdy baffle provided at about 300mm above the work-table to uniformly direct the fumes / odor / smoke directly in to the hood's exhaust system. Suction will be done at three different levels suitable for mild to heavy fumes*
Illumination	*2 Feet, 20 Watts LED tubes: 1 Nos*
ON/OFF Controls:	*Switches are provided for blower, & Daylight lamp and inner supply for power point*
Power Supply	*230V, Single phase, 50 Hz*
Blower & Duct	*Fume chamber will be provided with a powerful centrifugal blower, mounted on top of the Hood, suitably designed to create necessary suction pressure so as to force the fumes from the hood to exhaust out in to the atmosphere through the duct of 150 / 200 mm diameter exhaust duct made of PVC pipe – up to a length of 10 Feet with suitable whether cowl. The blower and casing will be made of mild steel with polyurethane paint coated / FRP finish.*

Airflow Pattern



Schematic Drawing



LEGENDS	
1	EXHAUST MOTOR BLOWER ASSEMBLY
2	BAFFLE
3	DAY LIGHT
4	FRP TABLE TOP
5	ON/OFF CONTROL
6	STORAGE RACK
7	LEVELING SCREWS
8	STORAGE CABINET
9	DRAWER
10	P C SHEET SLIDEING DOOR
11	FRP SINK WITH PVC WATER TAB

Standard Accessories	• 1 No. of 5/15A power sockets • Two inlet nozzles for gas / vacuum supply • Heavy duty floor leveling screws	
Optional Accessories if required	• *Apparatus Grid* • *Air Flow Monitor* • *PDI Controller* • *FLP Motor* • *FLP Switches* • *FLP light* • *Motorized Door*	
Weight before packing	*Approximate 270 KG*	
Weight after packing	*Approximate 400 KG if packed in full wooden crate box*	

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Cleanair® Fume Exhaust Hood (CAFH 1800)

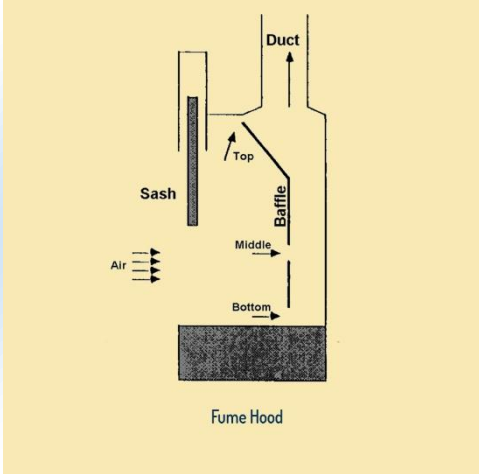
Laboratory fume hoods are moderately covered workspaces that are exhausted to the outer side. The prime objective of laboratory fume hoods is to keep poisonous or irksome vapors out of the general laboratory working area. Another purpose is to serve as a protective layer between the worker and the equipment being used when there is the possibility of an explosive reaction, or to protect the specimen. Laboratory hoods are comprised of the hood itself and a sash, which is the front panel of the fume hood that can be opened and closed to maximize access and minimize airflow.

Product Code	*CAFH 1800*
Air Balancing	100% Exhaust with air bye-pass entry
Suction Velocity	80 to 100 FPM when the door 12" open
Inner working size	*W 1800 x D 750 x H 750 mm (6 x 3 x 3 Feet)*
Over all dimension	*W 1900 x D 800 x H 2250 mm, including Base Cabinet*
Base cabinet	*Complete rigid structure to support fume hood. Chemical resist two storage units with shutters. Each unit has on shelf, Double skin Shutter with self-closing hinges & Lock and Key. (MOC: as desired with Fume Cabinet)*
Material of Construction	*GI with FRP Construction with epoxy coated finish (or)GI construction with PU Coated with FRP/PP Lining (or) Fully PP Construction(or) SS Construction(or) Stainless steel*
Noise Level	*60 dB "A" Scale if blower mounted outside the lab*
Front door slide	600 mm/ 750 mm height from the bed / work table
Worktable height	*900 mm from the floor level*
Work table	*The work table is made of **6mm thick FRP** (Fiber-reinforced Plastic – Single Molding with-out Joint) **top** with heavy underneath support. (or) with 10 mm PP Construction(or) Stainless steel*

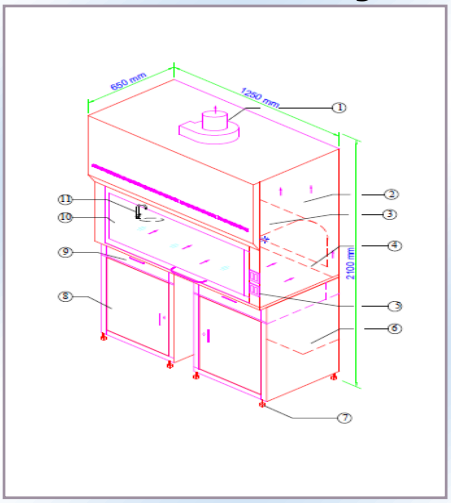
Product Code CAFH 1200

	Construction (or) 18 mm Thickness of Black granite
Front door	*The Front door is made of 4 mm Polycarbonate Sheet, connected to suitably balanced counter weight through wire rope for smooth up & down movement*
Sink / Drip cup	*Made of FRP / PP with swan neck water tap. (or) SS sink (It is Optional)*
Baffle	*Sturdy baffle provided at about 300mm above the work-table to uniformly direct the fumes / odor / smoke directly in to the hood's exhaust system. Suction will be done at three different levels suitable for mild to heavy fumes*
Illumination	*2 Feet, 20 Watts LED tubes: 1 Nos*
ON/OFF Controls:	*Switches are provided for blower, & Daylight lamp and inner supply for power point*
Power Supply	*230V, Single phase, 50 Hz*
Blower & Duct	*Fume chamber will be provided with a powerful centrifugal blower, mounted on top of the Hood, suitably designed to create necessary suction pressure so as to force the fumes from the hood to exhaust out in to the atmosphere through the duct of 150 / 200 mm diameter exhaust duct made of PVC pipe – up to a length of 10 Feet with suitable whether cowl. The blower and casing will be made of mild steel with polyurethane paint coated / FRP finish.*

Airflow Pattern



Schematic Drawing



LEGENDS	
1	EXHAUST MOTOR BLOWER ASSEMBLY
2	BAFFLE
3	DAY LIGHT
4	FRP TABLE TOP
5	ON/OFF CONTROL
6	STORAGE RACK
7	LEVELING SCREWS
8	STORAGE CABINET
9	DRAWER
10	P C SHEET SLIDEING DOOR
11	FRP SINK WITH PVC WATER TAB

Standard Accessories	• 1 No. of 5/15A power sockets • Two inlet nozzles for gas / vacuum supply • Heavy duty floor leveling screws	
Optional Accessories if required	• *Apparatus Grid* • *Air Flow Monitor* • *PDI Controller* • *FLP Motor* • *FLP Switches* • *FLP light* • *Motorized Door*	
Weight before packing	*Approximate 230 KG*	
Weight after packing	*Approximate 350 KG if packed in full wooden crate box*	

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