



Ettore Darvi

AIRSAFE Fume Hood



AIR SAFE Fume Hood

Air Safe Fume Hood has been designed to protect personnel and environment from heat and toxic chemical fumes by taking 100% contaminated air from the hood' operational area to the environment through suitable leak proof duct. The operator is protected by providing the workstation at negative pressure. This Fume Hood offers operator protection from heat or chemical carcinogens. The hood is kept under negative pressure by pulling the contaminated air/aerosol from the hood and exhausting the same through suitable leak proof duct to the open. The exhaust line/duct is advised to connect with fumes scrubber system to ensure complete safety to the open environment.

The hood cabinet is fabricated out of M.S./S.S. – sheet. The inside walls of the hood cabinet is made of a S.S. /M.S. with FRP coated sheet with minimum possible joints to avoid any leakage. Moreover, the necessary joints are welded properly and if required, appropriate sealant is applied on all joints. 6/16 Amp power sockets with suitable switches are fitted on the front side panel of the hood to operate any external equipment inside the hood. Suitable and compatible motors with blower, dynamically balanced are provided to ensure 100% exhaust from the hood. Blower and motor assembly is placed outside the room to minimize noise level in the room. The work station is illuminated by tubes/LED bulbs, fitted to the unit. The front is equipped with sliding toughened glass/polycarbonate sheet door. The door is fitted with the mechanism that it stays at a position where it is left for the operator convenient. Gas inlet along with regulating valve is also fitted in the hood to use gas from external cylinder inside the hood. A sink, equipped with water tap and drain outlet is fitted inside the hood.

A heavy platform made of pipe and sheet with granite top is also supplied to place the external equipment on it. A chemical storage cabinet is also provided under the platform to store various chemicals, glass-wares and other equipment. To work on 220/440 volts AC single/three phase supply.

A fumes scrubber with built in motor pump to re-circulate the scrubbing fluid inside the scrubber tank is also provided, if opted to ensure non-contaminated fumes exhaust to the environment.

Technical Specifications

Parameters	Models				
	Eco.			Prime	
Inside Chamber	FRP Coated-Sheet	FRP Coated-Sheet	FRP Coated-Sheet	S.S. 316	S.S. 316
Outside Chamber	G.I. – Powder Coated	G.I. – Powder Coated	G.I. – Powder Coated	S.S. 304	S.S. 304
Blower	1400 / 2800 RPM				
Controlling	Manual	LCD Control Panel			
Display	N.A.	Temp.	Temp., Air Velocity & Air Flow		
Illumination	LED				
External Sockets	Provided (2 Nos.)	Provided (2 Nos.)	Provided (4 Nos.)	Provided (4 Nos.)	Provided (4 Nos.)
External Gas Connections	Optional	Provided	Provided	Provided	Provided
Chamber's Depth	600 mm	750 mm	900 mm	750 mm	900 mm
Chamber's Height	600 mm	750 mm	900 mm	750 mm	900 mm
Storage Cabinet	Optional	Provided	Provided	Provided	Provided
Sink	Optional	Provided	Provided	Provided	Provided
Scrubber	Optional				
Working Table	Granite				
Front Door	Front rising toughened glass door with counter weights				
Calibration	Free of Cost from NABL accredited Lab				
Instruction Manual	Standard				
Documents	Free of Cost DQ, OQ, I.Q & PQ				

Note: May also be provided in customized sizes

Ordering Information

Part No.	Description
AFH-06-E-I	Airsafe Fume Hood Economy Width-600mm with Manual Control Depth and Height 600mm
AFH-09-E-I	Airsafe Fume Hood Economy Width-900mm with Manual Control, Depth and Height 600mm
AFH-12-E-I	Airsafe Fume Hood Economy Width-1200mm with Manual Control, Depth and Height 600mm
AFH-18-E-I	Airsafe Fume Hood Economy Width-1800mm with Manual Control, Depth and Height 600mm
AFH-06-E-II	Airsafe Fume Hood Economy Width-600mm with LCD Control Panel, Depth and Height 750mm
AFH-09-E-II	Airsafe Fume Hood Economy Width-900mm with LCD Control Panel, Depth and Height 750 mm
AFH-12-E-II	Airsafe Fume Hood Economy Width-1200 mm with LCD Control Panel, Depth and Height 750mm
AFH-18-E-II	Airsafe Fume Hood Economy Width-1800mm with LCD Control Panel, Depth and Height 750mm
AFH-06-E-III	Airsafe Fume Hood Economy Width 600mm with Temp/Air Vel/Air Flow- Depth and Height-900mm
AFH-09-E-III	Airsafe Fume Hood Economy Width 900mm with Temp/Air Vel/Air Flow- Depth and Height-900mm
AFH-12-E-III	Airsafe Fume Hood Economy Width 1200mm with Temp/Air Vel/Air Flow- Depth and Height-900mm
AFH-18-E-III	Airsafe Fume Hood Economy Width 1800mm with Temp/Air Vel/Air Flow- Depth and Height-900mm
AFH-06-P-IA	Airsafe Fume Hood Premium Width 600mm with Temp/Air Vel/Air Flow- Depth and Height-750mm
FH-09-P-I	Airsafe Fume Hood Premium Width 900mm with Temp/Air Vel/Air Flow- Depth and Height-750mm
AFH-12-P-I	Airsafe Fume Hood Premium Width 1200mm with Temp/Air Vel/Air Flow- Depth and Height-750mm
AFH-18-P-I	Airsafe Fume Hood Premium Width 1800mm with Temp/Air Vel/Air Flow- Depth and Height-750mm
AFH-06-P-II	Airsafe Fume Hood Premium Width 600mm with Temp/Air Vel/Air Flow- Depth and Height-900mm; Scrubber as Std
AFH-09-P-II	Airsafe Fume Hood Premium Width 900mm with Temp/Air Vel/Air Flow- Depth and Height-900mm; Scrubber as Std
AFH-12-P-II	Airsafe Fume Hood Premium Width 1200mm with Temp/Air Vel/Air Flow- Depth and Height-900mm; Scrubber as Std
AFH-18-P-II	Airsafe Fume Hood Premium Width 1800mm with Temp/Air Vel/Air Flow- Depth and Height-900mm; Scrubber as Std

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