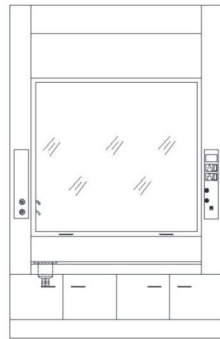






• Types of Fume Hood :

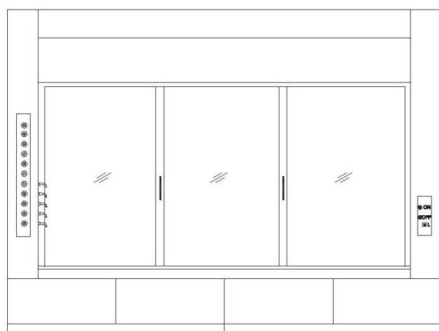
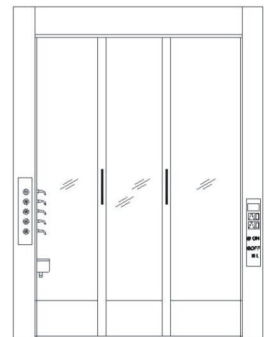


• Low bench

• Walk-in type



• Bench mounted



• Custom size

Fume hood assembly details



Acid resistant lining



Fume hood valve



Epoxy grid



Nylon pulley and SS rope for counter balance system

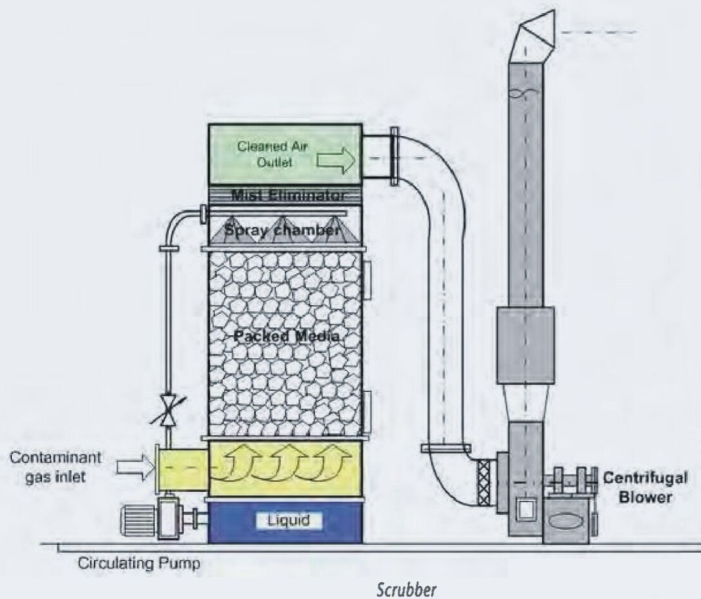


Brass nozzle & PU tubing with presto fittings



Trespa lining (optional)

Fume exhaust system



• How to use Fume Hood :



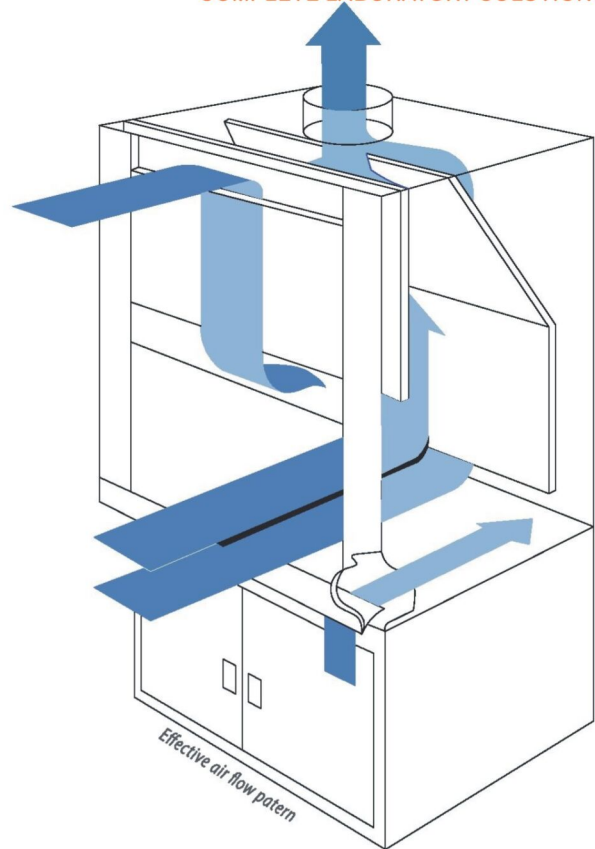
- Please place your equipment and other materials at least six inches behind the sash; preferably in the middle of the fume hood.
This will reduce the exposure of personnel to hazardous chemical vapors that may escape inside the lab due to air turbulence.
- When the hood is not in use, pull the sash all the way down. While personnel are working at the hood, pull down the sash as far as is practically possible.
- The sash is generally made of safety / toughened glass which protects users against fire, splashes, and explosions.
- Please keep fume hood sash open at or below 18 inches; preferably it should be below the nose level of the user.
- Do not keep loose papers or tissues inside the hood. This kind of material can be drawn into the blower and adversely affect the performance of the hood.
- Do not use a fume hood or its base as a storage cabinet for chemicals.
- Excessive storage of chemicals or other items will disrupt the designed airflow inside the fume hood. Particularly, avoid storing chemicals against the baffle at the back of the hood because this will interfere with the laminar airflow across the hood.
- In case, large equipment is must to be kept inside fume hood, please raise it at least 2 inches off the work surface to allow air to flow underneath. This reduces the turbulence within the hood and helps to increase its performance.
- Please do not block the front of a fume hood (e.g. refrigerators or lab coats hanging on the manual controls) as this can disrupt the airflow and draw contaminants out of the hood.
- It is to be understood that modifications made to a fume hood system can be a reason to make the entire system ineffective. Modifications should be done with the help of the experts.
- Avoid foot traffic in front of fume hood that causes turbulence and can draw contaminants out of the hood and into the room.

'Using wrong fume hood correctly' OR
'Right fume hood wrongly' gives no result

Laboratory Work Stations



Fume Hoods



Organizations	Citation	Face Velocity
ACGIH	Industrial Ventilation 19th edition p.5.24	60-100 fpm
ASHRAE	1999 ASHRAE Handbook 13.5	60-175 fpm
ANSI/AIHA	ANSI/AIHA Z9.5, Sect 5.7	80-120 fpm
CALOSHA	CCR Title VIII Subchapter 7.5454.1	min 100 fpm
NRC	Prudent Practices P.187	80-100 fpm
NFPA	NFPA 45 6-4.5 & A6-4.5	80-120 fpm
NIOSH	Recommended Industrial Ventilation Guidelines p.166	100-150 fpm
NRC	NRC Guide 6.3	100 fpm
OSHA	29 CFR 1910 Appendix A Sec. A.C.4.g	60-100 fpm
SEFA	SEFA 1.2 : 5.2	75-100 fpm

Fume hood performance



Ideal Noise level < 70 dB



Required average face velocity 0.5 m/s



Airflow monitor

Pedestal assembly



Skirting assembly



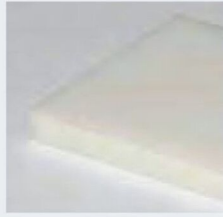
C-frame assembly



Casework on wheels



Choice of worktops



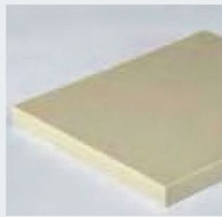
• PP tops



• SS tops



• Trespa tops



• PVC tops



• Wooden tops



• Granite tops



• Moulded tops

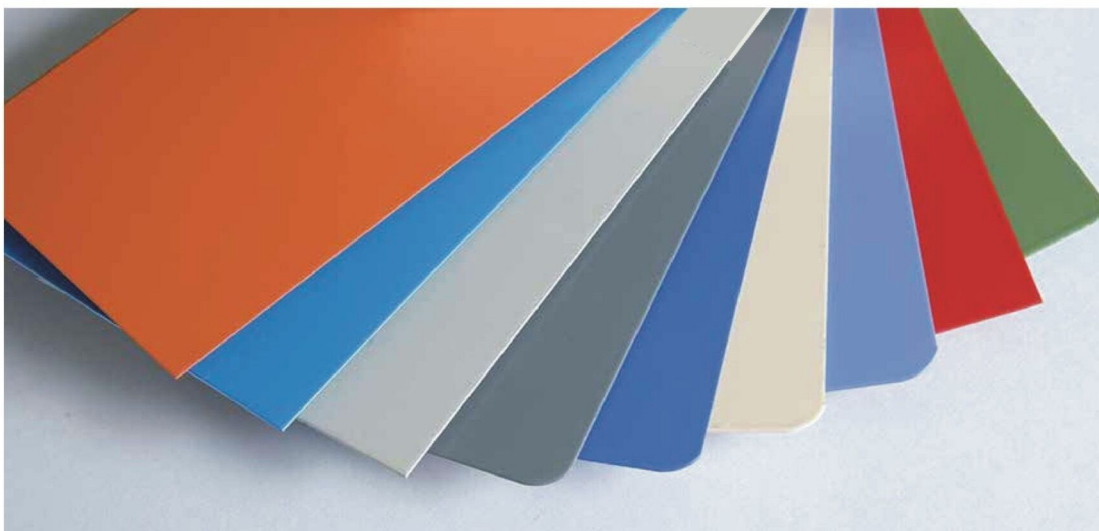


• Ceramic tops

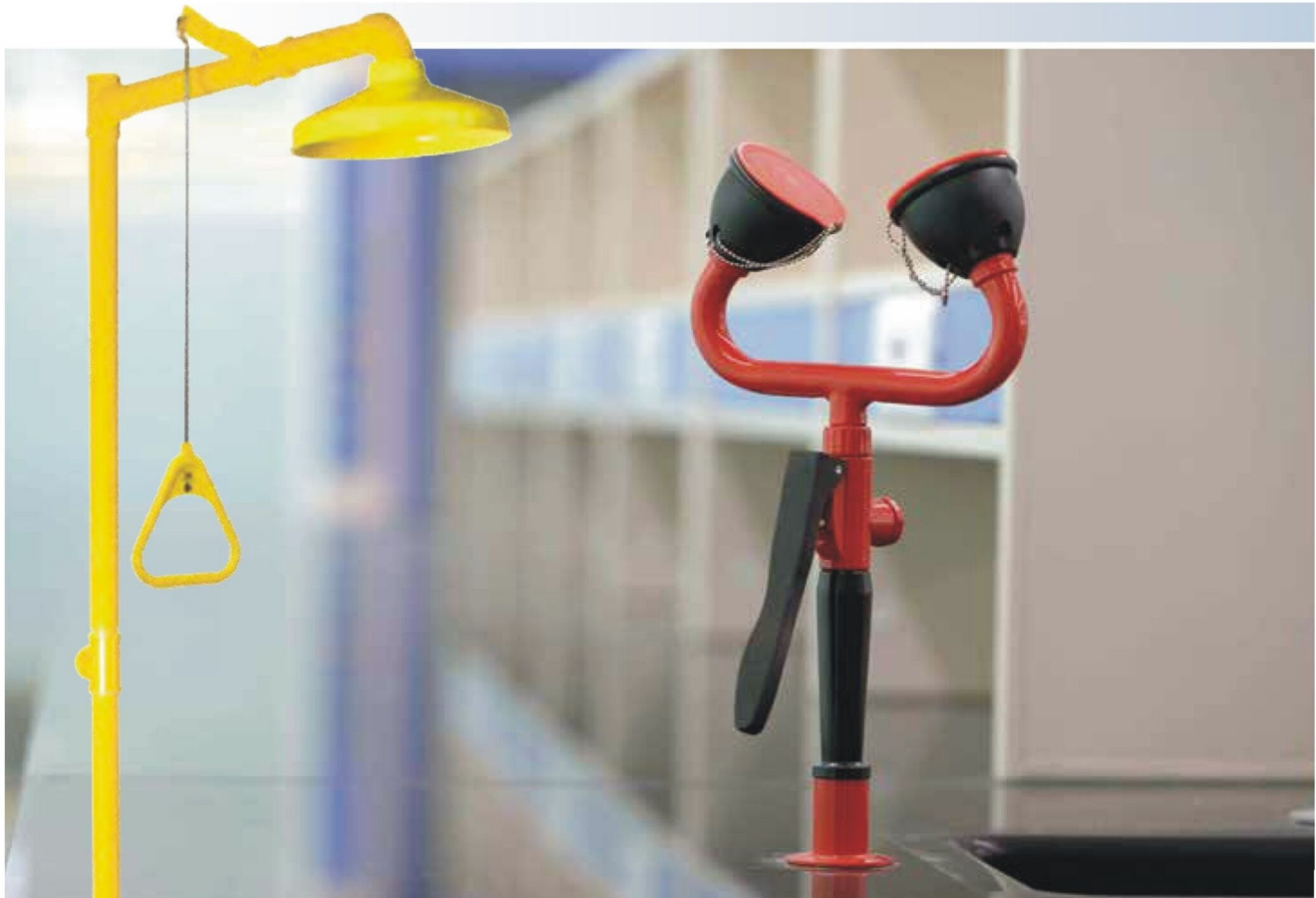


• Epoxy tops

Spectrum of choice for colour combinations of casework



*maintains batch record of
scratch & impact tests
on powder coated panels*



Emergency shower with eye wash



Ceramic sink



Stainless steel sink



Polypropylene sink



1 way needle cone valve



2 way needle cone valve



3 way water tap



Eye wash

Metalic / PVC raceway & choice of electrical sockets :



• Fire retardant Industrial socket



• 6/16 Amp sockets with MCB



• Socket for data transfer / Telephone



• Universal socket



• PVC shockproof raceway



• Flame proof fittings



• Metal clad socket



• Flame proof fittings



Laboratory Work Station

Laboratory Work Station is a support system for working in defined laboratory environment. It is an exclusive space for placing variety of instruments and equipment required in various laboratories.

**Safety is a Presence of mind.
Accidents are an Absence of mind.**

HOW TO USE LABORATORY WORK STATION:

- Always keep work station clean and dry.
- In case of spillage of chemicals, wipe off the work surface immediately, delay may damage the affected work surface.
- Turn off all heating apparatus, gas valves, and water faucets when not in use.
- Do not block the sink drains with debris.
- Place chemicals in chemical storage only, preferably with acid resistant lining connected to exhaust.
- Solvents should be stored in flame proof cabinets only.
- Ensure that drawers are not over loaded.
- Drawer and door alignment will enhance cabinet's life.
- Deep scratch on powder coated component invites rust on exposed portion, immediate touch-up will ensure long life of the component.
- Always wear appropriate eye protection, long-sleeved laboratory coat and shoes that cover the whole foot.
- Do not use laboratory work bench as a stool.
- Do not use work bench as a dining table.



Every Laboratory Work Station is unique in its own.

RS-Cube
COMPLETE LABORATORY SOLUTIONS



Stainless Steel



CRCA / GI



Wood

Storage Units



Slotted angle rack



Cupboard with view panel
(compatible to connect with exhaust duct)



Lockers



Cupboard
(compatible to connect with exhaust duct)



Vertical drawer cabinet

Stand Alone Units



Anti Vibration Table



SS Trolley



Filing cabinet



Cushioned Stool



Low back Stool



SS Stool



Chair

Rising Sun Enterprises is Renowned Manufacturer of Laboratory Peninsular Bench are a perfect Blend of Safety with sink, raised tap landings and extra high splash back designed specifically for laboratory applications. Manufactured from acid resistant grade stainless steel. Custom designs available.

A Peninsular bench unit provides sufficient bench space for a narrow laboratory giving adequate moving space.



***Rising Sun Enterprises is Renowned Manufacturer of Laboratory Island benches** are a perfect Blend of Safety, Beauty and Utility. Our creative teams has taken enough time and care to equip the Island Benches with necessary Taps, Valves, Electrical Outlets, Raceways, shelving & Reagent racks on a perfect Ratio and Design, to provide maximum functionality and style.*

***The Island Benches** are assembled on either sides of the sturdy service spine and the base cabinets are placed / mounted under the worktop. Our Island Benches, Versatile and Modular accommodates all other extendable features like a Spot Fume Extractor, Additional Power outlets, Drains, Workplace lights etc., when and wherever required.*



***Rising Sun Enterprises is Renowned Manufacturer of Laboratory Wall benches** are a perfect Blend of Safety, We offer our clients a range of alluring laboratory wall benches that are manufactured from High Quality materials for durability and a very rich user experience. Available in different Dimensions and Designs, our wall benches meet all the standard scientific specifications, thereby providing a safe and comfortable working space.*

***Our wall benches** are a perfect choice for Pharmaceutical Laboratories, Premium Research Centers, Biotech Laboratories, Educational Institutes, Chemical, Food, Petroleum and Oil industries. Sturdy construction, Stylish & contemporary designs, scratch, bump, and chemical resistance features and Perfect Pricing makes each of our Lab Products a unique example of skill, quality, and creativity.*

