

About us

Chromgate, established in 2003, was founded to address the increasing demand for reliable laboratory equipment and consumables. Guided by a strong customer-centric philosophy, the company is committed to delivering high-quality products supported by prompt and dependable service. Over the years, Chromgate has achieved substantial growth in both its operational scale and product portfolio, serving key sectors such as pharmaceutical, chemical, petroleum, food, and pesticide industries.

Vision

"To be a globally recognized and trusted benchmark in the laboratory equipment, furniture and fume hood industry, offering a wide portfolio of quality-assured products, driven by innovation, ethical practices, and a workforce committed to delivering value at every step."

Mission

"Our mission is to supply high-quality, customized laboratory equipment, furniture and fume hood with dependable, on-time delivery, supported by a skilled and motivated team dedicated to integrity, customer satisfaction, and excellence in every business practice."

Quality Policy

We strive to be the trusted and preferred supplier for a wide spectrum of laboratory instruments and consumables. Quality remains at the heart of everything we do, because we believe that quality is never expensive...it is, in fact, priceless.

Core Value

- Excellence
- Integrity
- Customer Service
- Accountability

20+ Years Proven Reliability | Committed to Excellence |
Professional Approach | Trained Manpower and More....

For the past more than 20 years, we have served as a trusted OEM supplier, delivering customized gas purification systems, exhaust fume hoods, and precision accessories specifically tailored for Thermo Scientific instruments, including GC, AAS, and ICP.

ThermoFisher
SCIENTIFIC

TRUSTED OEM SUPPLIER

Chromgate Instruments Private Limited

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GAS PURIFICATION & CONTROL PANEL WITH ACCESSORIES

Gas purification begins by identifying target contaminants in the gas stream, specifying required purity levels, defining system flow and pressure requirements, and establishing cartridge replacement intervals. Multiple purifiers connected in series are often essential to reduce contaminants sufficiently, thereby protecting columns and detectors effectively. The **Chromgate** gas purification system features an MS powder-coated body with polycarbonate color-coded labels for specific gas streams, incorporating filters such as moisture traps, hydrocarbon traps, and oxytraps, along with inlet/outlet pressure gauges, pressure regulators, and on/off toggle valves or ball valves for gases including hydrogen, nitrogen, air, helium, argon, acetylene, carbon dioxide, nitrous oxide, and more.

At **Chromgate**, we recognize that well-maintained gas handling systems and laboratory furniture are vital for the safe, efficient operation of your research facility. Beyond supplying equipment, we serve as your long-term partner with comprehensive Annual Maintenance Contracts (AMCs) that enhance performance, efficiency, and asset longevity. These AMCs provide complete peace of mind through customized maintenance plans, preventive services, priority response and repairs, genuine parts with extended warranties, proactive system optimization, detailed reporting, and user training and its all aligned with industry standards and while delivering enduring value such as reduced downtime, enhanced safety, extended equipment lifespan, total peace of mind, and more.



GAS PURIFICATION & CONTROL PANEL WITH ACCESSORIES



GAS PURIFICATION AND CONTROL PANEL



GAS CONTROL BOX



ON / OFF VALVE BOX (MINISTATION)



GAS PURIFICATION AND CONTROL PANEL



GAS SELECTION BOX

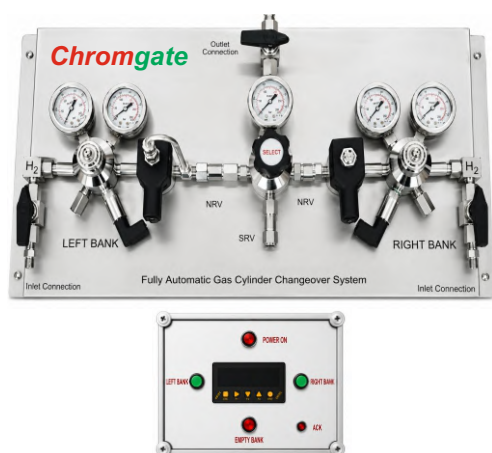
GAS PURIFICATION & CONTROL PANEL WITH ACCESSORIES



FULLY SS BODY CYLINDER REGULATOR



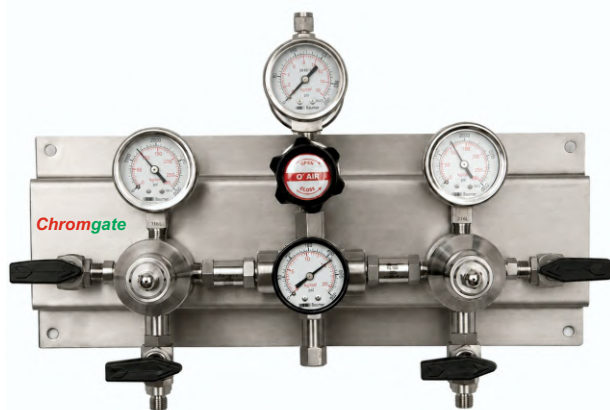
BRASS CHROMPLATED CYLINDER REGULATOR



FULLY AUTO CYLINDER CHANGEOVER PANEL



CYLINDER REGULATOR WITH HEATER



AUTO CYLINDER CHANGEOVER PANEL

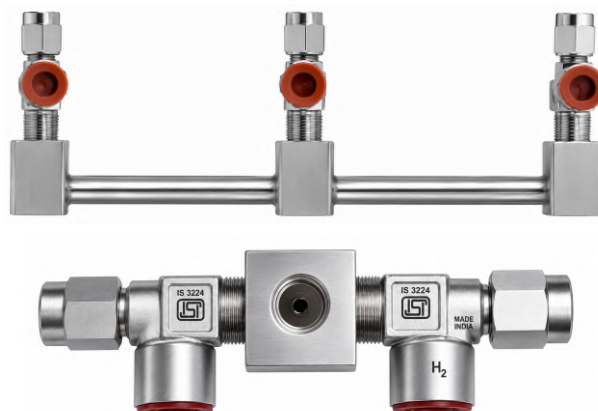


CYLINDER REGULATOR - PISTON TYPE

GAS PURIFICATION & CONTROL PANEL WITH ACCESSORIES



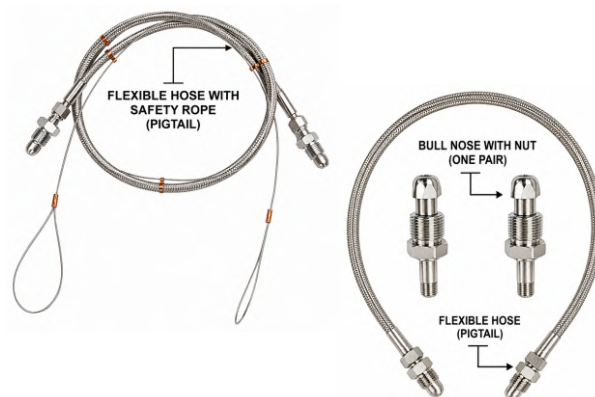
HIGH PRESSURE NRV FOR CYLINDER



2+1 CYLINDER MANIFOLD



FLASH BACK ARRESTOR WITH NRV



FLEXIBLE HOSE (PIGTAIL)



INLINE FILTER



CYLINDER HOLDING BRACKET

GAS PURIFICATION & CONTROL PANEL WITH ACCESSORIES



SS CANOPY HOOD WITH DAMPER FOR AAS



SS CANOPY HOOD WITH DAMPER FOR ICP



PVC / METAL CASING & CAPPING



BALL VALVE / ISOLATION VALVE



**SS TUBING WITH COLOR CODED SLEEVES
SIZE - 1/8", 1/4", 1/2", 3/8"**



SS / BRASS FITTING

GAS PURIFICATION & CONTROL PANEL WITH ACCESSORIES



OIL FREE AIR COMPRESSOR



3 STAGE MOISTURE FILTER



SINGLE CYLINDER TROLLEY



LINE REGULATOR



GAS CYLINDER

GAS PURIFICATION & CONTROL PANEL WITH ACCESSORIES



SITE INSTALLATION



SITE INSTALLATION



SITE INSTALLATION



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SITE INSTALLATION



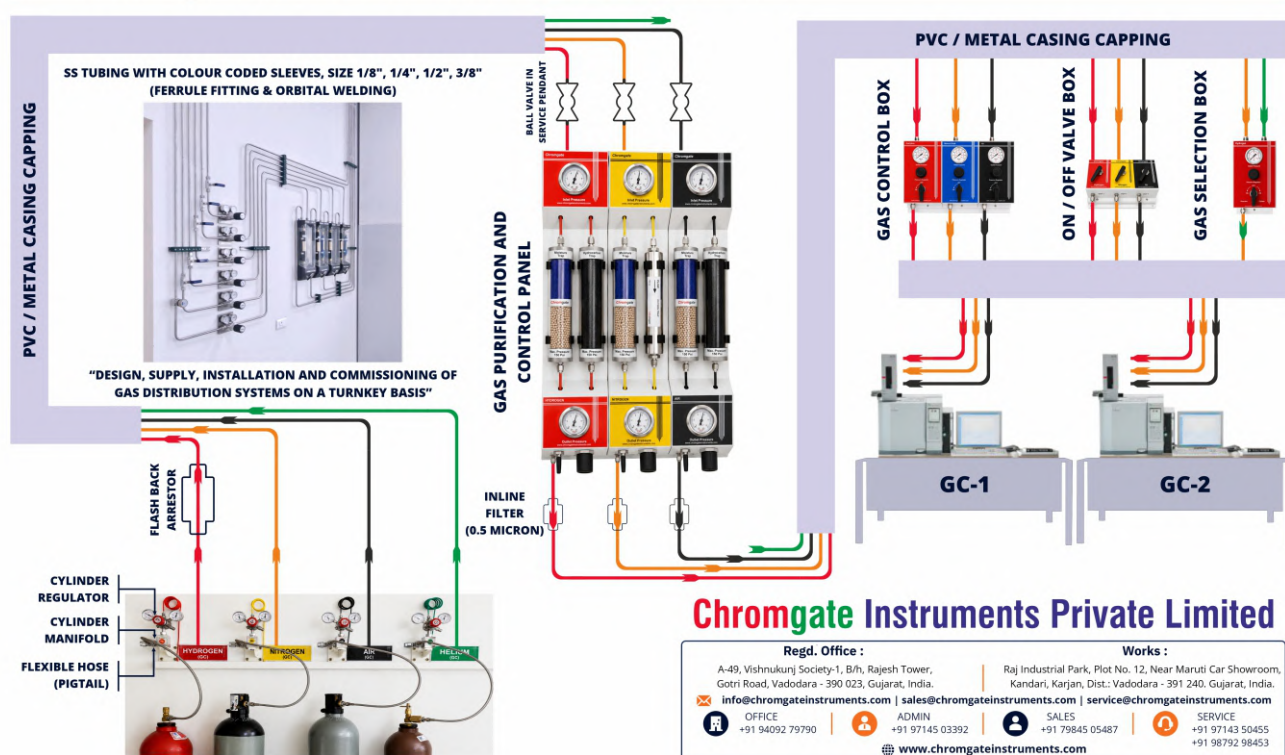
SITE INSTALLATION

GAS PURIFICATION & CONTROL PANEL WITH ACCESSORIES

Chromgate Instruments Pvt. Ltd. is a leading manufacturer and supplier of state-of-the-art gas handling and control systems. Our expertise spans the design, engineering, supply, installation, and commissioning of turnkey gas distribution and monitoring solutions. We serve diverse laboratory environments, including pharmaceutical, chemical, petroleum, food, and pesticide industries, ensuring precise, safe, and reliable gas delivery tailored to critical research, testing, and production applications.

Supply & Installation of Gas Piping & Utility Project, Gas Detection System & Low Gas Alarm Panel System, Gas Cabinet & Gas Bank Shed, AAS & ICP Ducting & Exhaust, Gas Cylinder Automation, Gas Cabinet & Cylinder Shed and many more.

Installation Layout of **GAS DISTRIBUTION SYSTEM** for GC



LAYOUT OF GAS PIPING & UTILITY PROJECTS



CHROMGATE LABORATORY FURNITURE

Chromgate's modular laboratory furniture provides versatile, durable solutions for lab environments using powder-coated steel, laminated wood, and stainless steel.

As one of India's leading manufacturers of premium-quality lab furniture, we provide versatile under-storage cabinets and worktops to meet diverse needs across QC labs, R&D labs, GC/HPLC rooms, wet labs, instrument labs, microbiology labs, hot labs, and more. We serve industries such as pharmaceuticals, chemicals, petroleum, food & beverages, pesticides, healthcare, industrial R&D, forensic science, schools & colleges, and government sectors.

There are three main types of workbenches or workstations used in laboratories: wall bench, island bench (centre table), and peninsular bench. A workbench placed against the wall is called a wall bench. A workbench located in the middle of the room, open from all sides and accessible from all four sides, is known as a centre table or island bench. A peninsular bench is approached from three sides, with one side attached to a wall or a wall bench.

These workbenches are equipped with essential utilities such as electrical points, water taps, gas valves, and reagent racks, which convert them into fully functional workstations. Chromgate's expert team designs intelligent layouts for these workstations to enhance the efficiency and performance of laboratory operations.

User-friendly products create a hassle-free work environment in the laboratory. To ensure this, our experienced team discusses and understands customer requirements in depth and prepares exclusive layout drawings. In short, we provide customized laboratory solutions from concept to execution.

We offer skirting, pedestal, castor, frame-mounted, and cantilever-suspended cabinets. These are designed to meet all your requirements in the lab area, whether you need larger storage space, more leg room, easy cleaning, or mobile storage. Whatever your need—we have a solution.

Every type of under-bench cabinet follows a modular design so that all units fit together seamlessly, allowing you to create a complete working table from any combination of your choice.

Generally, two table heights are defined for laboratory work:

- 850 mm / 900 mm table height is considered standing height.
- 800 mm / 750 mm table height is considered sitting height.



PEDESTAL MOUNTED WORK BENCH



PEDESTAL MOUNTED WORK BENCH

LABORATORY FURNITURE



WOODEN LAB FURNITURE



C-FRAME MOUNTED WORK BENCH



H-FRAME LAB WORK BENCH

LABORATORY FURNITURE



SKIRTING MOUNTED WORK BENCH

LABORATORY FURNITURE



SKIRTING MOUNTED ISLAND WORK BENCH

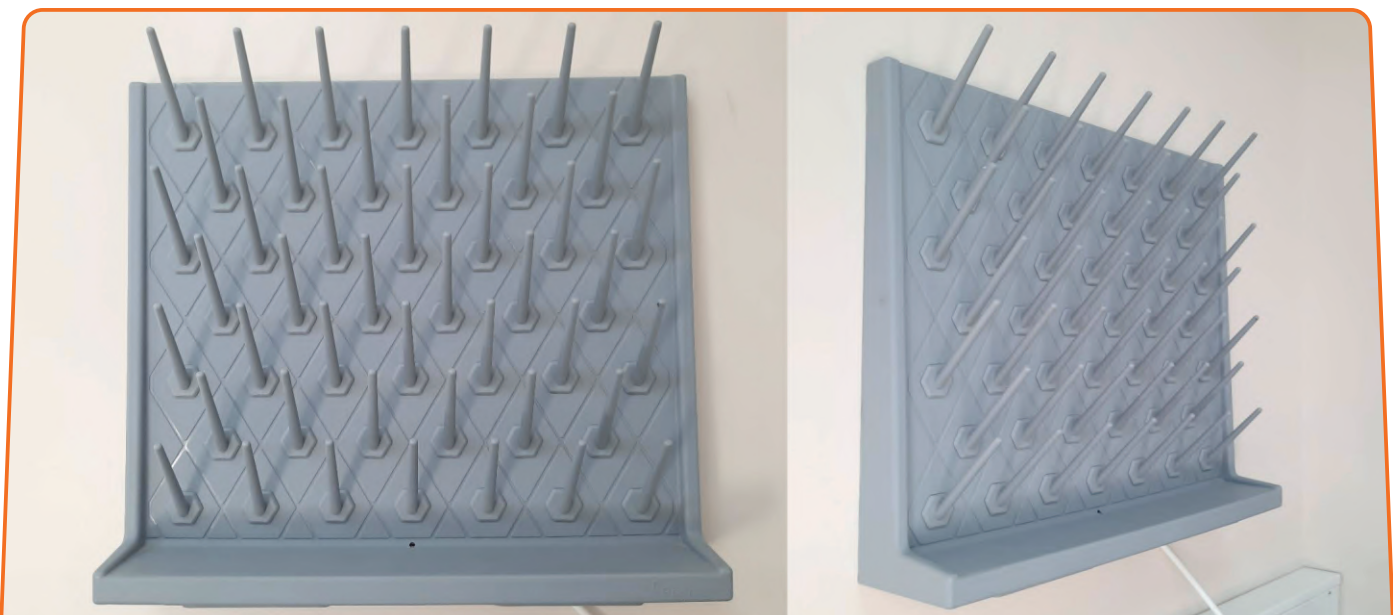


SKIRTING MOUNTED ISLAND WORK BENCH

LABORATORY FURNITURE



PP SINK, THREE WAY TAP AND BENCH MOUNTED EYE WASH



PEG BOARD

LABORATORY FURNITURE



PP SINK & THREE-WAY TAP WITH PEG BOARD

LABORATORY FURNITURE



ISLAND TABLE WTH SINK UNIT, REAGENT RACK

LABORATORY FURNITURE



WALL BENCH WITH CORNER UNIT

CHROMGATE LABORATORY FUME HOODS

The **Chromgate Laboratory Fume Hood** is a high-performance safety enclosure engineered to provide maximum protection for personnel during the handling of hazardous chemicals, fumes, vapours, and gases. Combining advanced airflow engineering with robust construction, it effectively captures and removes airborne contaminants at the source, ensuring a clean, safe, and productive laboratory environment.

Designed in accordance with the guidelines of **ASHRAE** and **OSHA**, the fume hood incorporates an aerodynamically optimized chamber that promotes uniform airflow and superior containment performance. Its intelligently designed exhaust system creates controlled negative pressure within the work chamber, continuously extracting contaminated air and preventing hazardous substances from escaping into the laboratory.

Understanding that every laboratory has unique operational, chemical compatibility, and budgetary requirements, Chromgate Laboratory Fume Hoods are available in multiple Material of Construction (MOC) options. Each model is specifically engineered to deliver optimum safety, durability, and performance for its intended application.

Available MOC Options

- **CRCA / Mild Steel (MS) / Galvanized Iron (GI)** with high-quality chemical-resistant powder-coated finish
- **Polypropylene (PP)** for highly corrosive chemical applications
- **Specialized Pre-Laminated Ply** for laboratories with high exposure of water and chemical fumes.
- **Fire-Retardant Grade** Construction for laboratories requiring enhanced fire safety

To further enhance chemical resistance and application suitability, Chromgate offers a wide selection of inner lining and worktop materials, including:

Granite | Ceramic | Stainless Steel (SS-304 / SS-316) | Phenolic Resin | Polypropylene (PP)

Key Benefits

- Designed in accordance with ASHRAE and OSHA laboratory safety guidelines.
- Efficient containment and extraction of hazardous fumes, vapours, and gases.
- Optimized aerodynamic airflow for superior containment performance.
- Controlled negative pressure for continuous removal of contaminated air.
- Robust, corrosion-resistant construction for extended service life.
- Ergonomic design for enhanced operator comfort and productivity.
- Ideal for pharmaceutical, chemical, biotechnology, research, educational, and QC laboratories.

LABORATORY FUME HOODS



BENCH MOUNTED FUME HOOD



LOW BENCH / DISTILLATION FUME HOOD



WALK-IN FUME HOOD



POLYPROPYLENE (PP) FUME HOOD

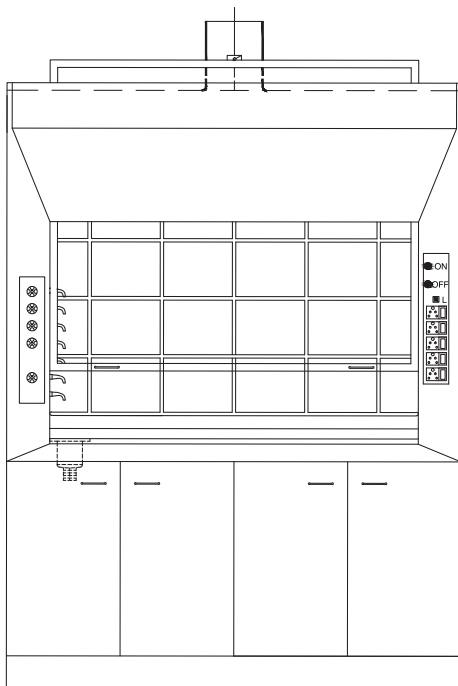
LABORATORY FUME HOODS



RESEARCH FUME HOOD



LABORATORY CANOPY HOOD



PERCHLORIC ACID FUME HOOD



ANTI-CORROSION FUME HOOD

STORAGE CABINET AND OTHER ACCESSORIES



GENERAL PURPOSE STORAGE CABINET

STORAGE CABINET AND OTHER ACCESSORIES



SLOTTED ANGLE RACK & GENERAL PURPOSE STORAGE CABINET

STORAGE CABINET AND OTHER ACCESSORIES



POLYPROPYLENE (PP) VENTILATED CHEMICAL STORAGE CABINET

STORAGE CABINET AND OTHER ACCESSORIES



STAINLESS STEEL (SS) GENERAL PURPOSE STORAGE CABINET

STORAGE CABINET AND OTHER ACCESSORIES



CUPBOARD WITH VIEW PANEL
(COMPATIBLE TO CONNECT WITH EXHAUST DUCT)



CUPBOARD
(COMPATIBLE TO CONNECT WITH EXHAUST DUCT)



LOCKER



SLOTTED ANGLE RACK

STORAGE CABINET AND OTHER ACCESSORIES



CHEMICAL STORAGE CUPBOARD
(COMPATIBLE TO CONNECT WITH EXHAUST DUCT)



SAFETY CABINET FOR FLAMMABLES



ANTI VIBRATION TABLE (AVT)



LABORATORY CHAIRS & STOOLS

CHROMGATE WET AND DRY SCRUBBER SYSTEM

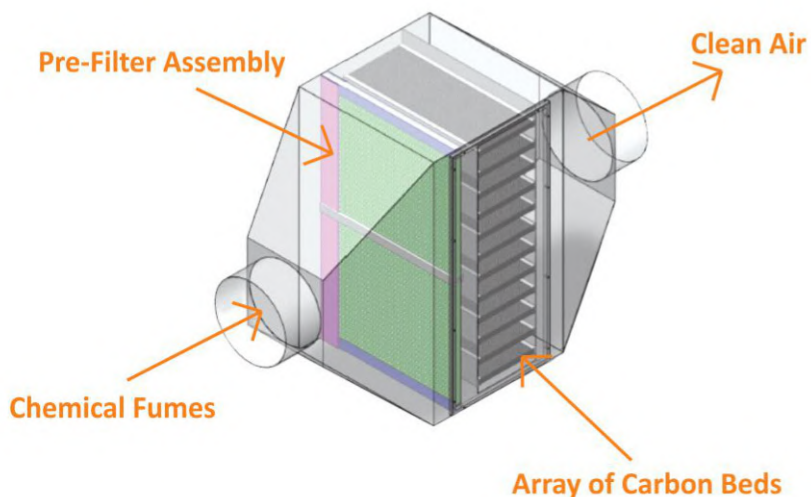
WET SCRUBBER

Traditionally, the term “scrubber” is being referred to pollution control devices which are using liquid to wash unwanted pollutants from a gas stream. actually, in the scrubber system, the exhaust gas is passed in the column from downside and scrubbing solution/ material is sprayed at top. its' use in the chemical industry, the pharmaceutical industry, the diamond industries and surface treatment.

Our scrubbers are available in corrosion resistant materials such as **PP, PP+FRP, HDPE, PP**

Common Hazardous Emissions or Odors Suitable for Wet Scrubber Equipment

- Nitric Acid.
- Hydrochloric acid.
- Sulfuric acid.
- Ammonia.
- Chlorine.
- Nitrogen oxides.
- Hydrogen bromide.



DRY SCRUBBER

A dry scrubbing system are used to get rid of pollutants and contaminants in exhaust gas without creating a wet sludge. Dry scrubbers are primarily used to abate solvent and acidic gases.

Features & Options

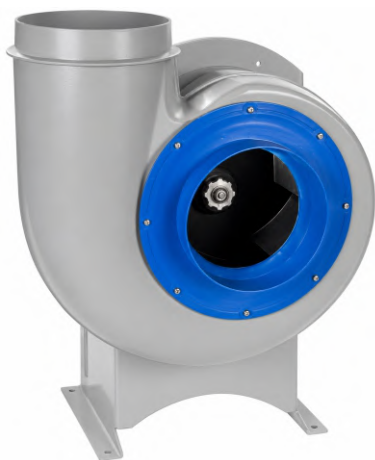
- Vertical and horizontal configuration.
- Efficiencies up to 99.9 %.
- Capacities of 500 to 30,000 CFM.
- Custom designed systems.
- Options to be retrofitted with current equipment.
- Filter media options.
- Faster commissioning time.
- In-house designed and manufactured control panels.

PP MOULDED CENTRIFUGAL BLOWER AND PP/FRP DUCTING



SITE INSTALLATION OF PP BLOWER AND PP/FRP DUCTING

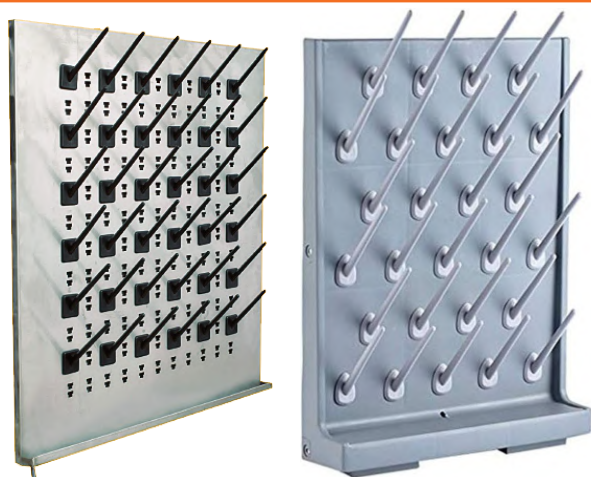
ACCESSORIES FOR LABORATORY FURNITURE



PP MOULDED CENTRIFUGAL AIR BLOWER



LABORATORY SPOT EXTRACTOR



SS / ACRYLIC / PP PEG BOARD WITH PEGS



**Single Way 45° Eye Wash
with 1.5 Meter Long Hose**

**Two Way Eye Wash with
1.5 Meter Long Hose**



SINGLE WAY EYE WASH / TWO WAY EYE WASH

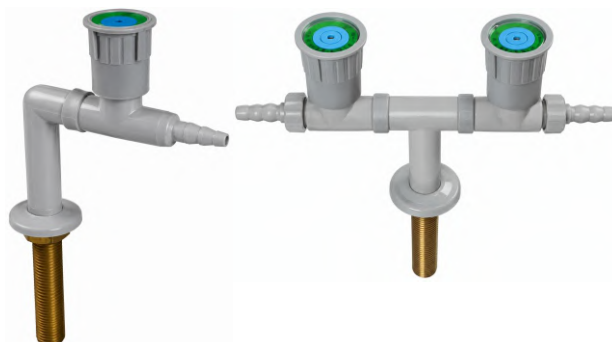


SAFETY SHOWER WITH EYE WASH

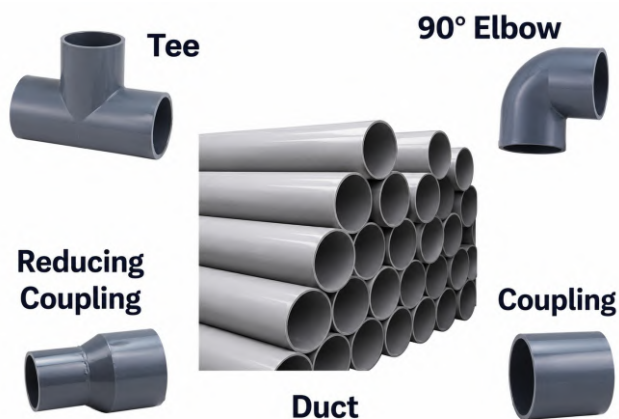
ACCESSORIES FOR LABORATORY FURNITURE



RECTANGLE / OVAL PP SINK



SINGLE CONE / TWO WAY TAP



PVC DUCT & JOINTS



VALVES AND TAPS FOR FUME HOOD



PP / FRP DUCT & JOINTS



WATER TAP FOR LABORATORY

LABORATORY EXHAUST SYSTEM FOR AAS/ICP/ICP-MS/HR-ICPMS



SS FABRICATED CENTRIFUGAL BLOWER

PP MOULDED CENTRIFUGAL BLOWER

OUR PRODUCT RANGE

1. Gas Handling, Purification & Control Systems
2. Gas Control Box / Gas Ministration for Multiple Instruments
3. Gas Selection Box (Changeover) for GC
4. SS-316 Stainless Steel Tubing with Color-Coded Sleeves
5. PVC / Metal Casing & Capping for Gas Tube Protection
6. In-Line Micro Particulate Filter – 0.5 Micron
7. Flashback Arrestor with NRV for Flammable Gas Line
8. Cylinder Regulators - Fully SS / Brass Chromplated with SS Diaphragm / High Pressure Piston Type
9. Manifold for Single / Multiple Cylinders with Wall Mounted Support
10. SS Braided Flexible Hose (Pigtail) for High Pressure
11. High-Pressure NRV (Non-Return Valve) for Gas Cylinder
12. High Pressure Automatic Mechanical Gas Changeover System
13. Low Pressure Gas Alarm System
14. Gas Leakage Detectors
15. Utility Cylinders and Calibration Gas Mixture Cylinders
16. Cylinder Holding Bracket / Fabricated Cylinder Cage Structure
17. Cylinder Trolley
18. Moisture Trap / Hydrocarbon Trap / Oxytrap Filters.
19. Name Plate as per NABL Certification
20. Cylinder Key / Non-Sparking Key / Tools for Flammable Gases
21. PP Clamps with Unistrut Support Channels for SS Tube
22. Sampling Bomb / Toddle Bag for Sample Collection
23. Exhaust Fume Hood for AAS / ICP / ICP-MS / HR-ICPMS
24. Bomb Calorimeter Accessories
25. Hallow Cathode Lamp for AAS
26. Certified Calibration Standard for AAS / ICP (Single / Multiple Elements)
27. Essential Accessories Kit for GC
28. Air Compressor for AAS
29. Laboratory Gas Generator (H₂ / N₂ / Z_A) / Air Drying Unit for TOC
30. Laboratory Furniture (MS / GI / FR Grade / Wooden)
31. Anti Vibration Table (AVT)
32. Laboratory General Storage Cabinets / Apron Cabinets
33. Laboratory Chemical Storage Cabinets (PP / MS / GI / FR Grade / Wooden)
34. Laboratory Spot Extractor
35. Laboratory Canopy Hoods (SS / PP)
36. Laboratory Fume Hoods (PP / MS / GI / FR Grade / Wooden)
37. Wet / Dry Scrubber System
38. PP Moulded Centrifugal Blower and PP / FRP Ducting

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