

BE A PART OF SOLUTION NOT POLLUTION



Venturi Scrubber for Autocoater



Ammonia Gas Scrubber



Dry Scrubber



PP FRP Duct with Blower Assembly



PP Chemical Storage Cabinet



PP Fume Hood



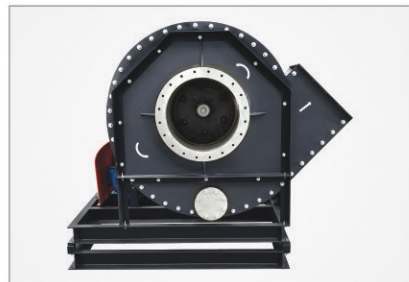
PP Canopy Hood



PP-H Storage Tank



PP FRP Blower-Belt Driven



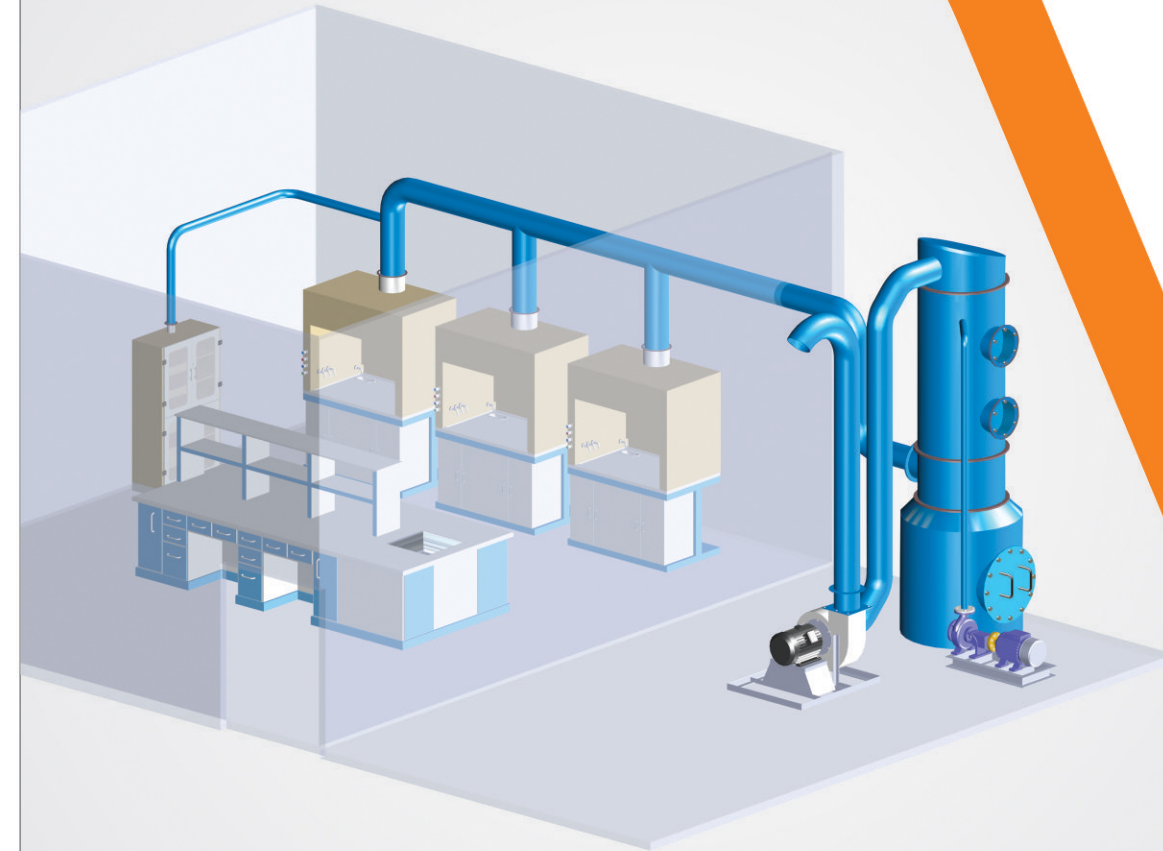
PP FRP Blower- Direct Driven



PP Blower



PP FRP Storage Tank



Complete Project Solutions
From Design to Commissioning

Shiv Plast Industries is A Proud Member of Shiv Group of Companies

Manufacturer and Supplier of

PP Fume hood, Storage cabinet, PP & PP FRP Duct, Plastics and FRP Storage Tank
& Process Tank, Scrubbing System with Blower and Customize Products from PP, PE and FRP

www.shivplast.com / www.shivplast.in

Corporate Office

418, 4th Floor, ABC Complex,
Nr. Galaxy Business Park,
S. P. Ring Road, Nikol,
Ahmedabad - 382350. (Gujarat)

Manufacturing Unit

Plot No:-3,4,26,27 Nandanvan
industrial Estate-1, Bakrol-Bujrang,
Ahmedabad-382350 (Gujarat)

+91 81407 45267 | +91 96874 03220

info.shivplast@gmail.com, info@shivplast.com

www.shivplast.com, www.shivplast.in



Complete Project Solutions From Design to Commissioning

Established in 2021, Shiv Plast Industries. is supported by a professional team with more than 12 years of experience in thermoplastic fabrication, industrial exhaust systems, chemical storage solutions, and laboratory equipment.

We are a leading manufacturer and supplier of PP Fume Hoods, PP Storage Cabinets, Wet Scrubbers, Industrial Blowers, Ducting Systems, Storage Tanks, Process Tanks, and Pickling Tanks manufactured from PP, PP+FRP, HDPE, FRP, PVDF, and other industrial-grade thermoplastics. With extensive project experience and a skilled in-house design team, we offer complete end-to-end project solutions—from understanding customer requirements, engineering and system design to manufacturing, supply, installation, testing, and commissioning.

We have strong production capabilities, modern fabrication infrastructure, and an experienced quality-control team. Our advanced butt-joint welding facility enables accurate and high-quality fabrication of thermoplastic equipment. Our welding procedures follow applicable DVS standards to ensure uniform joint strength, dimensional accuracy, leak-proof construction, durability, and reliable long-term performance.

Our Key Strengths

- More than 12 years of team experience.
- Complete design-to-installation solutions.
- Experienced engineering and project execution team.
- Strong in-house production capabilities.
- Advanced butt-joint welding facility.
- Welding procedures as per applicable DVS standards.
- Strict quality control at every manufacturing stage.
- Customised designs based on process requirements.
- Professional installation and commissioning support.
- Reliable after-sales service.
- Commitment to quality, safety, performance, and timely delivery.

BUTT FUSION TECHNOLOGY



*Complete Exhaust Solutions Under
One Roof - From Design to Installation.*



PP FUME HOOD

Chemical-resistant PP Fume Hood designed to safely capture and exhaust harmful fumes, vapours, and gases generated during laboratory processes.

Technical Details

- **MOC** : Chemical-resistant PP/PPH.
- **Construction** : Seamless welded construction.
- **Worktop** : PP or granite.
- **Front Sash** : Vertically sliding toughened glass.
- **Base Cabinet** : PP chemical-storage cabinet.
- **Colour** : Natural grey/white.

Standard Sizes

- 1200 × 915 × 2300 mm
- 1500 × 915 × 2300 mm
- 1800 × 915 × 2300 mm

Customised sizes are available as per requirements.

Accessories

- PP sink and water tap.
- Gas and utility valves.
- Electrical sockets and switches.
- LED light.

PP STORAGE CABINET

Chemical-resistant PP Storage Cabinet designed for the safe and organised storage of laboratory chemicals, acids, alkalis, and corrosive materials.

Technical Details

- **MOC** : Chemical-resistant PP/PPH.
- **Construction** : Seamless welded construction.
- **Doors** : Double-door arrangement.
- **Shelves** : Adjustable PP shelves.
- **Ventilation** : Provision for exhaust connection.
- **Colour** : Natural grey/white.

Standard Sizes

- 900 × 450 × 1800 mm
- 1000 × 450 × 1800 mm

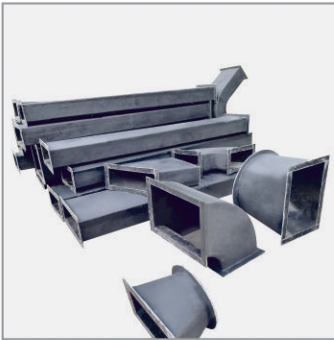
Customised sizes are available as per requirements.



PP+FRP DUCTING



PP+FRP Ducting is designed for the safe extraction and transportation of corrosive fumes, chemical vapours, gases, and contaminated air in industrial and laboratory applications.



Technical Details

- **MOC** : PP inner liner with FRP outer reinforcement.
 - **Shape** : Round, rectangular, or customised.
 - **Construction** : Seamless welded PP with FRP coating.
 - **Fittings** : Bends, reducers, tees, dampers, and flanges.
 - **Joining** : Flanged or site-welded joints.
 - **Support** : MS, FRP, or SS support structure.
- Customised sizes and thicknesses are available.

Advantages

- Excellent chemical and corrosion resistance.
- High mechanical strength.
- Lightweight and easy to install.
- Leak-resistant construction.
- Suitable for indoor and outdoor applications.
- Low maintenance and long service life.
- Customised as per airflow and site requirements.

WET SCRUBBER SYSTEM



Wet Scrubber System is designed to remove corrosive acid fumes, harmful gases, chemical vapours, odours, and fine mist from industrial exhaust air before discharge into the atmosphere.



Design Details

- **Configuration** : Single-stage or multi-stage.
 - **Airflow Capacity** : Designed in CFM/CMH.
 - **Scrubbing Media** : Water, NaOH, acid, or suitable chemical solution.
 - **Internal Components** : Packing media, spray nozzles, liquid distributor, and mist eliminator.
- System Components** : Scrubber tower, recirculation tank, pump, blower, ducting, and control panel.

Material of Construction

- PP/PPH, PP+FRP, FRP, PVC/CPVC, PVDF.

Suitable Applications

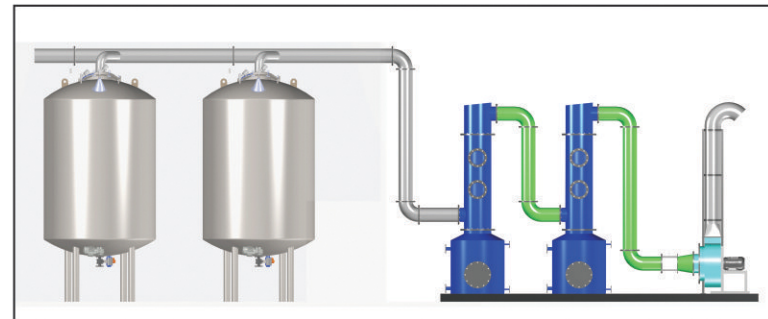
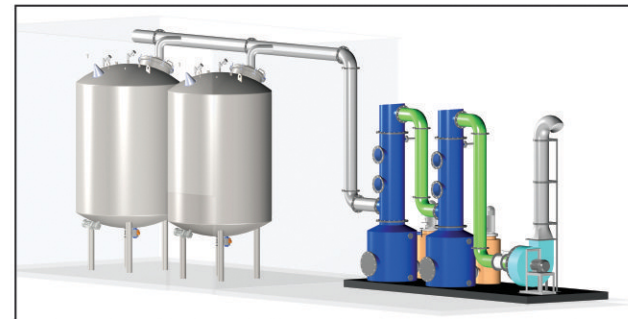
- Hydrochloric acid (HCl) fumes.
- Hydrofluoric acid (HF) fumes.
- Sulphuric acid (H₂SO₄) mist.
- Nitric acid (HNO₃) fumes.
- Sulphur dioxide (SO₂).
- Ammonia (NH₃).
- Other water-soluble and chemically reactive gases.
- Chlorine (Cl₂).

TWO-STAGE AMMONIA SCRUBBER

Two-Stage Wet Scrubber designed for efficient removal of ammonia (NH₃) gas from reactor vents, storage tanks, process equipment, and industrial exhaust systems.

Scrubbing Process

- **Stage 1** : Water scrubbing for initial absorption and reduction of ammonia load.
- **Stage 2** : Acidic scrubbing solution for neutralisation of remaining ammonia gas.
- **Final Treatment** : Mist eliminator removes liquid droplets before clean air discharge.



DRY SCRUBBER

Dry Scrubber System is designed to remove low-concentration chemical gases, vapours, VOCs, and odours from contaminated exhaust air using adsorption media without water circulation.



Technical Details

- **Type** : Dry adsorption scrubber.
- **Operation** : Contaminated air passes through selected adsorption media.
- **Media** : Pre Filter, Fine Filter and Carbon Filter.

Material of Construction

- PP/PPH, PP+FRP, FRP.

Suitable Applications

- VOCs and solvent vapours.
- Chemical odours.
- Low-concentration acid or alkaline gases.
- Laboratory and industrial exhaust systems.

PP-PP+FRP CENTRIFUGAL BLOWER

PP+FRP Centrifugal Blower is designed to extract and transport corrosive fumes, chemical vapours, gases, odours, and contaminated air through ducting and scrubber systems.

Function

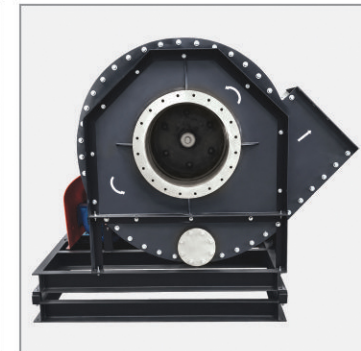
The rotating impeller creates negative pressure to draw contaminated air from the process area and discharge it safely through the scrubber or exhaust stack exhaust.

Technical Details

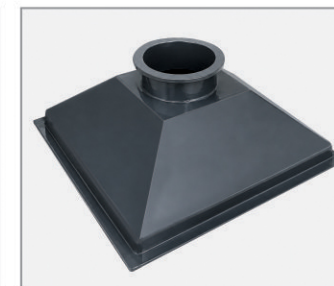
- **Type** : Centrifugal blower.
- **Impeller** : Backward-curved or forward-curved.
- **Drive** : Direct-drive or belt-drive.
- **Capacity** : Customised in CFM/CMH.
- **Static Pressure** : Designed according to system resistance.
- **Balancing** : Dynamically balanced impeller.
- **Connection** : Flanged inlet and outlet.
- **Accessories** : Vibration isolators, flexible connection, damper, safety guard, and VFD.

Material of Construction

- **Casing** : PP with FRP reinforcement.
- **Shaft** : SS / EN 8.
- **Impeller** : PP/FRVE.
- **Base Frame** : Epoxy-painted MS or FRP-coated MS.



PP CANOPY



PP MODULE



PP LAB FURNITURE

