

WORKS:  
PLOT NO.28-A,AKS UDYOG VIHAR,  
KABOOLPUR, JASANA,  
FARI DABAD-121001  
(HARYANA) INDIA



**AASTHA ENVIRO SYSTEMS PVT. LTD.**  
*We Help Keep Environment Clean*  
37-A, Ground Floor, Pratap Nagar,  
Opp. Jeevan Anmol Hospital,  
Mayapuri Vihar Phase-1, New Delhi - 110051  
E-mail : info@aasthaenviro.com / sales@aasthaenviro.com  
Website : www.aasthaenviro.com / www.aasthaenviro.in  
CIN : U29192DL2005PTC138350

## PRODUCTS AND SYSTEMS

Dear Sir,

We are Young and Dynamic Professionals Engaged in Design , Engineering , Consultancy, Manufacturing , Contracting , Supply , Installation and Commissioning of of HVAC , Air Pollution Control Equipments and FRP Products as Under:

### HVAC EQUIPMENTS

- 1.Heating System
- 2.Ventilation System
- 3.Air Conditioning System
- 4.Humidifier/ Humidification System
- 5.Fresh Air System
6. Exhaust Air System
7. Air Washer / Air Cooling System.
8. Air Handling Units
9. Cellulose Cooling Pads.



10. Grills,Diffusers,  
VCD,Fire Dampers  
& Louvers



11. Ducting ( PP& FRP,PVC,HDPE,MS,G.I & SS)
12. Centrifugal Blowers ( ID & FD )
13. Tube Axial Flow Fans



### AIR POLLUTION CONTROL EQUIPMENTS

- 14.Dust Collector / Dust Extraction System
- 15.Dust Proofing System
- 16.Fume Extraction System
- 17.Wet Scrubber ( PP,FRP,MS,SS )
18. Cyclone



### FRP PRODUCTS

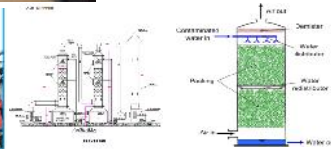
19. FRP Tanks (PP,MS,SS,HDPE)
- 20.Air Stripper
- 21.FRP And Rubber Lining / Coating

We Take Annual Maintenance Contract also for the above items  
Waiting For Your Valued Inquiry.  
For, Aastha Enviro Systems Pvt. Ltd.



Ram Krishna(Mb:9811172647, 9810920732)  
Director

*(Signature)*



Air Stripper

#### Our Products and Systems

- HVAC • Heating System • Ventilation System • Air Conditioning System • Humidification System • Dust Proofing System
- Fresh Air System • Exhaust Air System • Air Washer / Air Cooling system • Cellulose Cooling Pads • Air Handling Units
- Humidifier • Air Grills, Diffusers, Louvers • Volume Control Damper • Fire Damper • Ducting • Centrifugal Blowers
- Axial Flow Fans • Wet Scrubber • Dust Collector • Cyclone, Multicyclone • FRP Tanks (PP, MS, SS & HDPE)

(for any grievances / complain write to : admin@aasthaenviro.com)





# AASTHA ENVIRO

## Systems Private Limited

AN ISO 9001 : 2015 CERTIFIED COMPANY

Mfg. & Projects of : HVAC, Air Pollution Control Equipments, FRP Tanks, FRP Lining & FRP Coating



### Our Products & Systems

#### HVAC Equipments

- Heating System
- Ventilation System
- Air Conditioning System
- Humidifier / Humidification System
- Fresh Air System
- Exhaust Air System
- Air Washer / Air Cooling system
- Air Handling Units
- Cellulose Cooling Pads
- Grills, Diffusers, Volume Control Dampers, Fire Damper & Louvers
- Ducting (PP& FRP, PVC, HDPE, MS, G.I & SS)
- Centrifugal Blowers
- Tube Axial Flow Fans

#### Air Pollution Control Equipments

- Dust Collector / Dust Extraction Systems
- Dust Proofing System
- Fume Extraction Systems
- Wet Scrubber (PP & FRP, SS, MS)
- Cyclone

#### FRP Products

- FRP Tanks
- PP & FRP Ducting & Fitting
- Air Stripper
- FRP and Rubber Lining & Coating

We Help Keep Environment Clean



[www.aasthaenviro.com](http://www.aasthaenviro.com)



# About us



We are young and dynamic professionals engaged in Design, Engineering Consultancy, manufacturing, Contracting supply, installation, testing and commissioning of **HVAC - Heating, Ventilation and Air Conditioning Systems** Such as **Air Washer / Air Cooling system, Air Handling Units, Grills, Diffusers Dampers, Centrifugal Blowers, Tube Axial Flow Fan, Ducting (PP& FRP, PVC, HDPE, MS, G.I & SS) & Air Pollution Control Equipments** Such As **Dust Collector / Dust Extraction Systems, Dust Proofing System, Fume Extraction Systems, Wet Scrubber (PP & FRP, SS, MS) , Cyclone, FRP Tanks, FRP lining & Coating.**

We take annual Maintenance contract for the above items. Our Expert provides better Technical and Economical Solutions for HVAC Equipment. The Equipment Designed and Manufactured by us is environment friendly, cost effective and energy efficient. Saving in energy consumption along with reduced maintenance and space requirements.

## HVAC Equipments

### ☞ Heating System

We Design & Manufacture Central Heating System Complete With Centrifugal Blower, Heating Source (i.e Electrical / Gas / Hot Water / Steam / Thermic Fluid) Through Ducting & Grill Network. We maintain the required room at 40-50o temperature throughout the year and generally used in packaging printing industries.



### ☞ Ventilation System

We Design & Manufacture. We provide three types of ventilation system as under for workshop, Green House , Poultry shed and production Area etc.

1. Supply Ventilation
2. Exhaust Ventilation
3. Supply and Exhaust Ventilation

Each type of ventilation system comprises of Pre filter and centrifugal blower/ tube axial flow fans with ducting & grill network.

### ☞ Air Washer / Air Cooling Systems

We Design & Manufacture Air Washer / Air Cooling Systems  
Evaporative cooling is a method of converting hot air into a cool breeze using the process of evaporating water. Evaporative Cooling Machines utilize the natural process of water evaporation along with an air-moving system to create effective cooling. Outside Ambient air is pulled through filters and it passes through the Cellulose Pads then it cools the air through water evaporation. A blower impeller circulates the cooled air throughout a department, Industrial Shed, Hall etc. by a suitable Ducting and grill network. It is an adiabatic process and works on the principal of heat conversion (sensible to latent.) Heat from the Incoming air passing through a wet media is used to evaporate the water lowering the "dry bulb" temperature.





Construction	Double Skin
Capacity	2000 Cfm to 80000 Cfm With Double Blower
Static Pressure	30 mmwg to 100 mmwg
Blower	DIDW Forward Curved / Backward Curved / AMCA Certified
Motor	Crompton / ABB / Siemens / Bhart Bijlee
Cooling Media	Cellulose Pads



## ☞ Humidifier

A humidifier is a device, primarily an electrical appliance, that increases humidity (moisture) in a single room or an entire building. In the home, point-of-use humidifiers are commonly used to humidify a single room, while whole-house or furnace humidifiers, which connect to a home's HVAC system, provide humidity to the entire house. Medical ventilators often include humidifiers for increased patient comfort. Large humidifiers are used in commercial, institutional, or industrial contexts, often as part of a larger HVAC system. Humidifier adds moisture to the air to prevent dryness that can cause irritation in many parts of the body.



## ☞ Air Handling Units( AHU)

Construction	Double Skin
Capacity	2000 CFM to 80000 CFM
Pressure	30 mmwg to 80 mmwg.
Blower	DIDW Forward Curved / Backward Curved / AMCA Certified
Motor	Crompton / ABB / Siemens / Bhart Bijlee
Cooling Media	Chilled Water / Refrigerant Gas

## ☞ Kitchen scrubber (WET & DRY)

- We Design & manufacture Two Types of kitchen scrubber wet and dry.
- In wet kitchen scrubber the polluted air from kitchen brought into contact with scrubbing liquid in water spray chamber where the polluted air gets neutralized and relatively clean air Shall be let into the atmosphere.
- In dry kitchen scrubber the polluted air from kitchen brought into contact with ESP-Electrostatic Precipitator where the polluted air gets neutralized strict in the electrode and relatively clean air shall be let into the atmosphere



## ☞ Air Conditioning Systems

We take turnkey projects of Air Conditioning systems of following Types with high side and low side , high side are being out sourced as per the tender requirement and low side is supplied by us

### We Deal In:

Window, high wall split, cassette split, tower split ductable split, ductable packaged, centralized ac plant , air handling unit, VRV Air conditioning Etc.

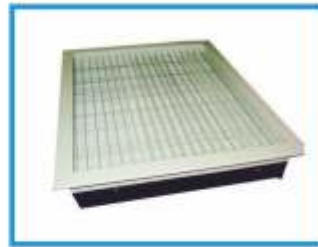


# Grills, Diffusers & Dampers



## FIXED BAR LINEAR, RECTANGLE & SQUARE GRILLS

These are made out of extruded aluminium section available in any size as per site requirement



## ADJUSTABLE DOUBLE LOUVER GRILL

These are made out of extruded aluminium section available in any size as per site requirement. Direction of air can be changed by moving louvers, it is used for supply air purpose



## CEILING DIFFUSER

These are made out of extruded aluminium section available sizes are 9"x9", 12"x12", 15"x15", 18"x18" (Neck Size), 595x595 outer to outer Ceiling Diffuser are available aluminium sheet metal also. Round Diffuser are available in 150, 200, 250, 300, 365, 400 & 450mm



## JET DIFFUSER

These are made out of extruded aluminium section available sizes are 250, 315 & 380mm. Eye Ball Type Diffuser is Available 200, 275, 315 & 400mm dia.



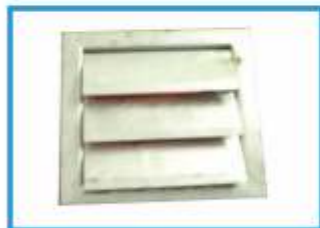
## SLOT DIFFUSER

These are made out of extruded aluminium section available in 150 & 200mm Height.



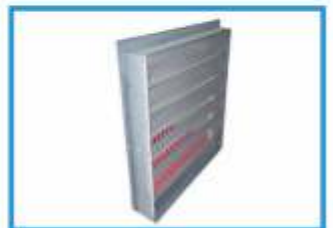
## VOLUME CONTROL DAMPER / FIRE DAMPER

These are made out of GI / Aluminium section Fire dampers are available with fusible link type & electrical actuator type. Sizes available as per site requirement.



## GRAVITY / BACK DRAFT DAMPER

These are made out of GI / Aluminium available sizes as per site requirement



## FRESH AIR INTAKE LOUVER

These are made out of Extruded aluminium section with mesh, available sizes as per site requirement



## Centrifugal Blower

Centrifugal Blower is the equipment which sucks the air axially and throw tangentially in desired direction. Centrifugal Blowers are available in mild steel, stainless steel, FRP/Aluminum with desired Painting/coating as per process requirement, with statically and dynamically balanced impeller to achieve low noise and vibration. Centrifugal Blowers are available in Various Type of Drive arrangement and discharge orientation Arrangement 'A' - Direct drive (Impeller mounted on Motor shaft Available for limited size and air quantity. Arrangement 'B' - Belt drive (Impeller mounted on shaft and supported by two bearings on one side mounted on the pedestal, Available for every size and air quantity. Arrangement 'C' - Coupling drive (Impeller mounted on Motor shaft, available for limited size and air quantity) Arrangement 'D' - Belt Drive (Impeller mounted on shaft and supported by two bearings on each side without pedestal, Available for DIDW fans of every size and air quantity. Centrifugal fans can be supplied in 16 types of Discharge orientation Motor Installation is available in four directions W, X, Y and Z

We Manufacture SISIW Centrifugal Blowers of high static pressure used in Dust Collector made out of MS/SS.

We Manufacture SISIW Centrifugal Blowers of high static pressure used in Wet Scrubber made out of Fibreglass.



## Tube Axial Flow Fan

Axial Flow fans are the equipments which draws air axially and throw axially in same direction. These fans have number of aluminum die cast fixed /adjustable aerofoil blade capable to handle large volume of air.

Available Drive arrangements are : Direct drive and belt drive. Available mounting arrangements are : Wall Mounted (Short casing) and Duct Mounted (long Casing)

Same impellers are used in Roof Exhausters, Bifurcated fans, tunnel ventilation fans (Two stage axial flow fans), man coolers etc These fans are generally used for exhausting stale air or fumes from processes (such as spray painting booths), supplying ambient air, and general spot ventilation of people, Dry D.G. room ventilation or machinery cooling. Available Range of Axial Flow Fans ( Standard, Bifurcated, Roof Exhauster & Man Coolers):

Start from 300 mm diameter to 16000 mm Air Qty. from 1000 m<sup>3</sup>/hr to 90,000 m<sup>3</sup>/hr Static pressure 3 mmwg to 40 mmwg

In case of Acidic fume exhaust we used FRP / PAG Impellers.



# Air Pollution Control Equipments

## Dust Collector / Dust Extraction Systems

Filtration is one of the most reliable & efficient method by which particulate matter can be removed from air/gas. Bag filters are used for separation of material dust from flue gas/air whereby dust particles get deposited on bags surface and cleaned periodically by blowing compressed air through venturies mounted on top of sleeves. Material thus separated is taken to dust hopper where same is taken out by rotary air lock or screw conveyors depending upon design of bag filter. Minimal amount of dust is vented into the atmosphere through stack.

Cyclone is used for primary filtration where heavy dust is generated during process such as scrap melting in furnace. Cyclone has limitation to separate heavy dust due to centrifugal force and light dust enters into secondary filtration systems like bag house or wet scrubber and finally clean air is let into the atmosphere.



## Wet Scrubber (Fume Extraction System)

The Scrubber is the most important device to control of gaseous/smoke pollutants from stack (i.e unburn carbon, Sulphur, Nitrogen, Halogen components & etc.) The principal mechanism is impacting of dust / fumes particles on the water (liquid) droplets created by the nozzles. It is also suitable to collect hot, heavy & fine dust which is not soluble in water.

Wet Scrubber are made out of PP & FRP, MS & SS for acidic fumes it is made out of PP & FRP while for other fumes it is made out of MS/SS.



## Dust Proofing System

Shall comprising of Centrifugal blower, pre filter-10 micron, micro V-filters 5 micron with cooling or without cooling as per requirement processing shed are kept in positive pressure to avoid infiltration of outside air





# FRP Products

## FRP / GRP / Storage Tanks

We design and manufacture PP & FRP - Fibreglass Reinforced Plastic Storage Tanks for water and acids like HCL, H<sub>2</sub>SO<sub>4</sub> Etc. Available capacity FRP Tanks are 200 ltr. - 50,000 ltr., 450 & 750 GSM Fibreglass of Reputed Make are being used for manufacturing of tanks.

GP Resin, isophthalic Resin, Bisphenol Resin & Vinyl Ester Resin are used as per application. 3-5mm thick PPGL is used for manufacturing of Tanks.

### Salients Features:

- z Highly Reliable
- z Low Maintenance
- z More Durable
- z Longer Functional Life



## PP & FRP Ducting & Fitting

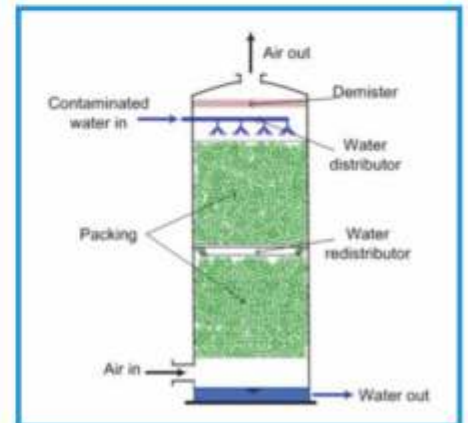
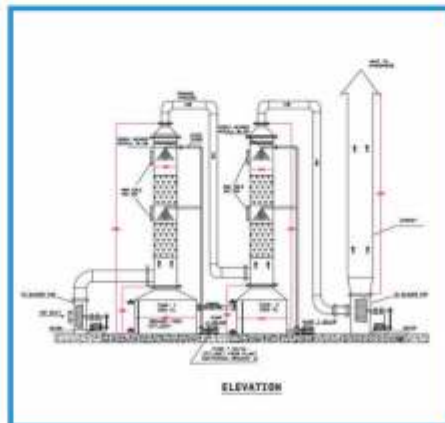
We design and manufacture various sizes of PP & FRP - Fibreglass Reinforced Plastic ducting & fitting as per requirement of customers. Available Sizes of Ducting and fitting are 50mm to 2000mm Diameter. We manufacture round, rectangle & Square ducting & fittings isophthalic Resin, Bisphenol Resin & Vinyl Ester Resin are used as per application. 3-5mm thick PPGL is used for manufacturing of PP & FRP Ducting & Fittings.



## Air Stripper

Air stripping is the transferring of volatile components of a liquid into an air stream. It is an environmental engineering technology used for the purification of groundwaters and wastewaters containing volatile compounds.

Volatile compounds have relatively high vapor pressure and low aqueous solubility characterized by the compound's Henry's law coefficient, which is the ratio of the concentration in air that is in equilibrium with its concentration in water. Pollutants with relatively high Henry's Law coefficients can be economically stripped from water. These include BTEX compounds (benzene, toluene, ethylbenzene, and xylene found in gasoline), and solvents including trichloroethylene and tetrachloroethylene. Ammonia can also be stripped from wastewaters and liquid digestates (often requiring pH adjustment prior to stripping). Since Henry's law coefficient increases with temperature, stripping is easier at warmer temperatures.





# Our Valuable Customers

## Government Customers:



Many More.....

## Private Customers:



Many More.....

### Regd. Off. :

37-A, Ground Floor, Pratap Nagar, Opp. Jeevan Anmol Hospital,  
Mayur Vihar Phase-I Delhi-110091  
Phone : 011-22791211  
Mob. : +91-9811172647, 9810920732

### Works :

28-A, AKS Udyog Vihar, Village Kaboolpur,  
Jasana, Faridabad-121101 (haryana)

E-mail : [info@aasthaenviro.com](mailto:info@aasthaenviro.com), [sales@aasthaenviro.com](mailto:sales@aasthaenviro.com), [aasthaenviro@gmail.com](mailto:aasthaenviro@gmail.com), Web. : [www.aasthaenviro.com](http://www.aasthaenviro.com)

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[www.linkedin.com/in/aastha-enviro](https://www.linkedin.com/in/aastha-enviro) | [www.studio.youtube.com/channel](https://www.studio.youtube.com/channel)





## HEATING SYSTEMS



We Manufacture central heating system complete with AHU and Heating Chamber. The Spaces can be maintained at about 60-70 Deg.c in all weather condition.

★ **Available Heating Sources :**

- ☞ Hot Water with Boiler (Gas/Oil fired)
- ☞ Electrical Heaters
- ☞ Thermic oil Heaters
- ☞ LGP Gas Heaters

★ **Available Capacity :**

- ☞ 2000 KCAL to 200000 KCAL

**AASTHA ENVIRO SYSTEMS PVT. LTD.**





## VENTILATION / AIR COOLING SYSTEMS



We Manufacture three types of ventilation system as under for Production Hall, Assembly Shop, Green House, Poultryshed, Basement etc.

★ **Fresh Air Ventilation ( with Cooling )**

★ **Exhaust Air Ventilation**

★ **Fresh and Exhaust Air Ventilation**

☞ Fresh Air ventilation system shall have Pre filter and centrifugal blower/ axial flow fans with ducting Gravity Louver & grill network.

☞ Exhaust Air ventilation system shall have Centrifugal blower/ axial flow fans with ducting, Fixed Type Louver & grill network.

☞ Fresh and Exhaust Air Ventilation shall have centrifugal blower with Pre filter and axial flow fans with Weather Cowl.

★ **Available Capacity of Ventilation / Air Cooling Systems :**

☞ 1700 M<sup>3</sup>/hr. to 200000 M<sup>3</sup>/hr.

# AASTHA ENVIRO SYSTEMS PVT. LTD.





## AIR CONDITIONING SYSTEMS



**We Manufacture/Trade Complete Air Conditioning Solution for all types of Industries as well as Offices and Residences.**

★ **Available Types of Air Conditioners :**

- ✚ **Window, Split, Cassette & Tower Air Conditioners**
- ✚ **AHU (Air Handling Units) with Chiller, Piping, Ducting, Grills, Diffusers & Dampers.**
- ✚ **Ductable Split Type Air Conditioners With Ducting, Grills, Diffusers & Dampers.**
- ✚ **Packaged Type Air Conditioners With Ducting, Grills, Diffusers & Dampers.**

★ **Available Capacity of Air Conditioners :**

- ✚ **0.75 TR to 600 TR**

**AASTHA ENVIRO SYSTEMS PVT. LTD.**



## **AIR POLLUTION CONTROL EQUIPMENTS**

### **DUST PROOFING SYSTEM**



**We Manufacture Dust Proofing Systems for High Sensitive areas. We maintain the area up to 0.3 Micron air quality.**

- ★ **For any dust Proofing Area the minimum particle size should be 5 micron.**
- ✎ **Dust Proofing system shall comprises of Centrifugal blower, pre filter-10 micron, micro V-filters 5 micron and hepa filter 0.3 micron as per process requirement.**
- ★ **Available Capacity of Dust Proofing System :**
- ✎ **1700 M<sup>3</sup>/hr. to 120000 M<sup>3</sup>/hr.**

**AASTHA ENVIRO SYSTEMS PVT. LTD.**





## **AIR POLLUTION CONTROL EQUIPMENTS**

### **DUST COLLECTOR**



**We Manufacture Dust Collector Systems for Automobile, Pharmaceuticals and All Engineering Industries**

👉 **There are Two types of Dust collector Cyclone type and Bag Type.**

★ **Available Capacity of Dust Proofing System :**

👉 **300 M<sup>3</sup>/hr. to 75000 M<sup>3</sup>/hr.**

**AASTHA ENVIRO SYSTEMS PVT. LTD.**



## **AIR POLLUTION CONTROL EQUIPMENTS**

### **WET SCRUBBER**



**We Manufacture wet Scrubber for Automobile, Pharmaceuticals and All Engineering Industries.**

👉 **Wet Scrubber are manufactured in MS, SS, and PP&FRP as per requirement**

★ **Available Capacity of Wet Scrubber :**

👉 **2000 M<sup>3</sup>/hr. to 15000 M<sup>3</sup>/hr.**

**AASTHA ENVIRO SYSTEMS PVT. LTD.**





## **AIR POLLUTION CONTROL EQUIPMENTS**

### **PP & FRP TANKS**



**We Manufacture Storage Tanks for Industrial Purpose.**

👉 Tanks are manufactured in MS, SS, and PP&FRP as per requirement

★ **Available Capacity of Wet Scrubber :**

👉 200 Ltr to 50000 Ltr.

**AASTHA ENVIRO SYSTEMS PVT. LTD.**