



EPP Composites Pvt. Ltd.



Dedication to Nature Through Technology



Air Pollution Control System

## SCRUBBERS

This equipment is used to purify hazardous exhaust gas through its internal special filling pieces which enlarge the surface between exhaust gas and fluids. The entire Pollution control System consists of the following equipments and components.

- Scrubbers (Packed Bed, Sieve Tray and Venturi Scrubber)
- Centrifugal Exhaust Blowers
- Fume Collection Hoods
- Ducts
- Stack or Chimney

### Material of Construction:

- FRP moulded & filament wound using Isophthalic, Bisphenol, Vinylester and Epoxy Resin
- PP & HDPE Spiral Wound
- PP/FRP, PPH/FRP, PVC/FRP, CPVC/FRP, PVDF/FRP, ECTFE/FRP, FEP/FRP

**Packed bed Scrubbers** are packed with Hollow Thermoplastic elements which are fluidized by the ascending gas stream as it passes counter current to the descending scrubbing liquid. Removes soluble gases like HCL, CL<sub>2</sub>, Br<sub>2</sub> AND NH<sub>3</sub>, SO<sub>2</sub>/SO<sub>3</sub>, H<sub>2</sub>S & NO<sub>x</sub>.

**Venturi Scrubbers** removes fumes, dust, solids and liquid particulate. Pollutants are removed by bringing gas stream and Scrubbing Liquid into violent turbulent contact as they pass through a high velocity Venturi Throat Section.



Packed Bed Scrubbers



FRVE HOOD



FRP / FRVE CENTRIFUGAL BLOWER



PP / FRP VENTURI SCRUBBER



FRP STACK

**Centrifugal Exhaust Blower, Hoods, Gas duct and Stack** are the parts of Air Pollution control System. EPP offers Blower of Capacity upto 1,60,000 M<sup>3</sup>/Hr and the Duct size upto 1500 mm Dia and Ht upto 30 Mtrs.

### Benefits Over Traditional Scrubbing System

- Reduced Tower Heights & Diameters
- Reduced Pressure Drop
- No Channeling or Bypassing
- Increased Efficiency
- Extended Operational Life

### Application

- Chemical & Pharmaceuticals Plants
- Pulp & Paper Mills
- Chlor Alkali Plants
- Chlorine Emergency Scrubbing System
- Pickling and Metal Finishing Plants
- Bromine & Bromide
- Power Plant
- Dyes & Intermediate Industry
- Pesticides & Fertilizer Plants

### Services

- Designing, Sizing, Lay out
- Turnkey Projects from Design to Commissioning



## EPP COMPOSITES PVT. LTD.

Plot No. 2646, Kranti gate Main road, GIDC Lodhika Indl. Estate, Kalawad Road, Metoda - 360 021 Dist. Rajkot, Gujarat, India.  
Tel : +91 2827 287059-60-61, fax : +91 2827 287063  
E-Mail : marketing@atikagroup.com, info@atikagroup.com  
www.atikagroup.com

