

VENTURI WET SCRUBBER

APZEM Venturi Wet Scrubber are custom designed to capture smaller dust particles, VOCs, chemical fumes, and other water / chemically soluble fumes and Vapors generated in industrial process. Venturi scrubber is a kind of wet scrubber and is of high efficient in comparison to other wet scrubbers at a higher pressure drop.

FEATURES

- > Adjustable Venturi Section
- > Chemical Sampling Housing
- > PH Control Panel
- > Liquid Recirculation System
- > Mist Elimination Section
- > Clean Air Outlet (Round or Rectangular)
- > Dirty Air Inlet (Round or Rectangular)
- > Mixing Chamber
- > Chemical Injection Piping

OPERATION

At the venturi throat, the gas and liquid streams collide and the liquid breaks down into droplets which trap dust particles. This gas/liquid mixture passes through a flooded elbow, and then enters the separator through a tangential inlet. Centrifugal action removes the heavy wetted particles from the gas stream. As an alternate, when very large diameter separators are required, the liquid is separated by passing the stream through a chevron-type mist eliminator baffle.

The dust/liquid mixture is discharged from the separator bottom drain and the cleaned gas leaves through the top of the separator.



APPLICATION

- > Chemical industries
- > Pulp and paper industries
- > Petrochemical industries
- > Steel making
- > Corn Processing Facilities
- > Food Manufacturing
- > Pharmaceutical industries
- > Fertilizer production and processing industries
- > Machining and Grinding exhaust
- > Fiberglass & Composite Industries
- > Utility Boilers
- > Foundries and Metal Finishing Operations