

## PLATE COLUMN SCRUBBER

APZEM Plate Column Scrubber is the simplest of wet scrubber and works and are custom designed to capture dust particles, VOCs, chemical fumes, and other water / chemically soluble fumes and Vapors generated in industrial process.

### OPERATION

An plate-column scrubber is a vertical chamber with plates mounted horizontally inside a hollow shell. plate-column scrubbers operate as countercurrent dust particles collection devices. The scrubbing liquid flows down the tower while the gas stream flows upward. Contact between the liquid and the particle-laden gas occurs on the plates.

In this type of scrubber, the scrubbing liquid flows over the plates and the gas flows up through the holes. The contaminant gas-particles collection through bottom of the plate column scrubber system.

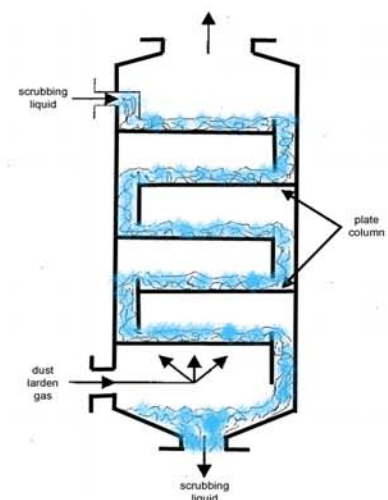


### AIR/GAS POLLUTANTS REMOVED

- > Particles upto 1 microns
- > Acid gasses
- > VOCs etc..

### 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



### ADVANTAGE

- > Can handle flammable and explosive dusts with little risk
- > Provides gas absorption and dust collection in a single unit
- > Can handle mists
- > Collection efficiency can be varied
- > Provides cooling for hot gases
- > Corrosive gases and dusts can be neutralized