

Wet Scrubber

Product Description

Dust and odor collectors that use liquid are known as wet scrubbers. In these systems, the scrubbing liquid comes into contact with a gas stream containing dust particles. Greater contact of the gas and liquid streams yields higher dust removal efficiency.

There are two kinds of shapes: vertical scrubbers and horizontal ones. It is widely used in the treatment of some toxic waste gases which are hydro soluble such as Ammonia (NH₃) gas, Hydrogen Fluoride (HF), Hydrogen Chloride (HCl) gas, Nitrogen Oxide (NO_x), Sulfuric acid fume, Chromic Acid mist, Hydrogen Cyanide, Sulfuric acid mist, mist of Chromic acid and so on. Besides, the wet scrubbers are used to deodorize the ammonia, hydration, methanol alcohol, amine etc.

How does a wet scrubber work?

Waste gases are dragged into the scrubber through the duct from a low position then they can go upward. Absorption liquid sprays downward. The gases will meet and react with the absorption liquid in the packing layer/layers which help to supply abundant reaction space. Gases become clean but wet after the reaction so that the wet air will be demisted and dried in the demisted layer. Finally, dry and clean air discharges through the outlet after all the treatment.



Model (mm)	Air volume (m ³ /h)	Pump out/in Diameter (mm)	Power (kw)	Material
φ800*2500	2000-3000	32/25	0.75	CS ST37, HDPE, PP, SS 304
φ1000*3000	4000-5000	40/32	1.5	
φ1200*3000	6000-8000	40/32	1.5	
φ1500*3500	10000-15000	50/40	2.2	