

Wet Scrubber:

Configurations: Multivane, Counter flow type.

Scrubbing liquid is introduced into the scrubber as a spray directed down over a circular "scrubbing vane" arrangement. As the liquid drains through the vanes, it creates curtains of scrubbing liquid. Flue gas from DG exhaust enters the scrubber tangentially and collides with Caustic Spray through the nozzles initiating particle agglomeration and desulphurization. The coarser particles produced are washed down to the slurry outlet. The Sox is diluted to CPCB norms

The cyclonic action of the saturated gas stream as it spins upward forces the agglomerated particles to fall out of suspension. The coarser droplets impinge on the mist eliminator vanes and the finer droplets are forced to drop out of suspension by gravitational and centrifugal forces.



- Handles high fume loads , no moving parts
- Low pressure drop-1.2 kPa (5 in. w.g.)
- Low water use & low water pressure
- Low maintenance

PARTIAL REF LIST OF SCRUBBERS

1	Dome Contracting, Saana, Yemen	2007	For 2 x 1 MW Cummins DG set
2	Energy Du Maali - Bamako	2008	For 12 MW MTU France DG power
3	Coca Cola Saana Yemen	2008	For MGS Mitsubishi DG set
4	Agrosynth Chemicals Bangalore	2004	SS 316 Scrubber with Holding tanks and blowers
5	Ram Rasayanic Pvt Ltd Chikballapur	2005	P.P Scrubber, 500 mm Dia, 12 Mtr High for oxalic acid plant
6	Gmmco Chennai	2008	Exhaust System for 2 x 1500 KVA Caterpillar engine
7	Empee Hotels (Hilton) Chennai	2009	Exhaust gases from Boiler

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IMAGEX provides engineered Scrubbers, Exhaust Stacks / Chimney for DG set based power plants for DG sets, and GT/STG power plants, which include supports, exhaust silencers etc... Photos Below shows such units provided for different applications.



Image 1 - Scrubber for DG set during Installation

Image 2 - Scrubber in operation for 2000 KVA DG set

Image 3 - Scrubber for Boiler Exhaust