

Dust Scrubber

Product Coding
PXXXXXXXXX

Introduction

Dust scrubber is a wet gas cleaning unit designed to remove fine particulate matter, fumes, and dust from industrial exhaust streams. By contacting contaminated gas with scrubbing liquid, solid particles are captured and washed out, producing clean outlet gas that meets environmental emission standards.

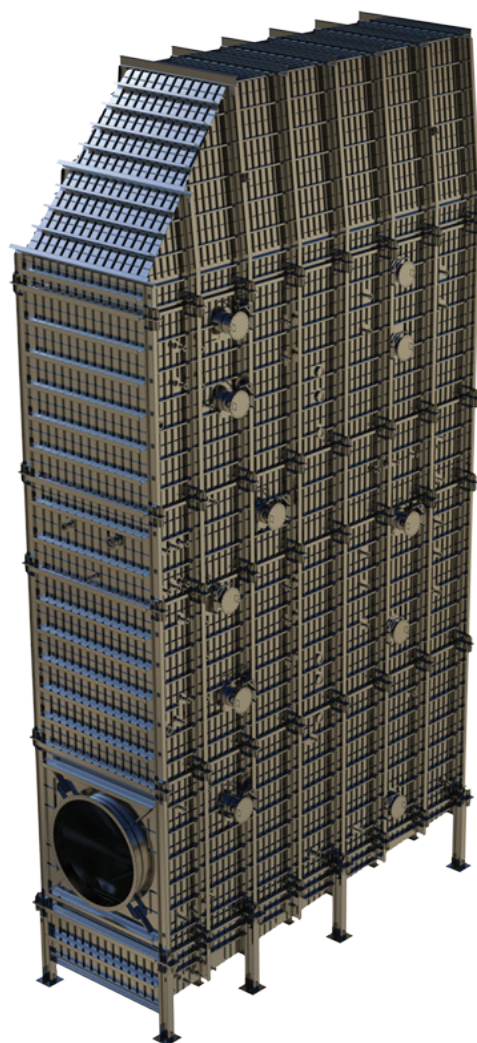
Our company designs and manufactures dust scrubber vessels, internals, and complete skid-mounted systems for harsh industrial environments, ensuring reliable dust removal performance and long operational life.

Features

- **Exceptional recovery efficiency:** Recovers over 95% of urea from exhaust air as a reusable 45% solution, significantly reducing material loss.
- **Ultra low emissions:** Maintains dust emissions below 20 mg/Nm³ and ammonia slip under 5 ppm, fully compliant with stringent environmental regulations.
- **Multi stage wet scrubbing:** Incorporates Venturi dust removal and packed bed ammonia absorption for maximum efficiency.
- **Automated wash cycles:** Ensures consistent performance, prevents fouling, and maintains long term operational stability.
- **Corrosion resistant construction:** Materials selected for durability in corrosive urea and ammonia environments, ensuring long service life.
- **Stable operation under variable load:** Designed to maintain high efficiency even during granulator throughput fluctuations.

Applications

- Urea granulation units
- High dust, ammonia rich exhaust treatment systems
- Industrial emission control and environmental protection systems
- Cement, lime, and gypsum plants
- Steel mills and foundries
- Power plants and boilers
- Fertilizer and petrochemical complexes



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