

Flue Gas Desulfurization System for Thermal Power Plant

This flue gas desulfurization (FGD) system removes sulfur dioxide (SO₂) from thermal power plant emissions. The system utilizes a wet scrubbing process where flue gas reacts with a limestone or lime slurry.



System Overview

Industrial Flue Gas Desulfurization Solution

This Flue Gas Desulfurization (FGD) system is engineered specifically for thermal power plant applications to effectively mitigate environmental impact. By utilizing an advanced wet scrubbing process, the system efficiently removes sulfur dioxide (SO₂) from flue gas streams, significantly reducing air pollution and preventing acid rain. The comprehensive installation includes critical infrastructure such as scrubbers and absorbers to ensure optimal operational performance and compliance.

Technical Process

Byproducts

- Calcium sulfite
- Calcium sulfate

Scrubbing Process

Wet scrubbing process

Reagent Materials

Limestone, Lime

System Components

Core Components

Scrubbers • Absorbers • Cooling Towers