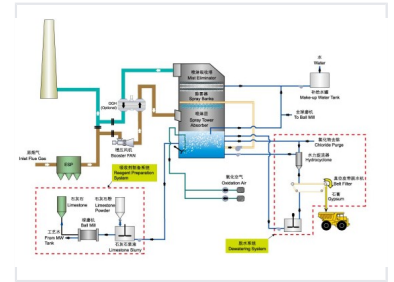


Flue Gas Desulfurization System

This system utilizes wet limestone-gypsum technology for flue gas desulfurization. It absorbs sulfur dioxide from flue gas using limestone slurry, resulting in gypsum as a byproduct.



System Overview

Wet Limestone-Gypsum FGD Process

The wet limestone-gypsum process utilizes limestone or lime as a reagent to achieve high-efficiency flue gas desulfurization. By integrating SO₂ removal, fly ash collection, in-situ forced oxidation, and gypsum crystallization into a single compact reactor, this system minimizes land requirements while maximizing operational performance. The technology is engineered for high reliability, excellent load following capabilities, and cost-effective maintenance.

Byproduct

Commercial grade gypsum

Technical Features

Key Modules

- Reagent preparation system
- Absorber module
- Byproduct dewatering system

Operational Advantages

High desulphurization efficiency, Compact footprint, High reliability, Load following capability, Low O&M cost

System Architecture

Single Reactor Functions

Integrated Function

- SO₂ removal
- Fly ash collection
- In-situ forced oxidation
- Gypsum crystallization