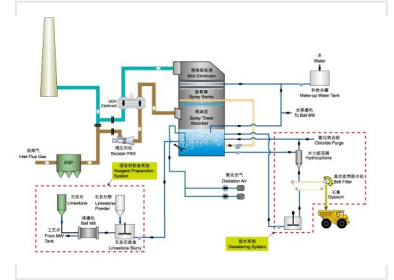


Flue Gas Desulfurization System

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
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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
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System Architecture

Single Reactor Functions

Integrated Function
SO ₂ removal
Fly ash collection
In-situ forced oxidation
Gypsum crystallization