

Flue Gas Desulfurization System

This is a flue gas desulfurization (FGD) system used in power plants. It removes sulfur dioxide (SO₂) from flue gases produced by burning fossil fuels.



System Overview

Advanced CFB Desulfurization Technology

This Circulating Fluidized Bed (CFB) Flue Gas Desulfurization (FGD) system provides a robust solution for large-scale industrial power plants. Designed for high-efficiency sulfur dioxide removal, the system integrates seamlessly into existing combustion exhaust infrastructures. It offers a reliable, dry-process alternative that eliminates the need for wastewater treatment or flue gas reheating.

Performance Metrics

Desulfurization Efficiency

95 %

Efficiency

System Features

Key Advantages

- High desulfurization efficiency (e95%)
- Simple process and reliable system architecture
- Dry by-product generation
- No wastewater production
- No requirement for flue gas reheating
- Low investment and maintenance costs
- Compact design with low space requirements

Operational Capabilities

Development Status

Supercritical CFB FGD Technology • Large Unit Application

Proven Unit Applications

200MW, 300MW, 660MW