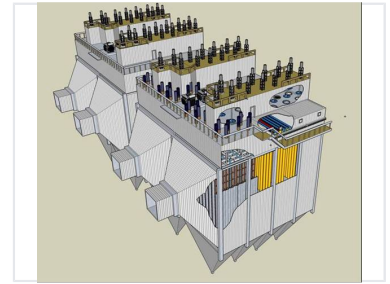


Electrostatic Fabric Integrated Precipitator for Air Pollution Control

The Electrostatic Fabric Integrated Precipitator is a high-efficiency air pollution control device. It combines electrostatic precipitation and fabric filtration, offering the advantages of both technologies for effective dust removal with low investment and a small footprint.



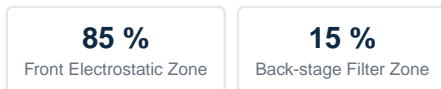
Overview

High-Efficiency Air Pollution Control

The Electrostatic Fabric Integrated Precipitator is an advanced solution designed for industrial flue gas cleaning, combining electrostatic precipitation with fabric filtration. This hybrid approach leverages the high collection efficiency of electrostatic zones to capture the majority of ash, followed by a fabric filter zone to ensure low emissions. The system is engineered to reduce operational costs, minimize footprint, and extend the lifespan of filter components.

Technical Principles

Collection Efficiency Distribution



Key Operational Advantages

- Low inlet velocity per chamber reduces filter bag wear
- Charged dust particles improve collection efficiency in filter bags
- Repelling force between charged dust facilitates easier hopper collection
- Uniform flow distribution via creative flow facility
- Separate field structure adapts to varied operating conditions

Performance & Benefits

Maintenance & Lifecycle

Factor	Impact
Filter Bag Lifespan	Extended
Operation Pressure	Low
Maintenance Cost	Reduced
Energy Consumption	Lowered

Operational Benefits

Low Investment, Low Operation Cost, Small Footprint, High Filtering Speed, Energy Efficient