GE TEK

We Care for Power & Environment

ElectroStatic
PRECIPITATOR
ESP

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ESP

ELECTROSTATIC PRECIPITATOR

Principle of Operation

Stage:1 A high voltage is applied between the discharge and collecting electrodes, generating a corona discharge that produces negative ions

Stage:2 The negatively ionized dust particles are attracted to the collecting electrode due to electrostatic attraction between the two unlike charges

Stage:3 The dust accumulated on the collecting electrode is removed and collected into the hoppers by rapping system

FEATURE

The unique characteristic of ESP lies in the direct application of a separating force to the particles, which does not influence the entire gas stream. This results in a significantly lower pressure loss in comparison to other type of dust collection systems.

GE TEK is a world class supplier to

- Boiler OEM's
- Sugar Industry
- Process Industry
- Pulp and Paper Industry
- Cement Industry
- Steel & Sinter Plants
- Power Plants
- Glass Manufacturing Plants
- Palm
- And various other industries

Advantages

- ESPs are very efficient even for small particles
- Operating costs are reduced by low energy consumption
- Minimal maintenance requirements
- Can be designed to handle wet and dry gas compositions for a wide range of gas temperatures.
- Handle large volumes of gases
- Low pressure drop
- To Handle High Moisture & High Unburnt Carbon

Highlights

- *Core Competency*
- *Well proved design*
- *Selection of Collecting & Discharge Electrodes*
- *Efficient rapping*
- *Low weight*
- *Competitive design (Low Weight)*
- *TR Set controller (OWN Design)*
- *In-House Manufacturing facility*
- *Strength of Execution*
- *Vide Commissioning knowledge*

Exclusive design for both Tumbling (Bottom and Top Rapping) and EMIGI.

TUMBLING & EMIGI