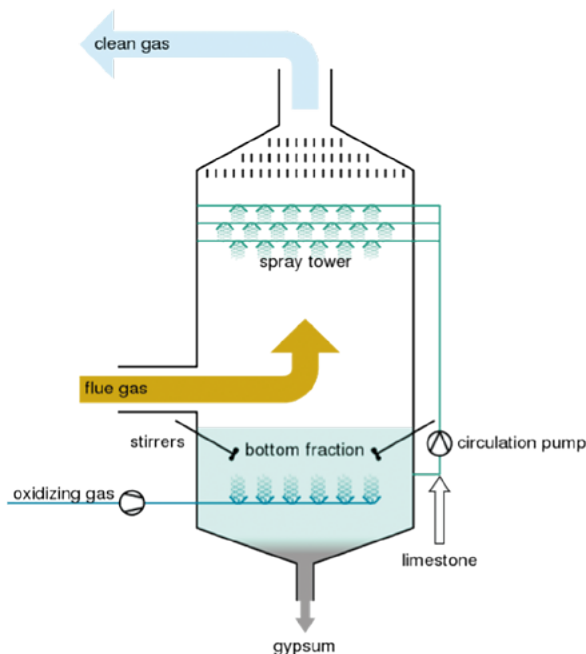


Valmet TS Measures Lime Solids in Coal-Fired Power Plants

Valmet Total Solids Transmitter (Valmet TS) offers a safe microwave based solids analyzer to measure solids in lime feed applications to Flue Gas Desulphurization Process.

Approximately 37% of the Energy created in the United States comes from coal. Due to environmental concerns, coal is burned as cleanly as possible. At the center of this process is Flue Gas Desulphurization (FGD) which reduces SO_2 (sulfur dioxide) in the flue emissions. As part of the Desulphurization process many Coal-Fired Plants inject a limestone slurry into the flue to convert SO_2 to CaSO_3 (Calcium Sulfit) which can later be oxidized to CaCO_4 (Calcium Sulfate) or Gypsum – a product with potential commercial value. Measuring the exact limestone % solids can both optimize lime usage and assist with emission reducing controls.

- No Moving Parts
- Safe Microwave Technology;
No Special Regulatory License
- Simple Single point Calibration
- Years of maintenance free use
- Measures wide range of solids





*Actual Valmet TS Lime Feed Installation;
no special license or handling requirements*

Nuclear source Density Measurement

Solids Laboratory vs Valmet TS Measurement

