

Circulating Dry Scrubber CDS

Design features:

Within a cylindrical tower, water is atomized into a vertical circulating bed of dry alkaline reagent to absorb SO₂ and other acid gases; a close-coupled particulate control device, typically a fabric filter, is used to collect the unreacted reagent, flyash and reaction products; most solids collected in the fabric filter are recycled to the absorber to create a high solids circulating load in the absorber.

Applicable boiler sizes:

Applications up to 400 MW with a single module.

Removal efficiencies:

To 98%.

Reagents:

Hydrated lime and recycled byproduct.

Fuels:

All solid fuels, including coal, biomass and municipal solid waste, as well as fuel oil.

