

Spray Dryer Absorber SDA

Design features:

A rotary atomizer delivers a slurry of an alkaline reagent into the hot flue gas to absorb the 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; an optional recycle system returns unused reagent to the rotary atomizer to increase the SDA performance.

Applicable boiler sizes:

To 400 MW for a single module; applications up to 900 MW with parallel modules.

SO₂ removal efficiencies:

To 97%.

Reagents:

Lime slurry and optional recycle system.

Fuels:

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

