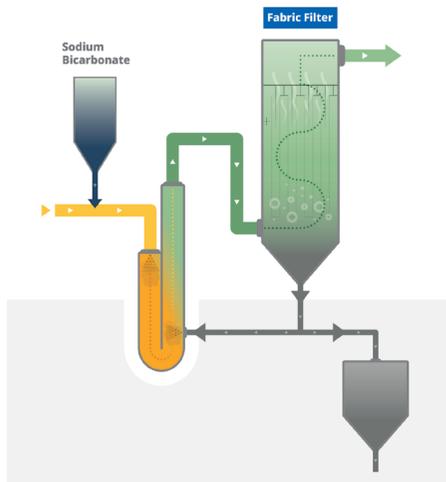


Technology Portrait:

Doosan Lentjes dry FER-DI® Flue Gas Cleaning

As a simple and cost-effective alternative for applications with moderate concentrations of pollutants, we offer the dry FER-DI® process (Flexible Economic Reagent Direct Injection). Acid gases such as SO_x, HCl, HF as well as dioxins and furans and heavy metals such as mercury are reliably removed.



The process

Depending on your individual requirements, we use either sodium bicarbonate (NaHCO₃) or hydrated lime (Ca(OH)₂) as absorbent in combination with activated carbon (AC).

The absorbent is added directly to the hot flue gas at the outlet of the boiler. The pollutants contained in the raw gas react with the additives and are then separated in a downstream particle filter system (fabric filter). If economically feasible, a large proportion of the solid particles separated in the fabric filter are returned to the duct area in order to make optimum use of the separation potential of the absorbent used. A part is withdrawn from the process for disposal.

Optimised design

The FER-DI® process benefits from an even more compact plant design with minimal space requirements, which also reduces your investment costs. At the same time, the simple concept allows for minimal maintenance and operating costs.

The advantages of our dry FER-DI® flue gas cleaning at a glance:

- ▶ Simple procedure for moderate pollutant concentrations
- ▶ Compliance with all emission regulations according to the BREF documents and the 13th, 17th and 44th BImSchV
- ▶ Plant design in the smallest possible space
- ▶ Optimised investment, maintenance and operating costs

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