

SAWA

SCRUBBER USED AS A PRE-CLEANING SYSTEM OR AS
END-OF-PIPE SOLUTION FOR FINAL CLEANING OF POLLUTED
EXHAUST GASES IN THE WOOD BASED PANEL INDUSTRY



The Advantages:

High removal efficiencies when used as a pre-cleaning stage:

- Reliable dust removal
- Removal of water-soluble contaminants such as HCl, SO₂, which are dangerous to health

Low operating costs:

- Low maintenance and cleaning costs
- Long-term, constantly low pressure loss as the result of a simple design

High reliability:

- Efficient, high-performance treatment of circulating water
- Compact and simple design
- Simple operating mode
- Robust machinery and components
- Small physical footprint

The SAWA process distinguishes itself through its suitability for a wide variety of possible applications. When used as a pre-scrubber, it protects and reduces the load on downstream exhaust gas cleaning systems. When dust filtration requirements are low, the scrubber can also be used as a final cleaning stage.

Quench/Scrubber Zone

As a result of intense water quenching, dust particles entrained in the gas stream are bound with water. The crude gas is simultaneously cooled until it reaches the saturation point.

Droplet Separation

A centrifugal separator removes the dust-laden, agglomerated water droplets from the gas stream.

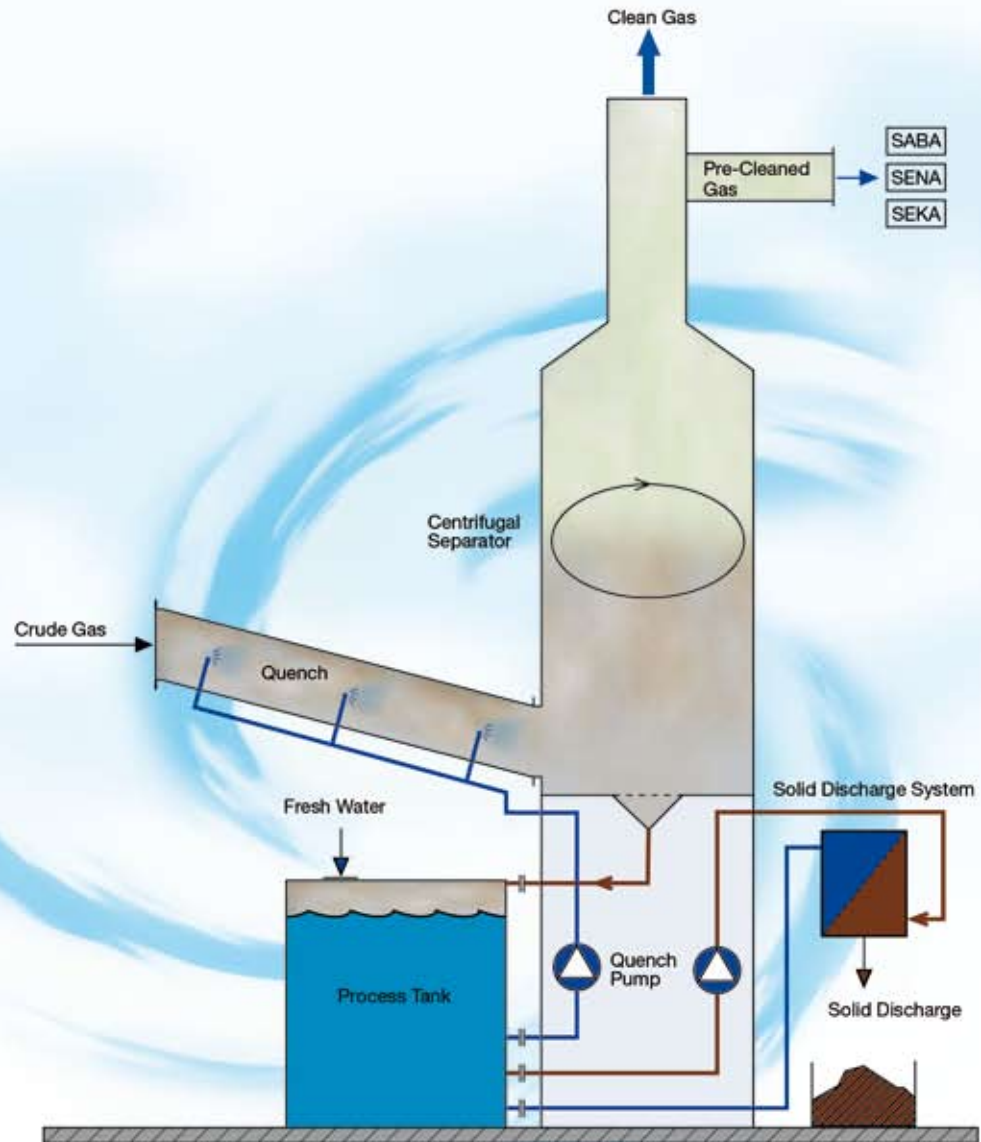
Water Circulation System, Water Treatment System

The scrubber is operated as part of a closed water circuit. The solid materials in the water are removed from the circulating water using a screening device.

Fields of Application

- Dust scrubber upstream of bioscrubber (SABA)
- HCl scrubber used to protect downstream cleaning systems (SENA, SEKA)
- Dust scrubber used to ensure compliance with dust emission limits when requirements are low

THE SAWA PROCESS



scheuch
TECHNOLOGY FOR CLEAN AIR

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