

A MULTI-TALENTED WET SCRUBBER

SAWA. EFFICIENT PRE- OR POST-CLEANING

SAWA ensures the efficient separation of dust and water-soluble pollutants in the wood based panel industry. As a pre-scrubber, SAWA protects and takes the load off downstream emission cleaning systems and guarantees higher degrees of separation. Depending on the respective limit values, SAWA is also an essential part of the post-cleaning stage.

THE BENEFITS

High degree of cleaning

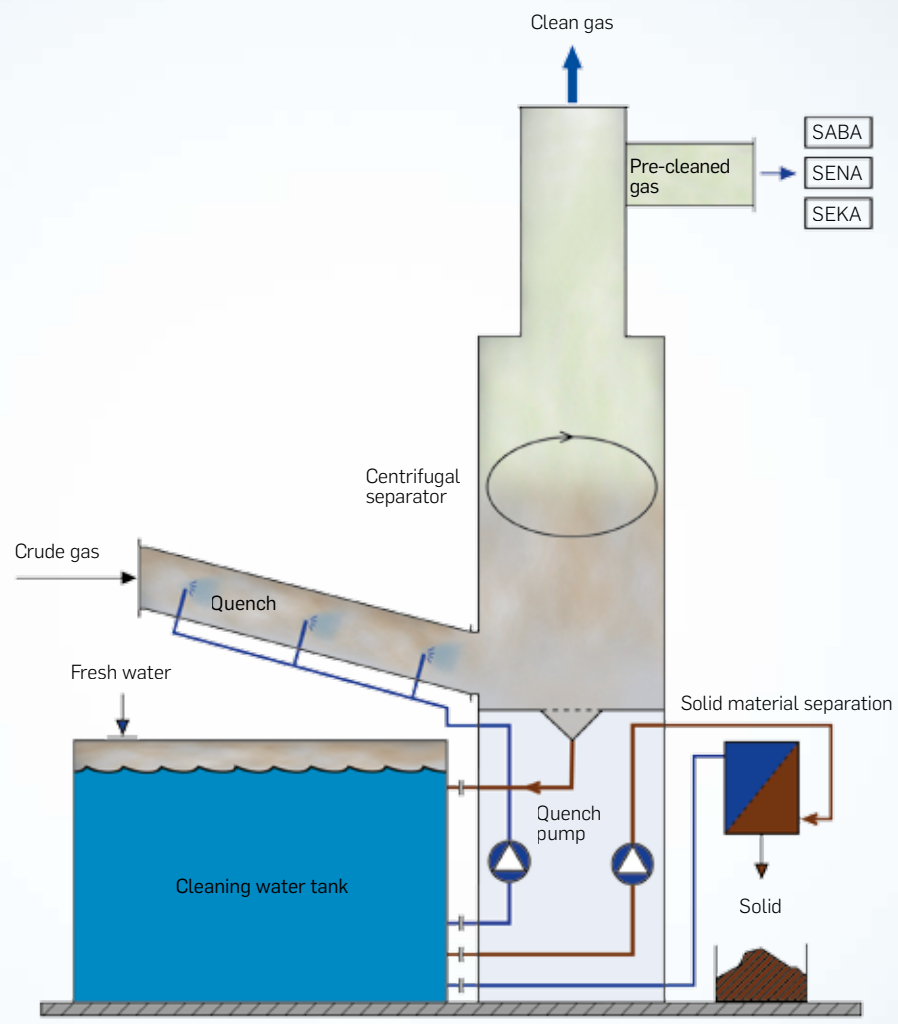
- Reliable dust separation
- Separation of water-soluble materials such as hydrogen chloride (HCl), sulphur dioxide (SO₂) and odors
- Also an efficient solution as a post-scrubber (depending on the applicable limit values)

Low operating costs

- Low maintenance and cleaning expenditure
- Consistently low pressure loss in the plant thanks to its simple design

Excellent availability

- Efficient, high-performance process water treatment
- Compact design for fault-free operation
- High-quality design of machines and components



HOW SAWA WORKS

1. Quench/scrubber zone

Intensive injection of process water binds dust particles found in emissions and thereby cools the gas to its saturation point (quench). As a consequence, SAWA ensures high separation performance.

2. Mist collection

The water drops containing dust and water-soluble hazardous materials are removed from the gas stream with a centrifugal separator.

3. Water treatment

Solid materials collected in the wet scrubber are filtered out reliably. The cleaned scrubbing water flows back into circulation in order to save resources.

4. Areas of application

- As a dust scrubber upstream of a bio scrubber (SABA)
- As a hydrogen chloride (HCl) scrubber for protecting downstream emission cleaning systems (SENA, SEKA)
- As a standalone dust scrubber, depending on the applicable limit values



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