Scrubbing tower

The SO_2 scrubbing column efficiently removes sulphur dioxide from process gases, ensuring compliance with environmental regulations while maintaining high operational reliability. Using a proven absorption process, it effectively captures and neutralizes SO_2 before release.

Scrubbing technology

SO_2 gas is most often used for absorption into a liquid. After the absorption, small amounts of SO_2 might still be present in the exhaust gas. To release the gas to atmosphere, the residual SO_2 needs to be removed by a scrubbing tower. Legislation often sets the limit of the permitted SO_2 gas emissions, but the tower can be designed to remove SO_2 in the gas further than so, even down to non-detectable levels.

How it works

A packed column is used to absorb SO_2 into an alkaline liquid. SO_2 gas enters at the bottom of the column, while the liquid solution is introduced at the top. As the gas and liquid flow counter-currently through the packing, SO_2 dissolves into the liquid phase and reacts chemically with the alkaline solution. The extent of SO_2 removal depends on the pH of the scrubbing liquid. Whenever possible, the slightly acidic liquid leaving the bottom of the column can be repurposed elsewhere in the process.

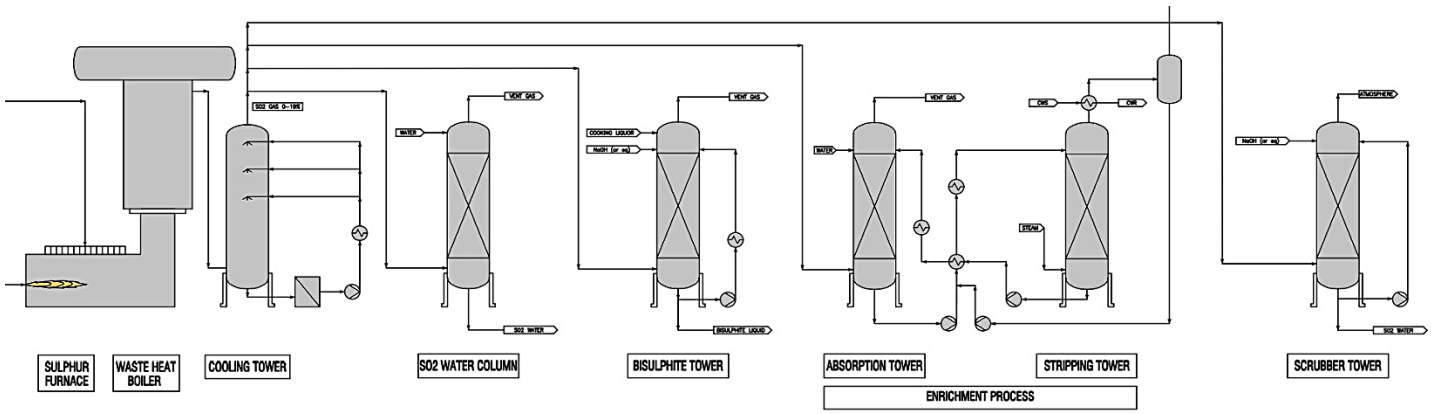
This scrubbing technology is well-proven and can be adapted to remove other gas contaminants as well.

The benefits

- Proven absorption technology
- Reducing SO_2 emissions
- End-to-End process expertise

NORAM End-to-End Process Expertise

At NORAM we are experienced with designing complete systems from sulphur to end product. Our expertise enables us to optimize the process design and mechanical configurations of the process to minimize the risk of corrosion and meet the requirements by the client in an efficient way.



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