

FerroSorp[®] S

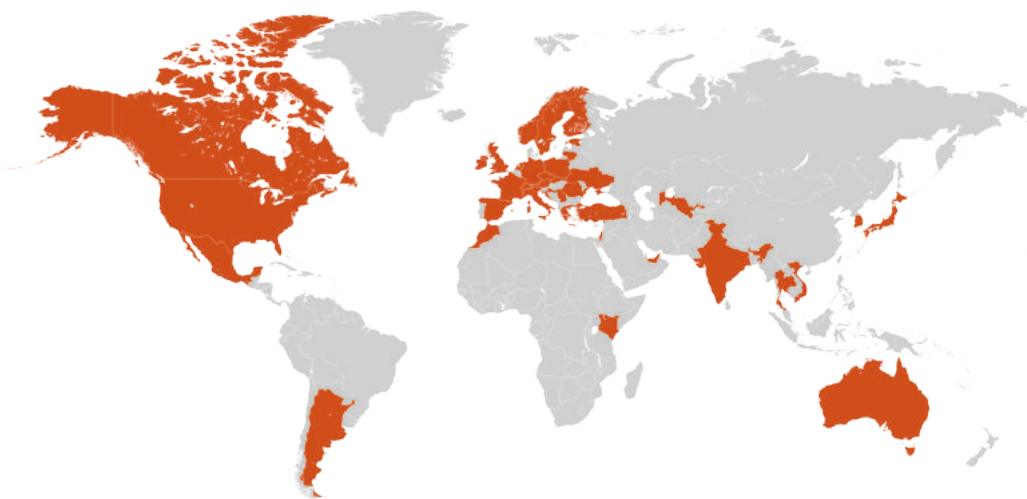
Pelletised hydrogen sulfide filter media for external desulfurization in wastewater treatment plants

Many wastewater treatment plants are experiencing hydrogen sulfide (H₂S) problems, which causes corrosion and typically results in additional costs for new machinery and equipment. Additionally, oxidation catalysts, which can be found at most modern facilities, require exceptionally low H₂S levels in order to work well and long lasting. Hence, the demand for a robust, high quality, versatile, effective and economical product to remove H₂S is especially strong at WWTP's. Whatever your request is, FerroSorp[®] S is a major contributor to your ideal solution.

FerroSorp[®] S – a high quality product **Made in Germany** – is a pelletized and highly effective media based on iron hydroxide. For over 20 years FerroSorp[®] S has proven itself to be **the best product for the job**, even under some of the harshest, most-challenging gas conditions. The result is, that each year more and more sites around the globe opt for using FerroSorp[®] S as their **solution to the H₂S problem**.

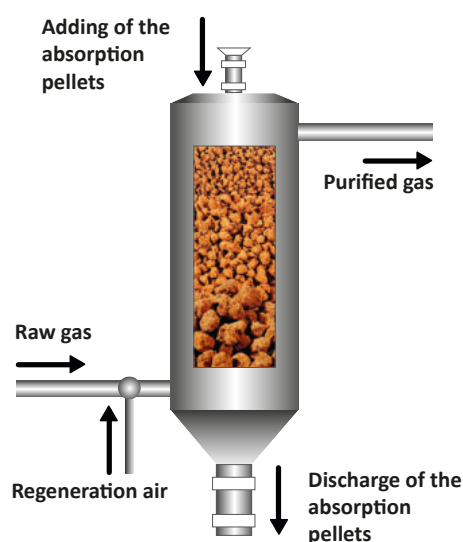


Wastewater treatment plant
(Source: Thomas Leiss | stock.adobe.com)

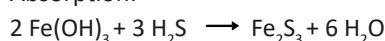


The process

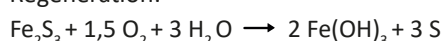
Gas containing H₂S is passed through a filter vessel filled with FerroSorp® S media pellets. Two chemical reactions occur: First, H₂S and iron hydroxide react to form solid iron sulphide. Second – either simultaneously or in a parallel vessel – oxygen converts the pellets back into iron hydroxide in a process called regeneration. Elemental sulphur is formed and accumulates within the pores of the media pellets, which results in high loading rates, long media lifecycles, and minimised clumping.



Absorption:



Regeneration:



**We gladly advise
you individually!**

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Advantages

- **Well proven**, non-hazardous product
- 20+ years of experience
- **Low removal costs** for H₂S compared to other leading technologies
- **High loading capacities** due to selective desulphurisation
- **Fast reaction**, achieves 0 ppm H₂S at outlet
- **Easy handling**
- **Superior performance** in gases **without air/O₂**
- Possible use as **fertilizer***
(* depending on regulations/legislation)

You can choose from our broad selection:



FerroSorp® S 2 - 4 mm



FerroSorp® S 2 - 8 mm



FerroSorp® S 5 - 25 mm

Note: Illustrations are not to scale.

