

FerroSorp[®] S

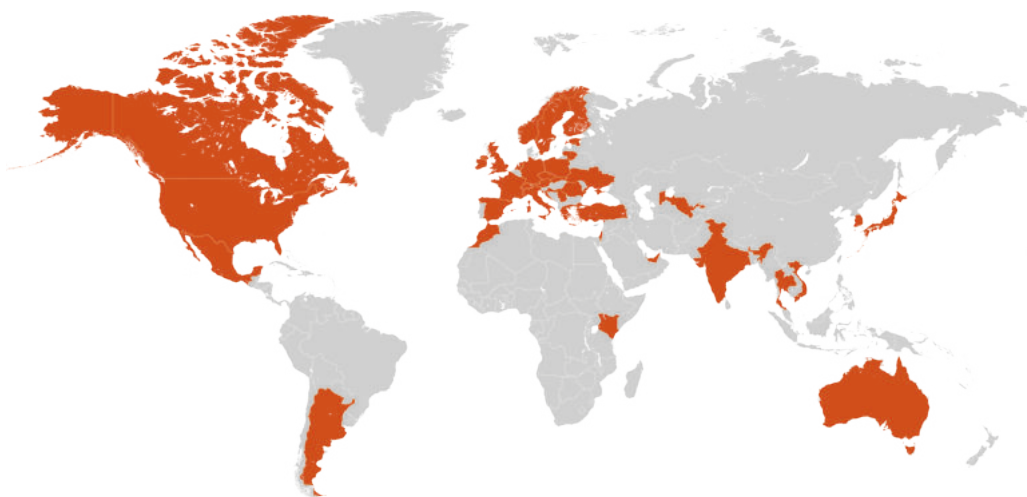
Pelletised hydrogen sulfide filter media for odour removal

The industrial sector is emitting volatile organic compounds (VOCs) and hydrogen sulfide (H₂S) into the atmosphere. Especially H₂S is highly corrosive, toxic and is one of the main contributors to odour nuisance which is a big problem due to resident complaints. Among the most relevant industrial sectors are landfills, waste sorting plants, sewage and biogas plants, wood processing plants, the paper and pulp industry, food production (especially yeast, chocolate, coffee, potatoes and tobacco), and meat processing plants.

To consistently achieve technical and regulatory compliance, a robust, economical and effective solution, such as FerroSorp[®] S – a high quality product **Made in Germany** – is required. 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**.

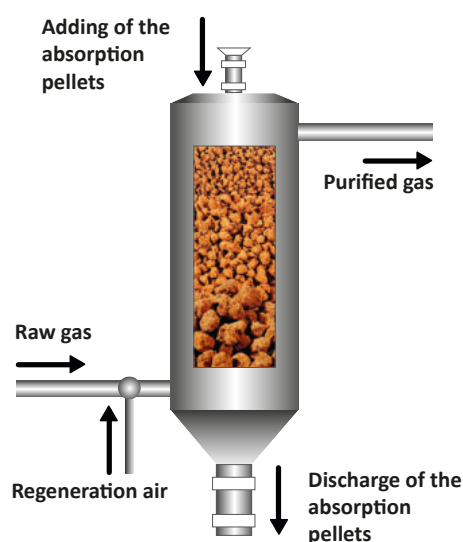


Filter for removing odour from exhaust gas in a sewage tunnel
(Source: HeGo Biotec GmbH)

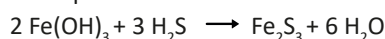


The process

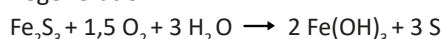
Gas containing H₂S is passed through a filter vessel filled with FerroSorp® S media pellets. Two chemical reactions occur: First, H₂S and iron hydroxide react to form solid iron sulphide. Second – either simultaneously or in a parallel vessel – oxygen converts the pellets back into iron hydroxide in 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.

