



bhartiwaters[®]
advancing resources



Bharti FerroSorp[®] S

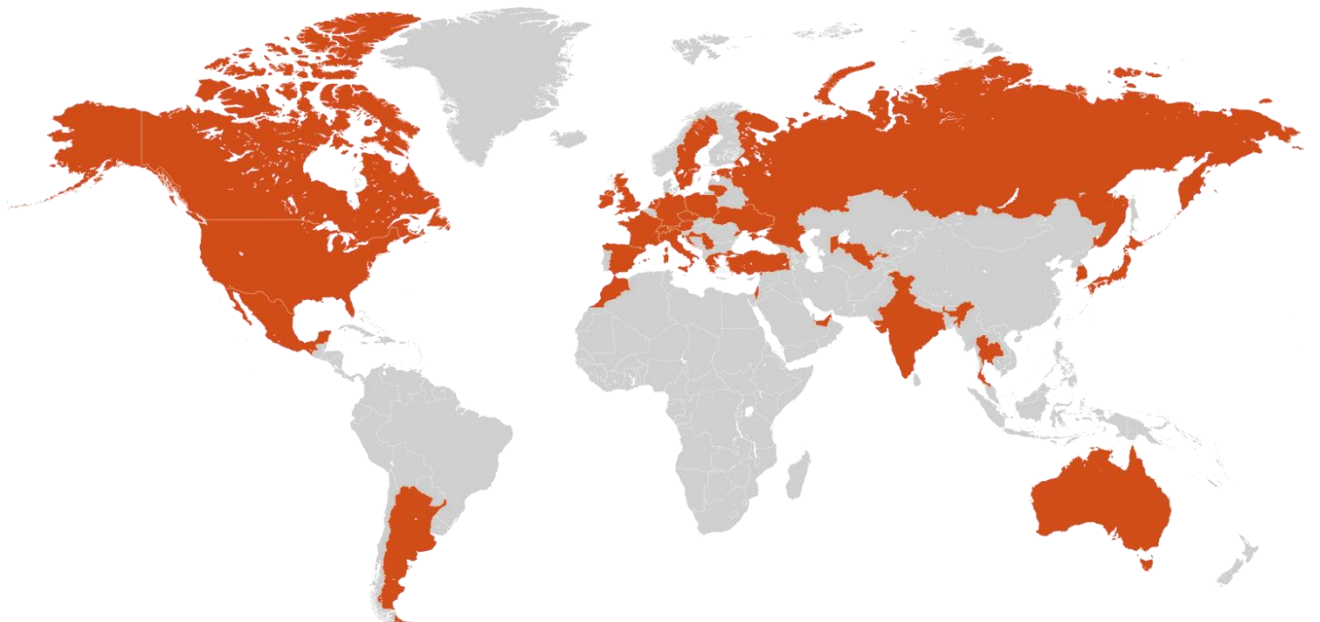
Pelletised hydrogen sulfide filter media in industrial applications such as CO₂-gas and synthesis gas

Industrial gases such as synthesis gas (syngas) and CO₂-rich gas for CO₂-production usually contain hydrogen sulfide, especially when produced from coal, decaying biomass or other sulfur-rich raw materials. The toxic, corrosive effects of H₂S are well-documented and contribute to decreased gas quality. In some cases, H₂S may also result in the production of dangerous SO₂ emissions. Because industrial applications operate under such broad varieties of conditions as far as pressure, temperature, H₂S freight, humidity are concerned, it is critical for plant operators to utilize technology that is proven, versatile, and economically feasible for their applications. Our FerroSorp[®] S media pellets are specifically designed to easily overcome even the most challenging industrial conditions.

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**.



Applicable for H₂S-containing gases such as syngas, CO₂-gas, geothermal fields and oil & gas-industry



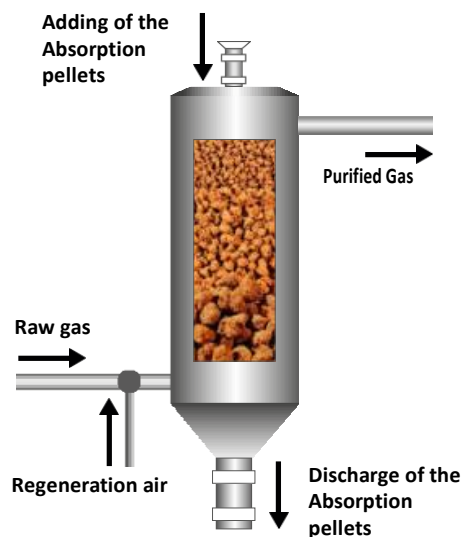


The process

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.

Advantages

- Used and tested for more than 20 years
- High purification performance
- High economic value
- High loading rates for H₂S
- Minimised losses in pressure drop due to optimized pellet shape
- Achieves 0 ppm H₂S at the outlet

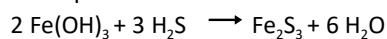


You can choose from our broad selection:

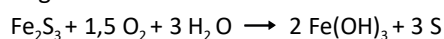


FerroSorp[®] S 2 - 4 mm

Absorption:



Regeneration:



We would gladly advise you regarding your customized Plant needs!

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