

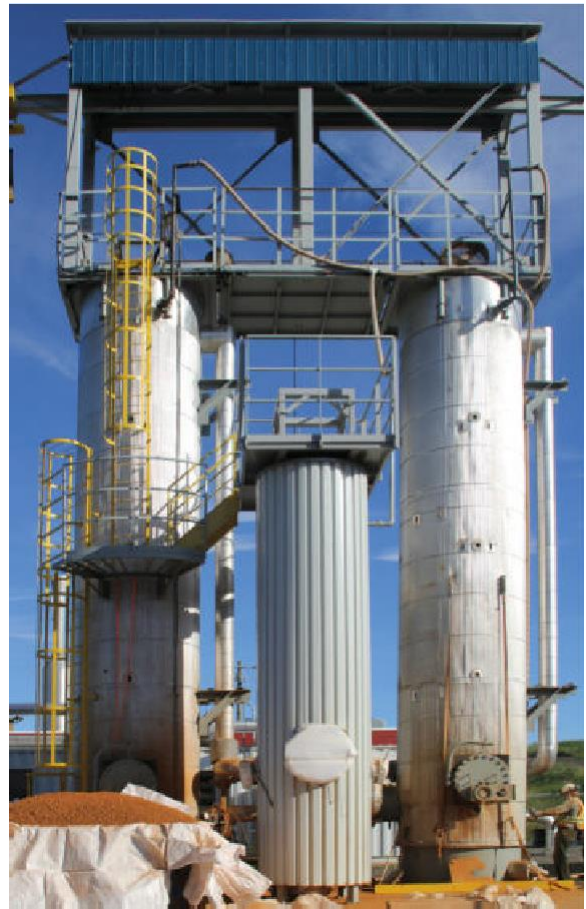


Bharti FerroSorp[®] S

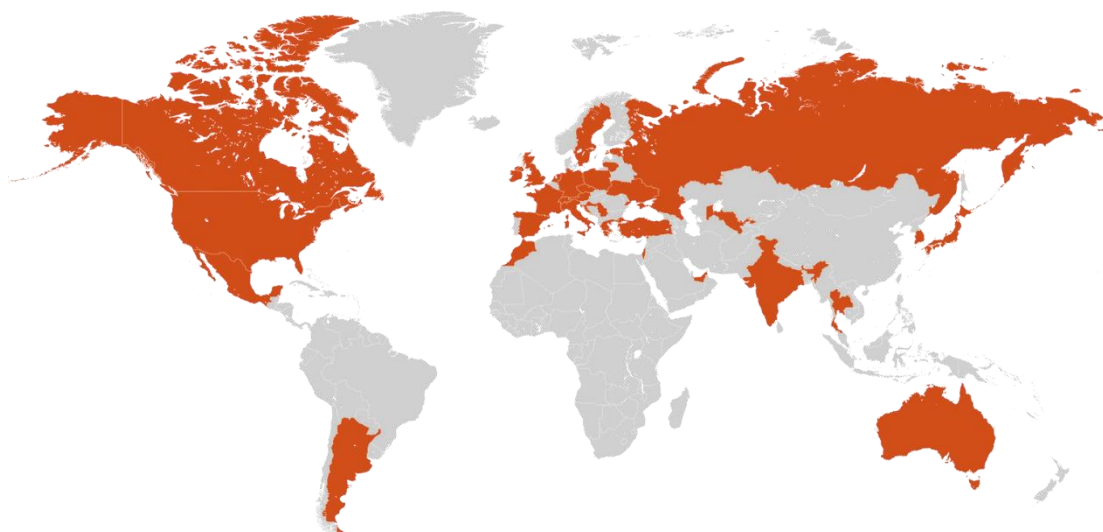
Pelletised hydrogen sulfide filter media for external desulfurization of landfill gas

Landfill gas contains many pollutants. Among them is H₂S which is known to be extremely toxic, highly corrosive, and foul-smelling. Maximum concentration thresholds for H₂S vary from site-to-site and are limited either for technical reasons (to protect downstream equipment and machinery such as CHP's, turbines, gas-upgrading equipment, etc.) and/or for regulatory reasons mandated by government agencies (i.e. air-quality standards, SO₂ emissions, etc.).

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**.



Landfill gas application, Quebec, Canada	
Gas Flow	1,200 m ³ /h
H ₂ S concentration	1,250 ppm
Relative Humidity	30 %



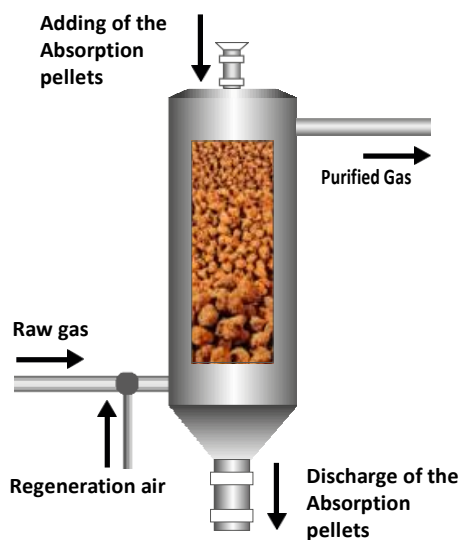


The process

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

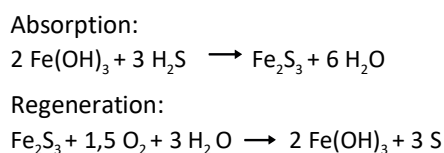
- Used and tested for more than 20 years
- High purification performance
- High economic value
- High loading rates for H₂S
- Minimised losses in pressure drop due to optimized pellet shape
- Achieves 0 ppm H₂S at the outlet



You can choose from our broad selection:




FerroSorp[®] S 2 - 4 mm



We would gladly advise you regarding your customized Plant needs!

Bharti Waters Private Limited

 20 SSI, Industrial Area, 2nd Floor, G.T Karnal Road, Delhi – 110033

 011-47050184, 47502243, M.: +91 9650516070, +91 9654200304

 bharti@bhartiwaters.com

 www.bhartiwaters.com