

H₂S REMOVAL



Biorem has a wide range of treatment options for the removal of Hydrogen Sulfide (H₂S). Whether you are looking for removal of a low air flow, high concentration air stream, a system that can remove total odors with elevated H₂S inlet, or the removal of impurities and conditioning of a biogas stream, Biorem has a solution which can be custom designed to fit your individual needs.

Application	System Solution	Removal Efficiencies	System Features
Low airflow, high H ₂ S concentrations	Sk Series	H ₂ S removal of >99% Total odor removal >95%	Skid mounted, shipped complete to site Two-stage biofilter Small footprint for tight space requirements High performance permanent media(s) Available in two sizes Up to 250 cfm Up to 450 cfm
High H ₂ S level applications	Biotrickling Filters	H ₂ S removal of >99%	Can treat H ₂ S levels up to 500 ppm High performance media(s) Small footprint Low life cycle costs
All applications where total odor removal is required	Dual-stage biofilter	H ₂ S removal of >99% in first stage of the media	Combines biotrickling & biofiltration technologies to treat the most difficult air stream applications Handles variable peaks, shock loads and process upsets with ease Provides long term consistent total odor removal Modular design Water recirculation system reduces wastewater generation and water consumption Automated controls