

## H<sub>2</sub>S REMOVAL

Biorem has a wide range of treatment options for the removal of Hydrogen Sulfide (H<sub>2</sub>S). Whether you are looking for removal of a low air flow, high concentration air stream, a system that can remove total odors with elevated H<sub>2</sub>S 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 <sub>2</sub> S concentrations	Sk Series	H <sub>2</sub> 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 <sub>2</sub> S level applications	Biotrickling Filters	H <sub>2</sub> S removal of >99%	Can treat H <sub>2</sub> 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 <sub>2</sub> 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