

SulfideFix FAQ

Frequently Asked Questions

What is SulfideFix?

SulfideFix is a biology-based technology for removing hydrogen sulfide gas (H₂S) from wastewater tanks. The system utilizes our patented Micro-Aeration technology to eliminate 99.9% of H₂S in the wastewater through sulfate-reducing and sulfur-oxidizing bacteria within the wastewater. [Learn more about SulfideFix here.](#)

Why is H₂S removal from wastewater tanks important? Is H₂S harmful?

Hydrogen sulfide (H₂S) is a dangerous gas that poses significant risk to human health and safety. Known for its strong odor and corrosive nature, H₂S is closely regulated and is naturally formed in wastewater. To ensure safety and comply with regulations, it is crucial to remove this gas.

How does the system fit into the wastewater tank? Do I need a new tank?

Each SulfideFix system is custom built and made to retrofit into any wastewater tank. There is no need to replace existing tanks or infrastructure.

Does SulfideFix work with any wastewater type?

SulfideFix is highly robust and can work with any wastewater that contains carbon and sulfur pollutants. It's highly efficient under most conditions and can handle volume changes and flow variability in the tank.

What is included with the purchase of a system?

A SulfideFix system requires a low capital investment which includes the design, build, installation, and one full year of maintenance, monitoring, and onsite servicing

What is different about SulfideFix vs other H₂S removal technologies

SulfideFix is unique in that it utilizes biology to remove H₂S from the wastewater tank through our patented Micro-Aeration technology. Due to this, it requires no chemicals, produces minimal byproducts, and requires very little energy to operate, unlike other technologies.

What is the saturation point for the biofilm which captures the H₂S?

This is dependent on the surface area of the tank and the frequency of sludge removal.

What is the H₂S concentration range SulfideFix can handle?

SulfideFix is validated for H₂S concentrations up to 300 ppm. The system has worked with H₂S concentration of 1,500 ppm but it is dependent on the surface area of the tank.

What is the installation and start up process of the system?

Our team will measure emissions from your wastewater tank and design and build a system that fits its requirements. The system can be deployed within 3 months and we will come to the site and handle all installation needs. Installation typically takes one day and will be fully operational and effective 72 hours after start up.

Does the tank need to be covered?

Ideally, yes. SulfideFix performs best with slight positive air pressure in the tank. Some reductions in H₂S will be realized without a tank cover, but the efficiency of the system will be lower.

Do we have to take the tanks offline for installation?

Nope! No downtime is needed for the tanks as long as there are manways or access hatches on the top of the tank. The only instance that the tank must be taken offline is if access is only available from a side hatch near the bottom of the tank.

How do your service contracts work?

We provide one year of complimentary servicing for the first year post-installation of your system. This includes any maintenance, repairs, troubleshooting, and cleaning. Since no onsite personnel are required to operate the system, our team will come to you as needed to provide service. Service contracts can be extended following the first year if desired.

Still have more questions?

Reach out to your Aquacycl sales representative or [contact us here](#) and we will be happy to answer any more questions.