

TR-200 Tank Recirculation

FREQUENTLY ASKED QUESTIONS

What is the recommended tank size for use with the TR-200?

The TR-200 is recommended for tanks up to 600 gallons. For larger tanks, increased ozone output or a larger ozone generator may be required to ensure effective circulation and oxidation throughout the entire tank volume.

Will the TR-200 clean tanks that already contain biofilm?

For best results, tanks should be cleaned prior to installing the TR-200. In applications where manual cleaning is not possible—such as closed “donut-style” tanks (e.g., Norwesco)—the TR-200 is an excellent solution for preventing future biofilm growth. While it may gradually improve tank conditions over time, it should be positioned primarily as a preventative solution, especially for new installations.

Does ozone replace a UV requirement?

Local water ordinances and regulations must always be followed. In areas where allowed, ozone can replace UV as a disinfection method. Ozone offers additional benefits beyond UV by oxidizing organic material and inhibiting biofilm growth inside tanks. However, regulatory requirements vary by region, so UV may still be required in some jurisdictions.

What is the maintenance timeline for the TR-200 ozone generator?

The TR-200 features an LED service indicator to help guide maintenance. Under typical operating conditions, maintenance is usually required around one year of service, though high humidity, poor air quality, or demanding applications may require earlier service. Routine inspection ensures optimal ozone production and long-term system reliability.

Can the TR-200 be installed on atmospheric, RO, or well storage tanks?

Yes. The TR-200 is commonly used on atmospheric storage tanks, RO storage tanks, and other non-pressurized water storage applications. Its compact design makes it adaptable across a wide range of storage tank configurations.

Can the TR-200 be used as the sole treatment method for all water quality issues?

No. The TR-200 is a supplemental treatment system designed to improve tank conditions, control biological growth, and maintain water freshness. It is not intended to replace full treatment systems such as filtration, softening, or disinfection required to address broader water quality concerns.

Will the TR-200 work on higher iron loads?

The TR-200 is designed to control organic material, bacteria, and biofilm within storage tanks—not to serve as a primary iron removal system. In applications with higher iron levels, the TR-200 works best in conjunction with proper upstream iron filtration. When iron is adequately filtered before the storage tank, the TR-200 helps keep tanks, pumps, and downstream components cleaner by preventing biological growth and fouling caused by iron bacteria.

Will ozone leave a residual in the water?

No. Ozone is highly reactive and rapidly converts back to oxygen after treatment. This means it leaves no chemical residual, making it a clean, environmentally friendly solution for maintaining tank water quality.

What should the pH of the water be for best results?

For optimal ozone performance, water pH should be 6.8 or higher. If pH falls below this level, ozone efficiency decreases and pH adjustment is recommended prior to installation to ensure effective oxidation and consistent results.

Can an air dryer be used with the TR-200?

Yes—an air dryer is strongly recommended, especially in humid environments. Dry air significantly improves ozone output and consistency, helping protect internal ozone components and extending service life. In high-humidity installations, adding an air dryer can dramatically enhance performance and reliability over time.

How does the TR-200 circulate ozone throughout the tank?

The TR-200 uses a recirculation loop to continuously draw water from the tank, inject ozone, and return treated water back into the tank. This circulation helps distribute ozone evenly, improving contact time and ensuring consistent oxidation throughout the entire tank volume.

Does the TR-200 require special electrical requirements?

The TR-200 operates on standard electrical power. Installers should confirm voltage requirements and ensure the outlet meets local electrical codes.

Why add TR-200 if the water is already treated upstream?

Even treated water can become stagnant in storage tanks. The TR-200 helps maintain water freshness, inhibits biological growth, and protects downstream components—especially in systems with long storage times or intermittent use.