

HydrX™ Fuel Conditioning System Frequently Asked Questions



Do I need a new site to be able to install the HydrX™ Fuel Conditioning System?

No, the Fuel Conditioner is designed to install in most existing sumps. There is a list of sump criteria, including minimum height and diameter, and one spare bung for exchanging fluids. The system will also require minimal wiring for operation and monitoring that will route between the Submersible Turbine Pump (STP) sump and the Automatic Tank Gauge (ATG).



How does the Fuel Conditioning System deal with tank tilt?

The sweep operation mode creates a liquid sweeping motion along the length of the tank floor, which pushes water to the lowest point in the tank. Vacuum mode is then activated, where it will easily pull and filter the water through the Fuel Conditioner.



What ATGs & STPs are supported?

A TLS-450PLUS ATG is required to support HydrX. It does work with Veeder-Root and FE Petro® 4" STPs up to 4HP, provided they have spare ports.



How often will filters need to be changed?

The filters have been engineered for optimal life; however, filter life is directly correlated to the amount of sediment and water in the tank and will vary by site. Typical installations are expected to require one to two filter changes annually. The Fuel Conditioning System will monitor and display anticipated filter life, making maintenance schedules predictable.



What do I do with the removed water?

The wastewater should be added to your oil-water collection system at the site.



Can this system support manifolded tanks or manifolded STPs?

No, manifolded tanks and manifolded STPs are not supported at this time.



Will the Fuel Conditioning System operate in freezing conditions?

Yes, if the pump can recirculate fluid daily, the system will allow for operation in freezing conditions.



Is tank cleaning required prior to installation of the Fuel Conditioning System?

While tank cleaning is not required, it is a recommended best practice prior to installation of HydrX in order to preserve fuel quality, overall tank health, and to provide optimum performance of the system. If a tank is clean to start, the result will be a lower cost of ownership due to less frequent filter replacements, component services, and/or fueling system maintenance.



Are biocides still recommended when the Fuel Conditioning System is in use?

Biocides, while not a recommended component to the Fuel Conditioning System, may be used at the customer's discretion.

For additional information, see [HydrX Fuel Conditioning System Site Inspection Guide](#) and [HydrX Fuel Conditioning System Submittal Form](#). FE Petro® is a registered trademark of Franklin Electric Company, Inc.