

Replacement Instructions

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- Contact TLS Systems Technical Support for additional troubleshooting information at 800-323-1799.

CONTRACTOR CERTIFICATION REQUIREMENTS

Veeder-Root requires the following minimum training certifications for contractors who will install and setup the equipment discussed in this manual:

Service Technician Certification (Previously known as Level 2/3): Contractors holding valid Technician Certifications are approved to perform installation checkout, startup, programming and operations training, system tests, troubleshooting and servicing for all Veeder-Root Series Tank Monitoring Systems, including Line Leak Detection.

TLS-4xx Technician Certification: Contractors holding valid TLS-450 Technician Certifications are approved to perform installation checkout, startup, programming and operations training, troubleshooting and servicing for all Veeder-Root TLS-450 Series Tank Monitoring Systems, including Line Leak Detection and associated accessories.

Warranty Registrations may only be submitted by selected Distributors.

SAFETY WARNINGS AND PRECAUTIONS

FAILURE TO COMPLY WITH THE FOLLOWING WARNINGS AND SAFETY PRECAUTIONS COULD RESULT IN SERIOUS INJURY OR DEATH, AND/OR CAUSE DAMAGE TO PROPERTY, AND THE ENVIRONMENT.

THIS SYSTEM OPERATES NEAR HIGHLY COMBUSTIBLE FUEL STORAGE TANKS.

EXPLOSIVE: Fuels and their vapors are extremely explosive if ignited.

FLAMMABLE: Fuels and their vapors are extremely flammable.

READ ALL RELATED MANUALS: Knowledge of all related procedures before you begin work is important. Read and understand all manuals thoroughly. If you do not understand a procedure, ask someone who does.

USE SAFETY BARRICADES: Unauthorized people or vehicles in the work area are dangerous. Always use safety cones or barricades, safety tape, and your vehicle to block the work area.

APPROVED CONTAINER: Use a nonbreakable, clearly marked container, suitable for collecting and transporting hazardous fuels during service.

NOTICE: NOTICE is used to address practices not related to physical injury.

GENERAL PRECAUTIONS

To ensure proper installation, operation, and continued safe use of this product:

1. Read and follow all instructions in this manual, including all safety procedures, local and federal guidelines.
2. Have equipment installed by a contractor trained in its proper installation and in compliance with all applicable codes including: National Electrical Codes 70 and 30A; federal, state, and local codes; and other applicable safety codes.
3. Substitution of components may impair intrinsic safety.
4. Do not modify or use service parts other than those provided by Veeder-Root.

Reference Documents: Manual 577014-466, 577014-446

Suggested Equipment: V-R kits# 330020-868 (filters) and 330020-879 (filter cap o-rings); petroleum jelly; 1/2" drive ratchet and extension.

PROCEDURE**NOTICE** Tag, Lockout power to the STP.

1. Close STP Adapter ball valve to isolate the Fuel Conditioner unit from the pump (see Figure 1).
2. Using a 1/2" drive ratchet and extension remove both of the two filter caps. Check the o-ring in each cap. If o-ring replacement is necessary, coat the new o-ring with petroleum jelly and insert in the underside groove of the filter cap. Set caps aside.
3. Lift filters by the hinged ring in their top, out of their housings and discard.

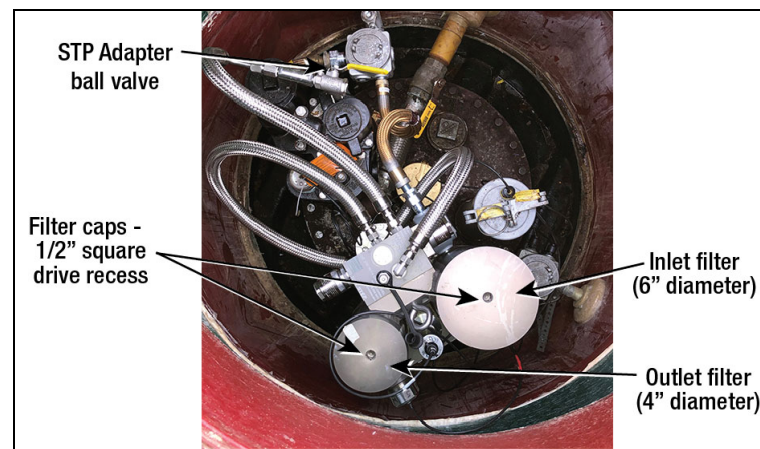


Figure 1.

4. Allow fluid in the filter housings to drain back into the UST before proceeding.
5. Align the 6" diameter Inlet filter with the recess in the bottom of the Inlet filter housing and lower it into the housing, pushing down firmly on the filter to seat it.
6. Align the 4" diameter Outlet filter with the recess in the bottom of the Outlet filter housing and lower it into the housing, pushing down firmly on the filter to seat it.
7. Replace the filter caps and tighten each cap with the 1/2" drive ratchet until snug.
8. Turn on power to the STP.

9. Re-open the pump STP Adapter ball valve (see Figure 1).
10. At the Fuel Conditioning Controller front panel, touch the Service button to open the Service Home screen (see Figure 2).
11. Touch the New Filter button to refill the Fuel Conditioner filter compartments with fuel from the tank and reset the filter End of Life counters (see Figure 3).

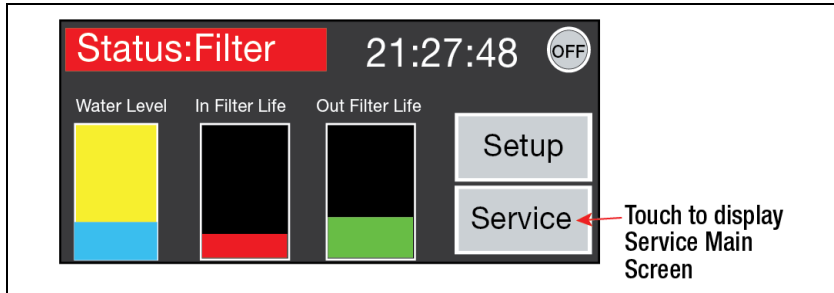


Figure 2.

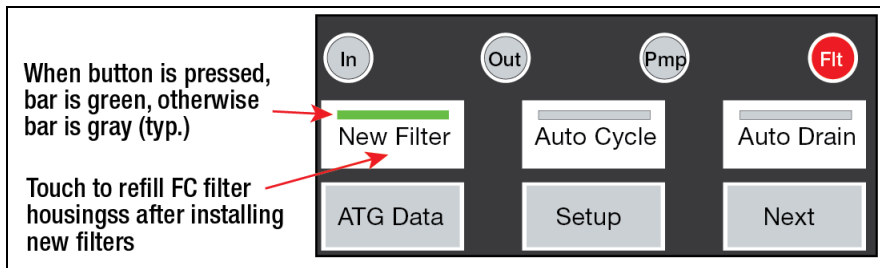


Figure 3.

For additional assistance, please contact Veeder-Root Technical Support by phone at 800-323-1799 or by email to technicalsupport@veeder.com.