

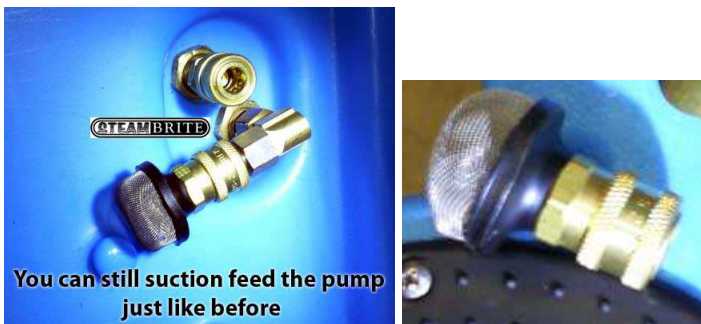
20130329 Kit Installation Instructions

Your kit comes with:

- 1x – 5 ft of 1/2" ID 200 psi, 200 degree garden hose
- 2x – 1/4" Mip X 1/4" Female Socket flow through QD
- 2x – 1/2" Mip x 1/2" Barbed connector
- 1x – 1/2" Fip x 1/2" Fip Y filter strainer
- 1x – Acorn filter adapter fittings
- 1x – Faucet connection fittings and hoses

Instructions for installation to your machine:

1. Gather all materials. You will need a 5/8", 3/4", and 7/8" wrench *or* an adjustable crescent wrench; a flathead screwdriver; a utility knife; and Teflon tape. Wrap all male threads of fittings with Teflon tape until you have 3 to 4 layers of tape on the threads.
2. Modify acorn strainer filter in your freshwater tank.



- 2.1. Open your fresh water tank and unscrew the acorn filter inside. It should unscrew by hand fairly easily.
- 2.2. Take one of your 1/4" open flow female qds with 1/4" male threading and screw into the female threading of the acorn filter. You should be able to hand tighten all the way. Do not use tools or you may strip the plastic threading on the filter. Set aside for now.
- 2.3. Wrap Teflon tape around the exposed 1/4" male threads where the acorn used to reside in your fresh water tank. Then take your acorn filter adapter fittings from

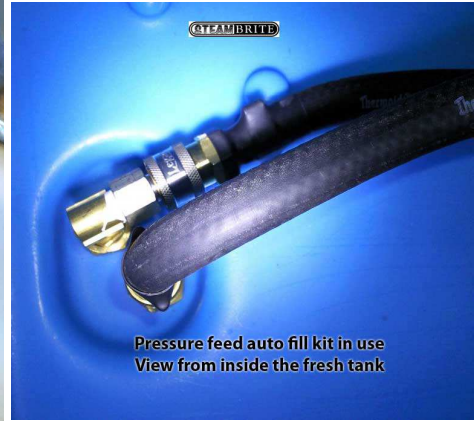
the kit (includes 3 fittings in an L shape with the open flow quick disconnect) and secure to the Teflon-wrapped fitting. You should be able to secure by hand but may need to use the 5/8" wrench to secure just a quarter to half turn past hand tightness. You want these fittings to face forward in your tank toward the external wall. (If you have a Nautilus unit, you will need an adapter to reduce the 3/8" male thread to 1/4" male thread before you can screw on the adapter.)

- 2.4. There should be another port near the acorn filter port in your freshwater tank. You will want to screw your second 1/4" open flow female qd x 1/4" male threads into this port. Tighten unit a half turn with a 3/4" wrench. (If you have a Nautilus unit, you will need an adapter to reduce the 3/8" hole to 1/4" first.)
- 2.5. For now, secure your acorn filter to the acorn adapter fittings using the quick disconnects.

3. Modify the inbound water hose to your pump.

- 3.1. Open up your extractor to the motor and pump cavity. There should be a clear hose reinforced with wire the runs from the fresh water tank to the inbound port of your pump (if not, trace the hose from the acorn filter port to the inbound port on the pump—that is the hose you will modify).
- 3.2. Use your screwdriver to loosen the clamps on the hose from both ends and remove it from the cavity. Lay this hose next to your provided 1/2" hose with no fittings and cut it down to a similar length to avoid it taking up too much space in the unit. Then select an area in the center of that length and cut it.
- 3.3. Insert one 1/2" male thread x 1/2" barbed connector into each piece of new hose, then secure using the clamps from the old, reinforced hose. Now take your Y filter strainer and secure it to both fittings using the 7/8" wrench.
- 3.4. Take the remaining two hose clamps from the old hose and secure the new hose with filter to the acorn filter port under the fresh water tank and the inbound port on the pump. Ensure water will flow through the filter the correct way by looking for the arrow on the Y-filter and ensuring it points toward your pump.

Presto! You are finished installing your new kit.



To use your unit as a pressure fed system, simply remove the acorn filter by uncoupling the quick disconnect, then attach the quick disconnect ends of your hoses from the faucet adapter to the ports inside the fresh tank. Then secure your garden hose connection to a nearby garden hose or faucet and ensure that the thermal release valve is pointed down into a sink or similar drain. Turn on the water and you now have a pressure-fed system that will give you more psi and hotter water!

To use your unit as a suction fed system, simply remove the two hoses by uncoupling the disconnects and attach the acorn filter to the adapter qd. Fill your fresh tank with water, and you have a ready to use suction-fed unit!