Installing The Electronic Fill Valve Kit

1. Float Switch Assembly (not to scale)
2. Fill Valve Assembly
3. 24V Transformer
4. 2-#10 Hose Clamps
5. 8-3/4" Phillips Screws
6. 3-Wire Clips
7. Two-Holed rubber Grommet
8. 5/8OD x 14" Clear Tubing
9. Wiring Harness

1. Using a pipe or shower wrench, unthread the 3" ABS fitting on the outside of the tank, which is the greywater inlet. Lift the filter housing out from the upper portion of the Brac tank. **Fig.1**
2. Remove the two (2) Robertson screws from the float rod guide's flange. Remove the upper brass stop from the float rod, and then loosen the lower brass stop. **Fig.2**
3. Loosen the hose clamp with the nut driver and remove hose from the plastic elbow that is for the fresh water make-up, located on the side of the tank. **Fig.3** Some models will have a brass fitting instead of the plastic elbow. **Fig.7**
4. Using the ¼" wrench and #2 Robertson screwdriver, remove the three (3) stove bolts fastening the fresh water fill valve to the side of the tank. **Fig.4.** For the **Gen2** W-Series, the water fill valve assembly is located on the black disc and requires the removal of two screws.
5. Remove the fresh water fill valve assembly from the upper portion of the Brac tank. Remove the lower brass stop and float rod guide from the float rod. **Fig.5**

6. Clamp vise-grips onto the float rod 12” down from the top (this will make unthreading the float rod from the float ball much easier). Lift the float rod up until the float ball is near the 4” opening in the black disc. Using one hand to hold the float ball and one hand on the vise-grips, unthread the ball from the rod and remove both from the upper portion of the Brac tank. **Fig.6**
7. Slip a hose clamp over the supplied clear tubing and insert the tubing over the barbed side of the MIP x PEX adapter. Tighten the hose clamp. **Fig.7** Note: Some models will have a brass fitting instead of the plastic elbow.
8. Drill a 1” hole in the black disc close to, or over top of, where the float rod guide hole is. Make provisions to prevent any shavings from falling down into the lower portion of the Brac tank while drilling. **Fig.8**
9. Drill a 1½” hole in the black disc close to, or over top of, the existing hole where the ½” grey PVC pipe went into. Insert float switch assembly into the 1½” hole and secure with three of the ¾” screws provided. **Fig.9**
10. Slip the other hose clamp over the open end of the clear tube and insert the tubing over the barbed end of the MIP x PEX adapter on the fill valve assembly. Tighten hose clamp. Using two of the ¾” screws provided, secure the fill valve assembly to the black disc. Be careful not to impede on the space required for the filter housing. **Fig.10**
11. Reinstall filter housing into upper portion of the Brac tank and secure in place with the 3” ABS threaded fitting making sure to reapply Teflon tape or thread sealant to the threads.
12. Feed the wiring harness through the existing electrical cord hole in the side of the tank and make the connections for the float switch and fill valve assemblies. Use the ¾” screws provided to secure the wiring harness to the black disc. **Fig.11**
13. Feed the pump’s electrical cord through the same hole as the wiring harness and install the two-holed rubber grommet. **Fig.12**
14. Connect the two open wires from the wiring harness to the supplied 24V transformer following the diagram on the transformer packaging.

Fig.1

Fig.2

Fig.3

Fig.4

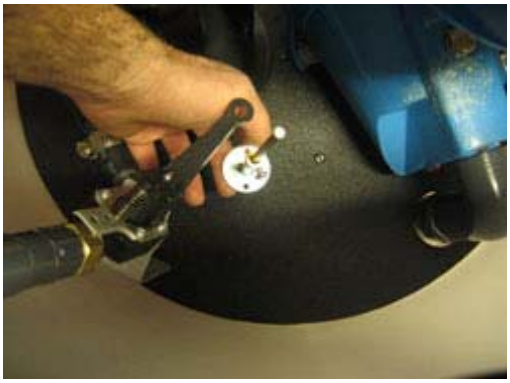

Fig.5

Fig.6

Fig.7

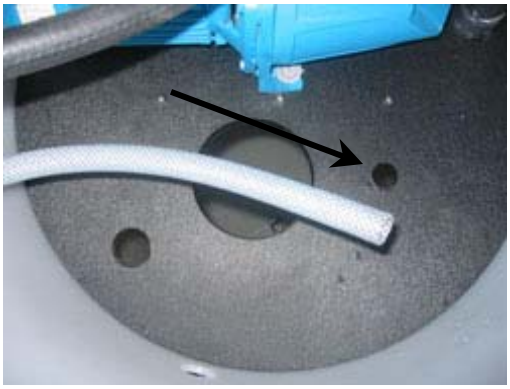

Fig.8

Fig.9

Fig.10

Fig.11

Fig.12