PRESSURE FILTER INSTALLATION & SERVICE INSTRUCTIONS

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INSTALLATION:

When installing an STF-100, screw filter into discharge port of any pump that has a 2" National Pipe Thread. Pumps with a smaller discharge port may be adapted to fit. When installing an STF-100A2 a tailpiece and male adapter will need to be added to the inlet end of the filter (end opposite of the cap) to the desired height and a 2" union will need to be added to the outlet end (the end closest to the cap & on the side of the filter). Always install the filters in a position where they can be easily serviced. **Always use caution when starting threads to avoid cross threading**. Plumb force main into the 2" sch 80 PVC union. **We recommend that the union remain together during gluing to insure that glue or cleaner does not ruin O-ring or sealing surface**. For best performance, if a check valve is installed it should only be after the outlet of the filter.

SERVICE:

Service of filter screen is dependent on usage as every system is unique. For most residential systems we recommend inspecting the filter within the first year to determine the necessary service intervals for the filter. In high volume systems we recommend inspection within the first 6 months to determine necessary service intervals for the filter. Once the service interval is determined it should be consistent unless something changes in the system. Always inspect the filter screen for any damage or corrosion and replace if necessary. If our STF-101 service alarm switch has been installed and adjusted properly it will alarm when the filter requires service. It should be serviced no less than when periodic pumping of the septic tank and pump chamber is performed. Servicing will be more frequent if using any one of our optional filter socks (600 micron, 150-190 micron, and 100 micron). Check your local health department for septic system servicing recommendations.

If the screen becomes clogged before the periodic pumping requirements, a high level alarm or light will indicate the need for service. If system is equipped with a "pump on light" that stays on longer than normal, this also may indicate a need to service filter.

To service filter screen, unscrew the 4" cap. Pull filter screen from canister and wash out thoroughly in appropriate location with proper protection. In some cases an additional filter screen allows quicker service allowing the dirty filter to be washed later at the shop. *Note that in cold conditions the filter cap may be difficult to remove. Keep the filter in a warm area or pour warm water over the cap before removing. Once the filter is installed in the tank it maintains a stable temperature and removing the cap will not be a problem.*

If the system is equipped with our Service Alarm Switch, the filter screen does not need service until the Service Alarm Switch activates a light or audio alarm. We still recommend that the filter be inspected once a year for damage or corrosion.

NOTE: The total dynamic head loss of the system must be increased by 0.5 feet of head to overcome friction loss through the filter.

SERVICE ALARM SWITCH

The alarm switch is available in three pressure ranges, low head, medium head, and high head. Installation is simple, on SIM/TECH FILTER systems, remove ¼" plug from base of filter chamber and connect tube fitting. Next, run the tube up into the tank riser and connect to service alarm switch. The alarm switch is fastened to the side of the riser via the nylon strap provided. Run alarm wire to alarm box. The service alarm switch can be wired with its own alarm or with the high water alarm.

Pressure adjustment is made by removing the end plug, and inserting the 7/32 allen. Clockwise increases pressure. One turn equals approximately 3 PSI. The low head alarm switch comes factory preset at 8 PSI and is completely field adjustable within it's range (3 to 24 PSI). *We recommend the use of a ball valve when using an alarm switch. Once you have installed the filter and alarm switch, the ball valve can be closed off to simulate a plugged filter so that you can make sure the alarm switch is working correctly.*

****TRY OUR LID/SCREEN REMOVAL WRENCH. Our wrench holds filter lid firmly and hooks screen for easy removal and installation. Made of PVC plastic.

WARRANTY

All products are warranted against defects in material and workmanship for a period of two years from the date of purchase. In no event shall GAG SIM/TECH FILTER, INC. be liable for any consequential damages or any labor, material, freight or expenses required to replace, correct or reinstall the product. GAG SIM/TECH FILTER, INC.'s liability is limited to repair or replacement of the part. All warranties are void if the product has been improperly modified, applied or installed, subjected to misuse or abuse. Except as stated herein, there are no warranties expressed or implied, including the warranty of merchantability or warranty of fitness for a specific purpose. EFFECTIVE September 13, 2005