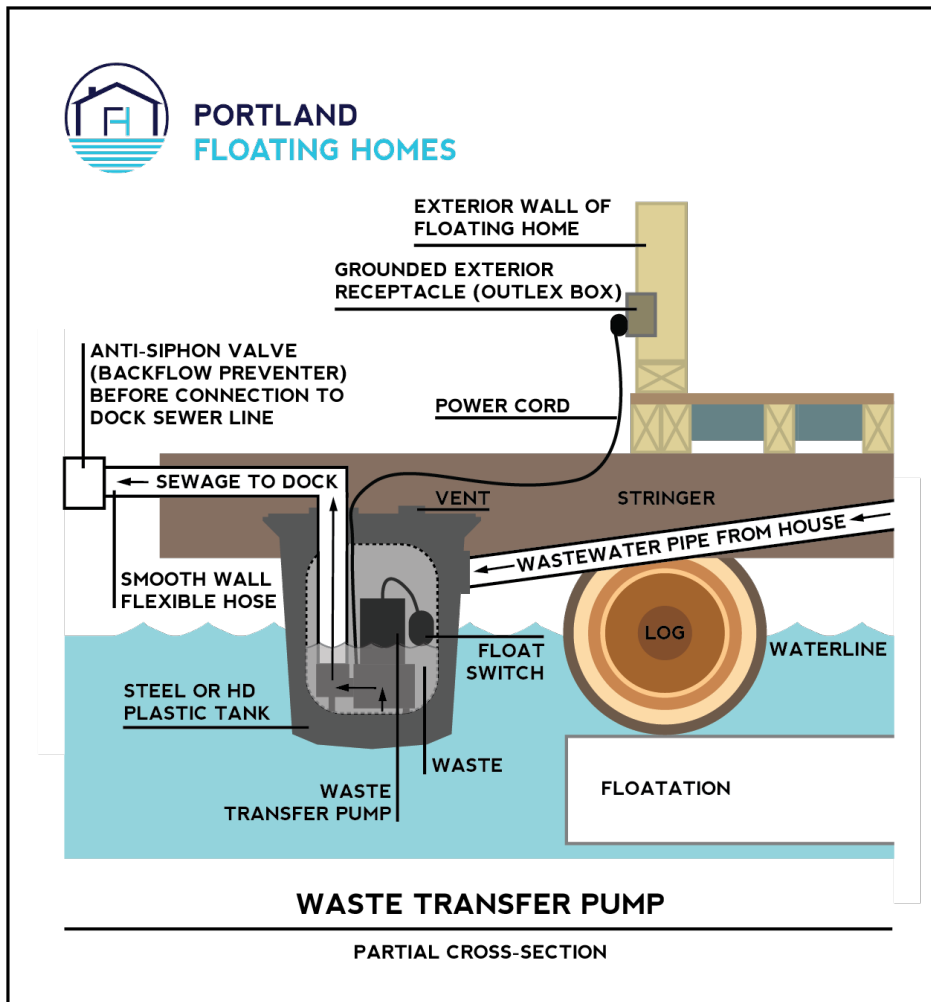




## WASTE TRANSFER PUMP

Floating homes have all the amenities that homes on land have. Many of the mechanical systems are identical. There is one way in which floating home systems differ than a typically city home on land and that is its sewage disposal system. On a floating home, this system is called a waste transfer pump (historically known as a “honey pot” or “macerator”). Each floating home has their own tank which captures wastewater from the home and then, as it fills to a certain level, the float switch bobs and activates the pump which pumps the wastewater out of the tank and to the sewage collection pipe at the dock.



### MAINTENANCE TIPS:

- Do not let your waste transfer system sit for long periods of time without running. **Run your pump every 2 weeks.**
- To keep your system operating well, it is recommended to **clean the tank at least twice a year** by washing down and breaking up the sludge inside of the tank. This can be done with a garden hose and spray nozzle by spraying the sides, starting the bottom, and allowing the system to pump the water out until clean.
- **Twice a year, flush a biodegradable sewage liquifier** such as SeptiClear Super Pack Bacteria down a toilet in your home. This process introduces enzyme-bacteria into your holding tank which digest and help breakdown fats and solids that settle in the bottom of the tank. If you notice a smell each time your pump kicks on, a product like this will help reduce odors and move more waste out of your tank.

- Some brands of septic pumps can be sensitive to certain household cleaners, chemicals and acids. Familiarize yourself with what brand and model of pump your system has and check with the manufacturer to make sure products like Lime-Away and Bar Keepers Friend are safe.

PUMP MAKE: \_\_\_\_\_ PUMP MODEL#: \_\_\_\_\_

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Typically, the homeowner is responsible for the maintenance of the system from the house to the connection point at the dock, and the moorage owner is responsible for the system from the dock connection point to its treatment location or to the city sewer system, depending on your marina.

| TROUBLESHOOTING YOUR WASTE TRANSFER PUMP         |   |  |
|--|---|--|
| PROBLEM  | POSSIBLE CAUSES   | HOW TO CORRECT   |
| If the pump does not start or run                | Pump is not plugged in, switch or breaker is off.                           | Plug in pump or turn on switch/breaker   |
|  | Check for blown fuses or tripped circuit breakers or tripped GFCI outlets   | Replace fuse, reset breaker, reset GFCI outlet   |
|  | Float switch is defective   | Check and replace (bypass float switch to test)  |
|  | The motor thermal protector is tripped                                      | Allow pump to cool. Pump will reset  |
|  | Float switch is stuck or obstructed   | Remove obstruction or position pump so it will not become stuck  |
|  | Worn out or defective pump  | Replace pump, (bypass float switch to test)  |
| Tank won't drain or is over-flowing              | If the pump is running, you may have a plugged outlet line or pump          | Clear discharge line from tank to dock or clear pump impeller (dirty job)  |
| The pump starts and stops too often              | Backflow of water from discharge hose/pipe                                  | Install backflow valve or check/replace valve  |
|  | Float switch is defective   | Replace float switch   |
|  | Leak in somewhere inside floating home system causing water to fill up tank | Check for leak (toilets, faucets, etc.) and repair leak  |
|  | Leak in tank causes river water to fill up tank                             | Check tank and fix leak in system  |
| If the pump runs but moves little or no water    | Clogged discharge hose/pipe   | Remove clog  |
|  | Frozen discharge hose/pipe  | Allow hose/pipe to thaw  |
|  | Pump is airlocked   | Remove   |
|  | Low line voltage  | Check wire size and increase if necessary  |
|  | Check valve is stuck in the closed position                                 | Inspect, repair or replace if necessary  |
|  | Check valve is installed backwards  | Make sure valve is installed in the correct direction of flow  |
|  | Worn damaged or clogged pump parts  | Inspect for wear, damage or clog, and clean or replace if necessary  |
|  | Discharge head exceed pump capacity   | Check the performance specifications on your pump to ensure that the discharge height does not exceed the limit of your pump |
| Pump does not shut off (even when tank is empty) | Float switch is obstructed or stuck   | Remove obstruction   |
|  | Defective float switch  | Replace switch (bypass float switch to test)   |

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