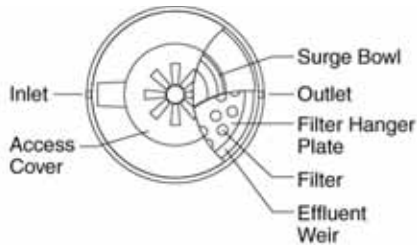


KNOW THE FACTS!

HOME AERATION UNITS – MULTI-FLO

Illustration of your Unit

You currently live in an unsewered area of Hamilton County. The waste from your house is treated by a home aeration unit. These units come in many shapes and sizes. They are sometimes referred to as “cavitettes.” Cavitette is the brand name of one aeration unit used in our county. The other brands used are: Coate Aer, Jet, Multi-Flo, Norweco, and Oldham. Although aeration units have different brand names, the principle of operation is basically the same; air injected into sewage provides agitation and oxygen which allows bacteria to reduce organic waste to carbon dioxide and water.



Treatment Process

A properly operating home aeration unit will produce a clear, sanitary effluent. The following process is used.

Primary

(Pre-Treatment/Settling) There is no separate pretreatment chamber in the Multi-Flo system. Aeration, clarification and filtration are completed in one tank.

Aeration

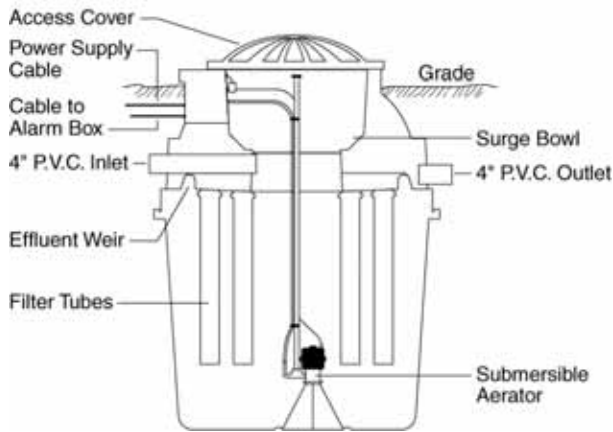
Raw sewage from your home flows directly to the aeration chamber. There injected air provides agitation and oxygen to aerobic bacteria which reduces organic matter in the wastewater.

Clarification/Filtration

During clarification fine suspended particles are removed from the aerated sewage. In the Multi-Flo this is accomplished using an array of fabric filter tubes. Suspended particles collect on the upstream side of the filter tubes and face back into the mixing (aeration) zone of the chamber. Clear effluent discharges from a weir which collects the filtered water.

Disinfection

Chlorine tablets stored in one or two tubes in a separate container, provide disinfection for units fitted with a chlorinator.



KNOW THE FACTS!

MOLD AND MILDEW (cont.)

Care of your Unit

Your Multi-Flo is a 500 gallon per day treatment plant. Read the manual for your Multi-Flo system. To receive a copy contact:

Waste Treatment Systems, Inc.
1336 Stanley Avenue, Franklin, Ohio
45005

Lids - Your unit has one lid which must be installed at grade. Lids must be accessible and secure. Be sure the latch or securing mechanism functions. Remove lid from your unit and check the following:

- air bubbles-Indicate that aeration is taking place
- color-Liquid should be brown
- submersed Pump-Pump should run continuously 24 hours per day
- filter Sock-Do not remove and/or clean filter socks. Contact a trained maintenance contractor
- replace lid

Discharge Point - Check the discharge point. If discharge effluent is not clear, or black/grey matter is deposited at the discharge point, call a service contractor. Aeration unit discharge points are not appropriate play areas for children even when systems are operating properly.

Managing your Unit

Sewage tank pumpers must be registered with the Health District. The principle purpose of tank pumping is to remove sludge. You may want to be present at the time of pumping to insure all sludge and wastewater is removed. Contracted repairs must be performed by registered professionals. To receive a list of registered pumpers and contractors call the Health District at 513/946-7862.

*For more information, please contact
the Water Quality Division at
513.946.7862, or visit
www.hamiltoncountyhealth.org*



PREVENT. PROMOTE. PROTECT.

250 William Howard Taft Road, 2nd Floor
Cincinnati, OH 45219
Phone 513.946.7800 Fax 513.946.7890
hamiltoncountyhealth.org