The WaterFixer Company

Model 500/1000 - Filter Maintenance Instructions

Understanding the WaterFixer's filters and when to replace them:

The WaterFixer's germicidal effectiveness depends upon clear water passing through the UV chamber. When the water is clouded with sediment or particulates these tiny bits of debris may form a shield behind which bacteria & viruses can hide from the ultraviolet light. To be sure that the water **IS** clear before it enters the UV chamber, proper filtration is needed.

Model 500

This system utilizes a .5 micron mesh and carbon block filter which has the capabilities of removing sediment, taste, odor, and color from the water. More importantly, it removes Giardia lamblia and Cryptosporidium cysts, THMs (chlorine and carcinogenic chlorine byproducts), certain VOC's, and many other harmful contaminants which are not vulnerable to ultraviolet light. Depending upon the condition of the original water source and the effectiveness of the prefiltering, this .5 micron filter should be replaced at least twice a year. If the water source is very polluted and contains larger than usual amounts of sediment, the .5 micron carbon filter will lose its effectiveness much more quickly. You may also substitute a 1 micron absolute High Flow filter. Do not exceed the 1.5 gpm rating when using this filter.

Model 1000

The first stage is composed of a 5 micron pleated filter. This filter is relatively inexpensive so that, depending upon the turbidity of the water source, it may be replaced frequently, or as needed. Pleated Filters w/blue caps may be cleaned 2 times. The purpose of this filter is to catch and remove sediment and debris from the water. The pleated filter thereby prolongs the effective life of the second filter. In High Flow filter kits the 1st stage will be a 5 micron carbon filter.

The second stage of the filtration system is a .5 micron mesh and carbon block filter. This special filter has the capabilities of removing any remaining sediment, tastes, odors, and color from the water. More importantly, it removes Giardia lamblia and Cryptosporidium cysts, THMs (chlorine and carcinogenic chlorine byproducts), certain VOC's, and many other harmful contaminants which are not vulnerable to ultraviolet light. Depending upon the condition of the original water source and the effectiveness of the pre-filtering, this .5 micron filter should be replaced at least once a year. If the water source is very polluted and the pre-filter has not been replaced frequently, the .5 micron carbon filter will lose its effectiveness much more quickly. In High Flow filter kits the 2nd stage will be a 1micron absolute pleated filter.

Do not exceed the 4gpm rating when using the High Flow Filter Kits.

Determining Need for Filter Replacement

Restricted water flow is the easiest way to determine the necessity of replacing the .5 micron carbon filter. Remember that unless replacement filters are .5 micron filters or 1 micron high flow filter they will not remove the particles which may render the ultraviolet light ineffective. It is extremely important that you do not substitute a less effective filter for the .5 micron filter or 1 micron High Flow filter.

Model 1000: As a rule of thumb, the 5 micron pleated filter will need to be replaced or cleaned 2-3 times more frequently than the .5m or 1m high flow filter.

Re-usable 5micron Pleated Filters with Blue or White Caps: To clean your re-usable pleated filters: **1st**, rinse off filter with garden hose or sprayer. **2nd**, soak in a solution of 1/2 cup granular dish detergent to 2.5 gallons of water for 1 hour. **3rd**, rinse well and place back in the filter housing. You can clean and re-use this pleated filter 2 times

Replacing the filters:

If you have any open cuts or abrasions, you may wish to wear rubber gloves for this procedure, as there is a high risk that the bacteria your filters have removed from the water may be growing inside the outer chamber of the filter housing. ***Disconnect power source to unit***! Turn off incoming water source to unit and open any faucet. Place a receptacle to catch draining water, then unscrew each filter housing and let water drain from the stainless steel chamber. Remove old filter and, if needed clean the filter housing with any antibacterial soap. Place the new housing gasket into the recessed groove along the top of the filter housing. Next, place the new filter into the housing so that the filter fits onto the plastic "guide nipple" at the bottom of the housing. Then simply line up the base of the hosing with the lid, and screw it on with a moderate amount of torque. We specifically call for a moderate amount of torque to be applied due to 90% of calls about leaking filter housings have been due to over tightening and cracking the top of the hosing due to too much torque. When finished, turn on the incoming water source to the unit and check for leaks between the cap and body of the housing. If there are no leaks, you may restore power to the unit and continue enjoying the quality of water you have come to expect from the WaterFixer.