

# INSTRUCTIONS FOR USE

## Model SP161

Congratulations on your purchase of the revolutionary Sawyer Gravity-Powered Filtration System. Please review the instructions and precautions below to make sure you receive the ultimate benefit from your filtration system.

- Do not let your filter freeze. This could damage the filter housing or the fibers themselves.
- Do not let your filter or reservoirs be exposed to excessive heat, greater than 115 degrees (i.e. in a hot car)
- Keep your vessels in the shade to minimize any sun exposure and heating of the water.
- Avoid using treated tap water if possible. Chemical treatments can leave a residual taste in the vessels. Do not use sports drinks or store anything other than water in your clean vessel.

- (A) 2-liter Dirty Water Reservoir with Cap
- (B) Filter Hose (with 90-degree fitting on both ends)
- (C) 0.1 Micron Biological Filter
- (D) Faucet Adapter

The color-coding makes it easy: GREY means untreated water; BLUE means filtered water.

- Attach 90-degree Fitting on Filter Hose to the GREY side of the Inline Filter by clicking it to fasten.
- Unscrew Cap from the Reservoir and put aside.
- Fill Reservoir with untreated water source. (You can either use the reservoir to scoop water into the bag via the opening, place the opening under a running water source, or use any device for scooping and filling the bag through the opening (cooking pot, coffee cup, etc.)
- Re-attach Cap to Reservoir.
- Hang Reservoir from a convenient tree branch, or place on a rock, etc., approximately 3 feet above your clean water receptacle (water bottle, hydration pack, cooking pot, etc.).
- Attach Filter Hose to Reservoir by clicking 90-degree Fitting into the Bag attachment.
- Place BLUE side of Inline Filter into your clean water receptacle (water bottle, etc.).
- After you have filled up your receptacle, the filtering process is complete, unsnap the hose from the bag.
- Remove the Filter Hose from the filter and drain the hose. The filter hose and filter can now be stored.
- You are now able to safely use the clean, filtered water.

- As with ALL soft sided water containers, certain beverages/drink mixes and/or waters (including some tap waters) may impart a taste onto the sidewalls of the container. If this occurs, dissolve 4 tablespoons of baking soda into 2 liters of warm water and place in container and let soak for an hour. Then rinse with clean water.

Repeat if necessary. **DO NOT RUN THE SOLUTION THROUGH THE FILTER.** (While not harmful to the filter, it will need to be backwashed if solution is passed through it.)

### **Cleaning (Backwashing) the Biological Filter:**

The Biological Filter's flow will start to slow down after use; this is normal. The quality of the water will greatly determine when this will happen. To extend the life of the filter, periodical backwashing is suggested.

- Remove Biological Filter from its application.
- Insert the female quick release fitment on the Faucet Adapter (B) to the Outbound side of the filter (blue male fitment) Remember you are reversing the normal flow direction with this process.
- Attach the faucet end of the adapter (B) to a faucet that is known to be of good quality water.
- Slowly turn on the faucet until a small stream comes out of the filter (you may need to hold the faucet adapter on the faucet).
- Let the water flow for about 20—30 seconds after water runs clear.
- Remove the faucet adapter tube from the Filter.
- Reinstall the Biological Filter being careful to properly align the flow direction of the filter to the direction of the water flow.
- The filter can be manually backwashed in the field without the faucet adapter by applying body weight onto a soft-sided, clean water reservoir and reversing the flow through the filter. Remove the inlet hose to the filter and backwash at least 16 oz. (500ml) of clean water through the filter. Backwashing must be accomplished using at least 2 PSI greater backwash pressure than the pressure that was used for prior filtering.

### **Sanitizing the Biological Filter:**

- Prior to long-term storage, or after extended use, the Biological Filter may be sanitized by adding a cap full of chlorine bleach to one quart of clean water, then passing it through the Biological Filter unit by squeezing on the bladder. Wait 20 minutes then drain the water from the Filter and hoses. Let air dry.