How to Become a Clean Water Ambassador

Prior to the trip

1. Make contact with an organization that will successfully deliver the filters to those in need. We suggest contact with non-profits, churches, schools, etc. that will properly handle the filters. Make contact and find out:
   - Do they have an issue with drinking water that isn't clean and subsequently makes people ill? The water might be dirty year round or seasonally (for example, when it rains and there is runoff). Adults may be fine but children are more susceptible to illness. The most common symptom of waterborne disease is diarrhea.
   - Is there a reliable person who can receive the filter and be trained on maintenance of the filter?

2. Schedule a time (at least an hour) and place where you will teach them the proper use of the filter. It is best to arrange to have a group present that you can train. They need to provide a container or bucket of at least 20 liters (5 gallons) in size. Avoid using a container that previously stored chemicals or paint.

3. Order necessary quantity of filters from Clean Water Ambassadors Foundation. Each filter assembly weighs 6.5 ounces and the filter fits in the palm of your hand.

4. Practice demonstrating filters (view http://sawyer.com/videos/bucket-filter-assembly-maintenance/).

While in the country

1. Deliver filters to the distributor and properly train them on how to install, use and maintain filters in order to maximize 5 year operating life.

2. Take video/photos of delivery, note where and how many people will be impacted.
   - Picture ideas – people watching you assemble filter, people drinking water, people watching demo, people carrying buckets to collect water, candid pictures of around the non-profit or village.

3. Leave distributor with your contact information so they can send you testimonials and pictures. Make sure to get their email, address, and/or telephone if available so that other travelers may deliver filters to them in the future.

Filter training tips

1. Starting at least 1½" from the bottom of the bucket, drill hole and smooth rough edges. You can do this by power drill or hand. You can also bring a screwdriver handle with you to insert the drill bit into, making a hand drill that can be left with your contact.

2. Bring clear plastic picnic cups for demos.

3. Make sure the filter is tightly attached to bucket. If it's not, water will drip from washer into the clean water container below. Also make sure water isn't leaking where the filter screws onto hose. Over time, there may be a slow drip from washer, so place the receiving container a few inches out, so that drips can't fall into clean water.

4. Tighten the nut on the inside of bucket to prevent leaking.

5. Teach people to unscrew the cap, rather than using the sport-cap because fingers contaminate the spout.

6. In hot climates, tell people to separate the two sections of the cleaning syringe and store on a high, cool place (shelf in kitchen, etc.). Once a month they should soak the syringe in a diluted solution of bleach and water. This will kill bacteria that may have formed.

7. Hang the filter in the off position on the rim of bucket. Also, use a piece of cloth (t-shirt, etc.) to pre-filter muddy water.

8. Teach people how to maintain the filter. Point out the arrow and how dirty water goes in one end and clean water comes out the other end. Put the clean water cup on a table and draw the clean water up with the syringe. Next, turn away to back flush so dirty water doesn't spray into the clean water.

Sawyer filter assembly

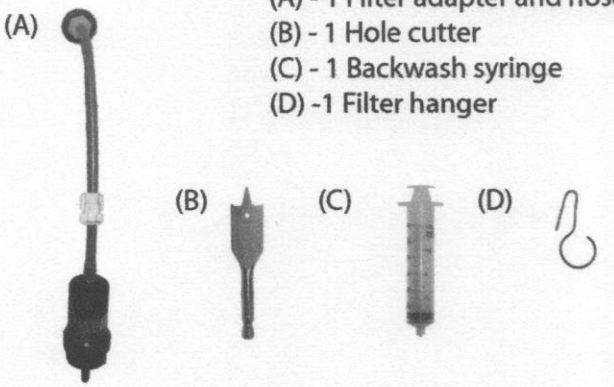
See next page and/or view http://sawyer.com/videos/bucket-filter-assembly-maintenance/).

SAWYER®

PointONE Filter™ Instructions - SP180
visit www.pointonefilter.com to watch assembly video

Step 1- Verify Assembly Kit Contents

(A) - 1 Filter adapter and hose
(B) - 1 Hole cutter
(C) - 1 Backwash syringe
(D) -1 Filter hanger



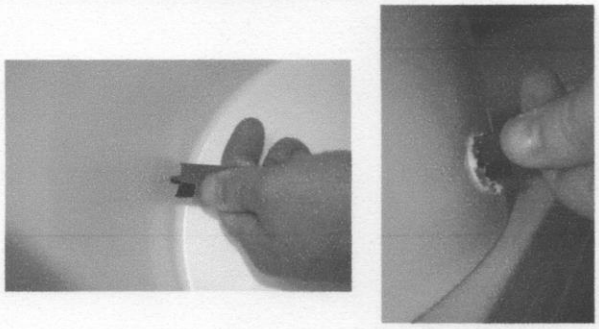
Translation:

Step 2- Find a "clean" bucket

Do not use a bucket/pail that previously stored poisonous chemicals. If possible bucket should be food grade i.e. should have had a food product in it before.

Translation:

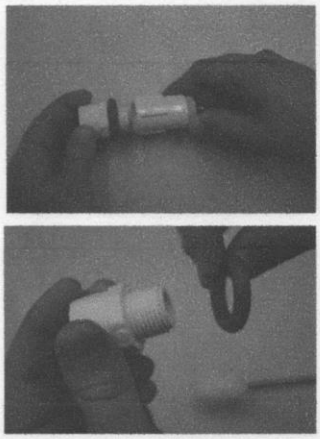
Step 3- Drill a hole in the bucket



POWER DRILL NOT REQUIRED. THIS CAN BE DONE BY HAND. Drill a 22 mm (13/16") hole in the side of the pail by twisting the hole cutter (B) about 38 mm (1.5") from the bottom of the bucket. This height will prevent sediment from entering the filter.

Translation:

Step 4- Prepare the adapter

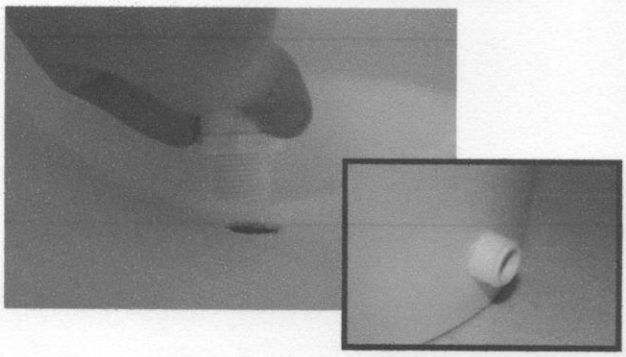


Unscrew the male adapter from the female adapter then remove the o-ring from the male adapter.

Translation:

PointONE Filter™ Instructions Continued...

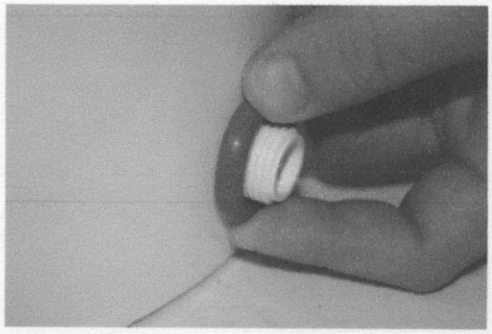
Step 5- Install male adapter



Place the male adapter through the hole inside the bucket so the threads are protruding to the outside of the bucket.

Translation:

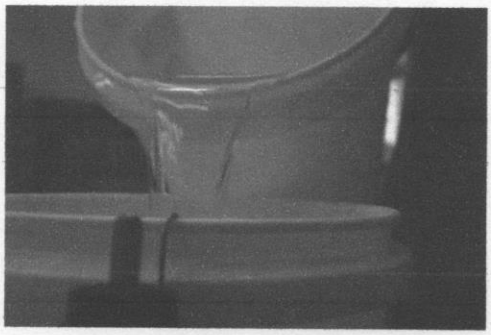
Step 6- Reattach the female adapter



Place the o-ring onto the male threads on the outside of the bucket and screw the female adapter back onto the male threads.

Translation:

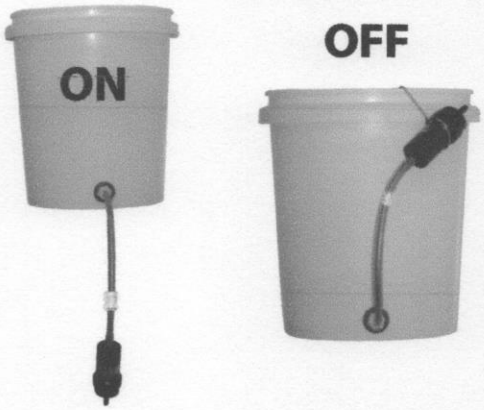
Step 7- Filtering water



Add water to the bucket and lower the filter head below the bottom of the bucket to start the flow. The greater the distance between the filter and the top of the water line, the faster the water will flow. ALWAYS FILTER WATER INTO A CLEAN RECEPTACLE.

Translation:

Step 8- Stopping the flow



Raise filter above pail to stop filter water flow. When not in use, place filter into filter hanger and hang on side of bucket.

Translation:

SAWYER® Filter Cleaning Instructions-SP180

Step 1 - Reserve clean water

Reserve 1 liter (1 quart) of clean water.

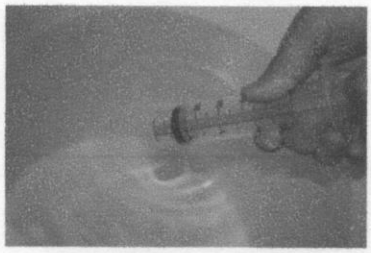
Translation:

Step 2 - Determine if your filter needs cleaning

When water flow stops or slows down the filter needs to be backwashed.

Translation:

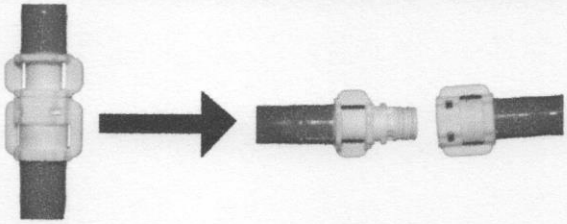
Step 3 - Fill the backwash device



Fill the backwash syringe (C) with filtered water.

Translation:

Step 4 - Empty bucket and remove filter from hose



Empty all water from the bucket and rinse out sediment, then remove the filter from the hose at the quick disconnect.

Translation:

Step 5 - Backwashing with contaminated water

Caution: Do no backwash filter with contaminated water. If you must backwash with dirty water run a liter (quart) through the filter before drinking. Do not drink the first liter. Dispose of it properly.

Translation:

Step 6 - Backwash with syringe

With the filter disconnected from the bucket, place the end of the syringe into the black opening and squeeze, forcing clean water back through the filter. Repeat several times until water comes out clear through the filter. **Make sure all discharge water is disposed of properly.**

Translation:

This filter removes **7 log** (99.99999%) of all bacteria and **6 log** (99.9999%) of all Protozoa:

Bacteria:

I.E.: Cholera, Botulism (Clostridum botulinum), Typhoid (Salmonella typhi), Amoebic Dysentery, E. Coli, Coliform Bacteria, Streptococcus, Salmonella

Protozoan (Cyst):

I.E.: Giardia, Cryptosporidium, Cyclospora

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