



# Water Emergency Treatment System



## About the Water Emergency Treatment (WET) System

Thank you for your purchase of Multipure's Water Emergency Treatment (WET) System. The WET System is designed to provide cleaner, safer, filtered water in emergency situations. The WET System can be used in times and locations where there is little to no water pressure or when the source water is of questionable quality.\* Utilizing the same solid carbon block filter technology as Multipure's Aquaversa Drinking Water System, the WET System is a perfect accessory not just for emergency situations, but also for wilderness travel, backpacking, or camping.

If you have any questions or concerns about this product, please contact our Customer Service Department by phone at 1.800.622.9206 or by email at [custsvc@multipure.com](mailto:custsvc@multipure.com).

\*The WET System is designed for use with fresh water only. The WET System is not for use with salt water. Multipure advises that any source water used with the WET System is first disinfected according to Red Cross guidelines before it is filtered with the WET System.

## Before You Begin

Please read this manual before proceeding with the installation and use of your system. Installation, operation, and maintenance requirements are essential to the performance of your system – failure to follow any instructions or operating parameters contained herein may lead to product damage or product failure.

- Replacement filters can be purchased directly from Multipure. For the latest prices, please visit our website at <http://www.multipure.com/store/>
- Actual filter life depends on the amount of water used and the level of

## Specifications

Model Name	SA912
Approximate Filter Capacity	100 gallons
Replacement Filter Type	EF8

impurities in the water.

### WET System Parts Listing

- (2) EF8 solid carbon block emergency filters
- (1) Sediment pre-filter wrap
- (10) Micropur MP1 water purifier tablets
- (1) Collapsible bucket
- (1) 7-foot flexible plastic tube with valve
- (1) Threaded filter connector

#### 1.1: Prepare and fill the collapsible bucket

1. Make sure that the collapsible bucket is unfolded to its full size.
2. Fill the collapsible bucket with the source water to be filtered. If the collapsible bucket is not available, a watertight container large enough to completely submerge the EF8 filter can be substituted.

NOTE: Always select the cleanest source of water possible to fill the bucket.

**1.2: Disinfect the water (if necessary)** - If the water is not from a microbiologically safe source (i.e., a municipally-treated water supply), the water must be disinfected before it is filtered.

**Option 1:** Disinfect the water with the included Water Purifier Tablets (sodium chlorite + sodium dichloroisocyanurate):

1. Dissolve 1 Micropur MP1 Water Purifier Tablet in the water for every 1 quart (4 cups) of water to be treated.
2. Once dissolved, let the tablet/water solution stand for 4 hours in an area away from sunlight.

**Option 2:** Disinfect the water with household bleach (5.25% sodium hypochlorite):

1. The American Red Cross instructs that 16 drops of bleach be added to every 1 gallon of water to be treated.
2. Stir the bleach/water solution.
3. Let the bleach/water solution stand for 30 minutes.
4. If the water does not have a slight bleach odor, repeat Steps 1 and 2 and let the bleach/water solution stand for another 15 minutes.

**1.3: Assemble the sediment pre-filter wrap (if necessary)** - If the source water appears slightly muddy or cloudy (indicating a high level of sediment), then use the sediment pre-filter wrap to extend the life of the filter.

1. Wrap the felt pre-filter cloth (soft side out) around the EF8 filter cartridge.
2. While holding the wrap in place, pull the stretched netting over the wrap and the filter cartridge.

NOTE: If the sediment pre-filter wrap becomes clogged with particulate matter, remove it. Wrap it in paper and dispose in the trash. The filter can continue to be used without the pre-filter wrap.

#### **1.4: Assemble the filter and tubing**

1. Attach the threaded filter connector to the threaded opening on top of the EF8 filter. Rotate the connector clockwise to tighten it onto the filter.
2. The 7-foot plastic tube has a valve attached along its length, separating the tube into a longer tube and a shorter tube. Securely push the open end of the longer tube into the opening of the threaded filter connector.

**1.5: Position the filter, bucket, and receptacle** - Only perform the following steps after the bucket of water has been adequately disinfected (if necessary – see Step 1.2).

1. Submerge the filter assembly into the bucket of water, tubing side up. Make sure at least 4 to 6 feet of tubing hangs out of the bucket.  
NOTE: The EF8 filter assembly will NOT sink to the bottom of the bucket of water. If necessary, place a weight on top of the filter to keep it submerged.
2. Place the bucket and filter assembly on top of a stable, elevated location (approximately 4 to 6 feet high). A cabinet, shelf, or rock can serve for this purpose.
3. Secure a clean receptacle to hold your filtered water (e.g., an empty water bottle or soda bottle). Any clean container that can be closed works best.
4. Place the receptacle container 4 to 6 feet below the bucket and filter assembly, yet still within reach of the plastic tube. Gravity is important for the operation of the siphon.

#### **1.6: Filter the water into the receptacle container**

1. Open the valve on the plastic tube by rotating the handle until it is parallel to the tube.
2. Create a siphon to begin the water flow through the filter:
  - a. Suck on the end of the tube like a straw until water begins to come out of the end. This process may take several minutes.
  - b. Make sure that the EF8 filter remains submerged in the bucket of water.
3. Once water begins to flow, allow approximately 1 quart of water to flow to waste. This initial water contains residual carbon dust from the solid carbon block filter.
4. After 1 quart of water has been dispensed, lower the end of the tube into the clean water receptacle.
5. Once the clean water receptacle is full, close the valve on the plastic tube by rotating the handle until it is perpendicular to the tube.
6. To restart the siphon, open the valve by rotating the handle until it is parallel to the tube. The siphon can be started again if there is enough source water in the bucket to cover the entire EF8 filter assembly.

**1.7: Refill the source water bucket (if necessary)** - Use the following steps if more water is required to be treated after the initial setup and use.

1. Make sure that the siphon is stopped by closing the valve on the tube.
2. Take the bucket and filter assembly down from its elevated position.
3. Remove the filter assembly from the bucket and set aside.
4. Fill the bucket with source water, and disinfect (Step 1.2) if necessary.
5. Repeat Steps 1.5 and 1.6.

## **Additional Information**

### **2.1: Good Sources of Emergency Water**

1. Hot water heater
2. Melted ice cubes
3. Back of a toilet tank (NOT the bowl)
4. Collected rain water

### **2.2: User Tips**

1. The useful lifespan of the filter varies depending on the level of contamination in the source water.
  - a. Under ideal conditions, the source water is free from high levels of chemicals, heavy metals, and other contaminants; the filter may last up to 100 gallons of use under these conditions.
  - b. When high levels of sediment are present, the filter may clog prematurely.
2. After each full emergency use, dispose of the filter and assembly (including tubing) in the normal trash.
3. Always select the best possible source of emergency water to filter.
4. If using water from a hot water tank, allow the water to cool before treating it with the emergency filter.
5. Remember to safely handle the container of source water. Water is heavy.
  - a. Make sure the container can be carried and moved easily.
  - b. Make sure that the elevated location upon which the source container is placed is strong enough to support the container full of water.
6. Choose the best receptacle container(s) possible:
  - a. Make sure that the receptacle container is clean.
  - b. Choose a receptacle container that can be closed with a cap or lid.
  - c. Choose a receptacle container that can be carried and moved easily.
7. The WET System filters can be restocked with new EF8 filters for future emergencies.
8. Multipure's carbon block filters are warranted for defects in material and workmanship for use under normal care.

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