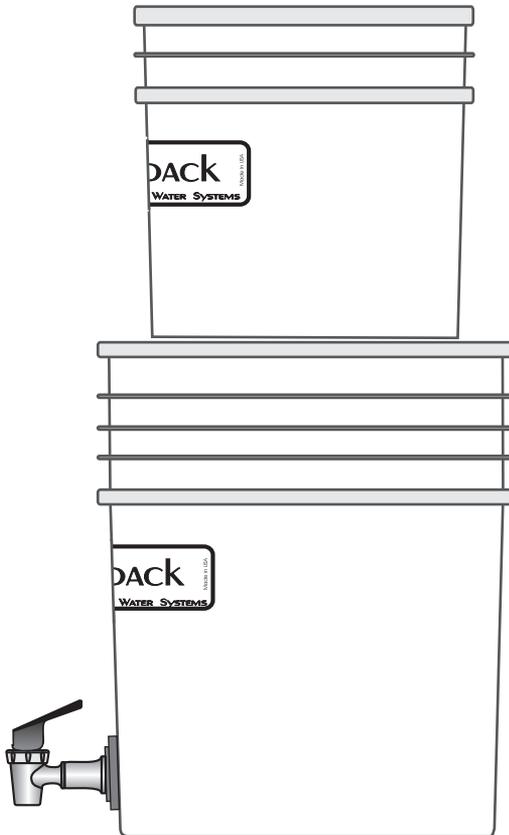


OB-25FF

Installation and Operating Instruction Manual

The OUTBACK A Pour-Through Water Filtration System



Congratulations!

Thank you for choosing the Outback Portable Water Filtration/Purification System!

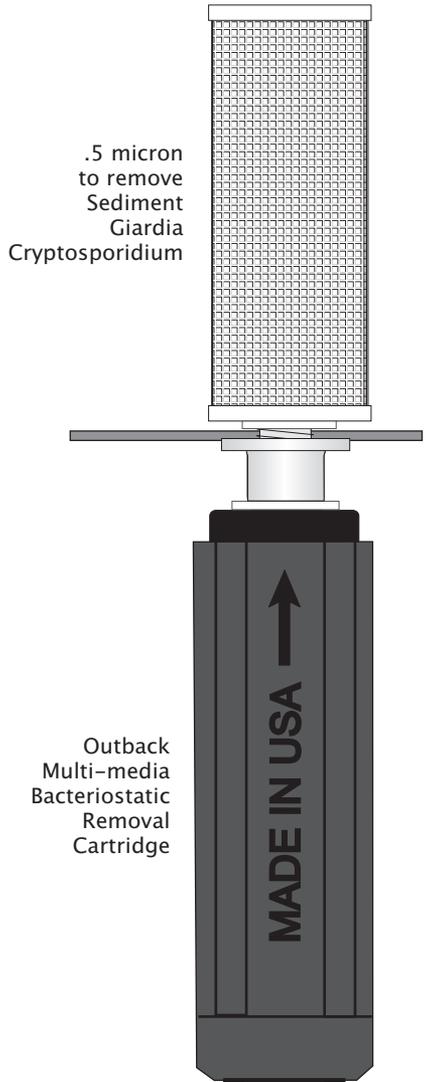
How It Works

The Outback is a portable pour-through gravity-powered system that provides filtered and purified drinking water from virtually any fresh or moving water source.

Designed to be effective and convenient, the Outback will remove contaminants as small as 0.5 micron in size. It is an 'essential' for camping, food storage, and in preparation for emergency or disaster situations. The Outback has been proven effective by relief, missionary and government organizations (including the Peace Corps) in the United States as well as in Latin America, Africa, the Middle East and Asia.

The Outback filters and purifies water in a four-stage process. First, a coarse cloth filter, stretched over the top of the source water pail, removes large sediment particles, turbidity, dirt, and debris. Then the purification stage eliminates bacteria and virus. Next the Pleated Filter removes fine sediment particles down to 0.5 micron in size – including cysts such as *Cryptosporidium* and *Giardia*. Finally, the Outback's Multi-media Bacteriostatic Cartridge absorbs chemicals, organic matter, environmental contaminants, pesticides, herbicides and other contaminants which can cause offensive tastes and odors. Leaving you with great-tasting clear drinking water.

Please take a few moments to read this manual to better understand how to properly assemble and maintain your Outback Filtration/Purification System.



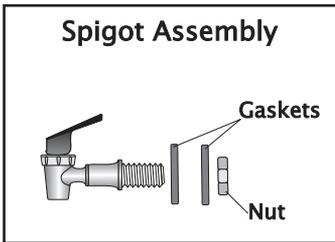
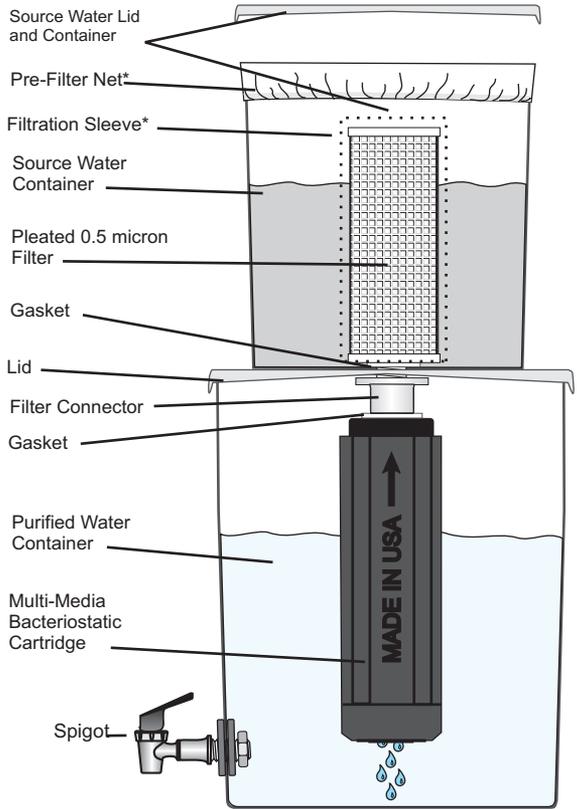
Before You Begin

Preparation

-  Before you begin assembly of your OUTBACK System *it is very important that you read through all of the instructions carefully.* Improper assembly could damage the system and/or lead to the production of un-filtered and un-purified water.
-  The assembly requires no tools.
-  A standard 5 gallon bucket can be used to collect source water.
-  Be sure to wash your hands thoroughly before handling system components.

What's Included in My Package?

1. Source Water Container Lid
2. Source Water Container (2 gal.)
3. Pre-Filter Net (PF-Net)* (optional)
4. Sleeve for Pleated Filter * (Sleeve 5m)(optional)
5. Pleated (0.5 micron) Filter (RF05)
6. Gasket for pre-filter end of filter connector
7. Filter Connector (FC)
8. Gasket for Multi-Media Cartridge
9. Purified Water Container Lid
10. Purified Water Container (5gal.)
11. Multi-Media Cartridge (RM300)
12. Spigot Assembly
13. Assembly and Operation Manual



If you discover that your system is missing any of the specified parts, please contact your local dealer for assistance.

Assembly

Assembling your new system is a simple process. Follow the detailed instructions and you will be enjoying clear, great-tasting water in a matter of minutes!

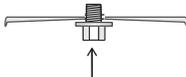
Begin the assembly by washing your hands with soap and water. Next remove the (blue) sanitary plugs from the lower spigot hole in the bucket and from the bucket lid. These plugs may be saved for use when unit is stored.

! Always wash hands thoroughly with soap and water before handling system components.

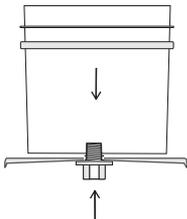
1. Insert the spigot threads through one Gasket and through the spigot hole in the lower portion of the Purified Water Container. Slide the second spigot Gasket over the bolt then screw on the nut and tighten securely.



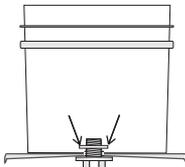
2. Insert the threaded end of the Filter Connector through the hole in the center of the lid.



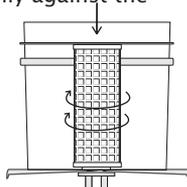
3. Place Source Water Container on the lid with the threaded end of the Filter Connector projecting through the hole in the bottom of the container.



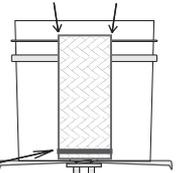
4. Place the smallest of the white Gaskets over the threaded end of the Filter Connector.



5. Thread the Pleated Filter Cartridge onto the threaded end of the Filter Connector in the Source Water Container. Hand tighten until the end of the filter seats firmly against the Gasket and the Gasket against the bottom of the container.



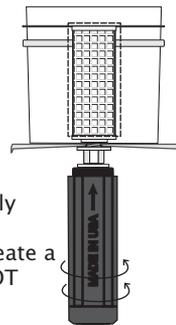
6. If optional Filter Sleeve was purchased, slide it over Pleated Filter and secure at bottom of filter with provided elastic.



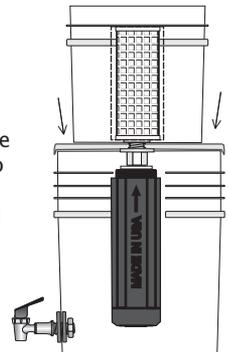
7. Place the larger white Gasket over the threaded end of the Multi-Media Cartridge.



8. Thread the Multi-Media Cartridge into the bottom of the Filter Connector. Seat cartridge firmly against Gasket and Gasket firmly against Filter Connector to create a snug fit. DO NOT OVER TIGHTEN.



9. Place the assembly onto the Purified Water Container to prepare for operation and to prevent any debris from contaminating the purified water.

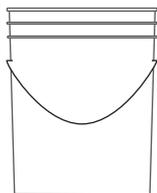


! Before using system wash the Filtered Water Container to ensure removal of any contaminants introduced while being handled or stored.

Operation

Purification Stage 1

1. Fill the 5 gallon collection pail (*not provided*) (to a level of 2–3 inches from the top) with water from any tap, clear, moving, or freshwater source (**no hot, salt or brackish water**).



2. If the *water is clear* add *1/2 teaspoon* of household bleach (5.5–6% Chlorine Hypochlorite) per 5 gallons of water. If the *water is cloudy* add *1 teaspoon* per 5 gallons (If pail is not full of water reduce the chlorine proportionately.)

3. Allow the chlorinated water to sit for 30 minutes.

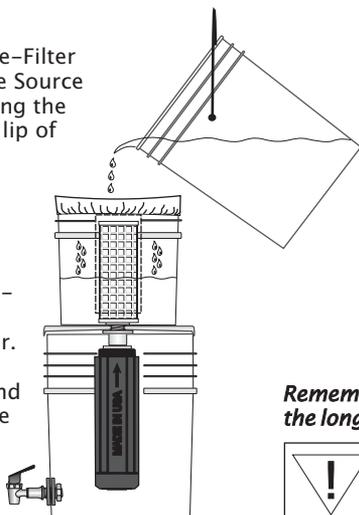
Care should be taken to keep this water away from any other type of contamination, animals, etc.

NOTE: There should be a slight chlorine smell during steps 2 and 3. If not, repeat step 2 and allow the water to sit for an additional 15 minutes.

4. While you're waiting, stretch the Pre-Filter Net over the top of the Source Water Container, seating the elastic over the upper lip of the pail.

Purification Stage 2

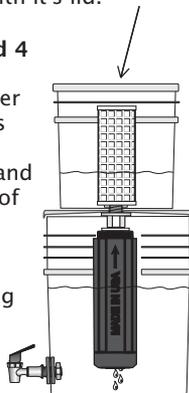
Pour the chlorinated water through the pre-filter net and into the source water container. The pre-filter net will filter large particles and debris from the source water.



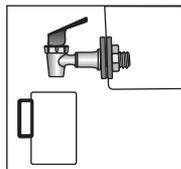
After you have poured water from the collection pail into the source water container cover the pail with its lid.

Purification Stages 3 and 4

Once through the Pre-Filter Net gravity gradually pulls the water through the Pleated 0.5 micron Filter and down through the center of the filter Connector. The water then enters the Multi-Media Cartridge where chemicals (including chlorine), pesticides, herbicides, organic matter and other contaminants are absorbed by the multi-media -- removing toxins, bad tastes and odors from the water.



The water is ready to drink as soon as it enters the purified water container. There is no need to wait for this container to fill beyond the level of the spigot. Just depress the spigot (located near the bottom of the purified water container) to dispense clean, clear, filtered water.



NOTE: The first few gallons of filtered water may contain carbon fines, which appear black in color. These carbon fines are not harmful, but can be flushed rather than consumed. To flush, simply allow the first few gallons of water to pass, unused through the system, until the water runs clear.

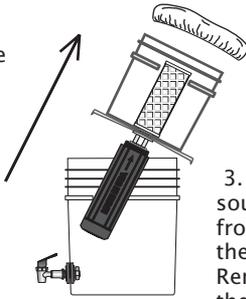
Remember: The clearer the source water, the longer your filters will last.



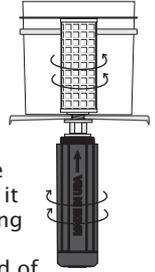
Disassembly for Maintenance, Filter Replacement or Storage

For cleaning and maintenance, filter replacement, transportation or for ease of storage your Outback must sometimes be disassembled. To do so, follow the directions found below. Be sure to wash your hands thoroughly with soap and water before handling system components. (For more detail see assembly instructions on pages 5 and 6.)

1. Remove Pre-Filter Net and lift the assembly off of the purified water container. The source water container and cartridge assembly are all attached to the purification container lid.



2. Remove the Multi-Media Filtration Cartridge by unscrewing it from the Filter Connector. Remove the Gasket from the lower end of the Filter Connector.



3. Remove the Pleated Filter from the source water container by unscrewing it from the Filter Connector while gripping the lower end of the Filter Connector. Remove the gasket from the upper end of the Filter Connector and remove the Filter Connector.

Maintenance and Cleaning

How often should I clean the Outback System?

The answer to this questions varies greatly, based on the cleanliness of your operating conditions. In fairly clean conditions it is recommended that you clean the system at least once a week. During emergency conditions the following is recommended:

Maintenance During Normal Use:

(IMPORTANT: To avoid contamination of the system wash hands and use clean materials whenever having contact with interior surfaces).

Daily:

Discard any unused water stored in the lower bucket for 24 hours or more.

Twice each week:

- Using filtered water rinse any dirt from inside the source water container.
- Rinse the Pre-Filter Net and Pleated Filter with clear water to remove any debris which may have accumulated.
- Use a cloth dampened with chlorine solution to wipe out the inside of all three containers and the spigot. This treatment of the Purification Container and the Spigot is particularly important. (See item 2, page 5 for solution mix.)
- Reassemble the system for operation.
- Wipe dirt or debris from the outside of the surface and rinse with clear, clean water.

NOTE: With the exception of sediment pre-filter and carbon filtration cartridge, all other surfaces can be exposed to hot soapy water.

General: Track usage to ensure that filters are replaced at the required frequencies stated in the Outback System Manual. Remember, the capacity depends upon source water.



It is very important that your Outback be kept clean at all times. When cleaning the spigot, as well as the inside and outside of the pails, make sure to use a clean cloth dampened with chlorine. Used or dirty towels will expose the system to contaminants which can cause illness.

Storage

To store for brief periods of non-use (several days), flush the Outback System thoroughly (at least 2 gallons or 1/2 collection water pail) before and after the period of non-use.

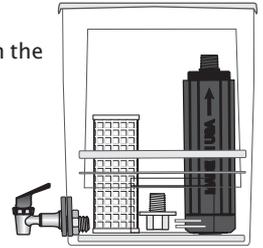
If you are not planning to use the Outback for an extended period of time (several weeks, months or more) the Pleated Filter and Multi-Media Cartridge must be replaced before re-using the system.

Before storing:

1. Run clear water through the system to flush the cartridges.
2. Remove the filter cartridges from Filter Connector and allow them to drain and dry.
3. Wipe the system out according to the maintenance instructions on the previous page and wipe dry with a clean soft cloth.

Note: As you un-assemble unit remember to place all cleaned components and filters on a clean surface to avoid contamination.

4. Remove spigot and associated washers and nuts.
5. Place the Spigot and Spigot parts, gaskets and Filter Connector in the re-sealable plastic parts bag.
6. Place the lid for the source water pail in the bottom of the filtered water container.
7. Place the Pre-Filter Net, Multi-Media Cartridge, the Pleated Filter and the bag containing the gaskets and Filter Connector into the Purified water container.
8. Turn the source water container upside-down and place it inside the purified water container.
9. Place the lid onto the purified water container to ensure that no contaminants get inside.
10. Place the system in it's box.



The Outback is now fully un-assembled and ready for storage or transport.



Remember: After storage or transport clean the spigot and the interior of the purified water container before using it. Moisture from the sediment pre-filter and/or the source water container can contaminate it when in the 'stored' position.

Changing Cartridges

When should I replace the Filter Net?

Item: PFnet

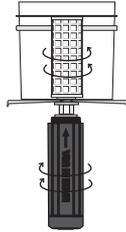
The Filter Net is very durable and can be cleaned and re-used repeatedly. It should be replaced when there is indication of wear that would reduce its effectiveness in screening unwanted debris from the source water. This would include fraying, noticeable change in weave or exhaustion of the elastic used to hold it on the source water pail.

When should I replace the Pleated Filter Cartridge?

Item: RF05

Replace after 6 months or if there is a noticeable reduction in flow rate that cannot be resolved by taking the following steps:

1. Remove the Pleated Filter from the Filter Connector.
2. Hold the filter horizontally, by its end-caps, and GENTLY tap it on a hard surface. Rotate and repeat several times. This may loosen any larger particles trapped in the filter's surface.
3. Rinse the filter with clear water to remove any debris it may have accumulated.
4. Re-connect the filter to the Filter Connector inside source water container.
5. If water flow is still slow, replace the used Pleated Filter with a new one – attaching it as pictured.

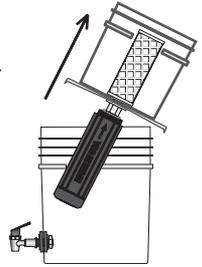


When should I replace the Multi-Media Filter Cartridge?

Item: RM300

After approximately 6,500 liters (1,800 gallons)* or 12 months of use, you will need to replace the Outback's Multi-Media Filtration Cartridge. If you notice any changes in taste and/or odor, this is also a good indication that the Multi-Media Cartridge is in need of replacement. To replace the cartridge please follow the detailed steps found below:

1. Lift the lid assembly off of the purified water container. The source water container and cartridge assembly are attached to this lid.



2. Un-thread the Multi-Media Cartridge from the Filter Connector on the bottom side of the lid. Discard the used cartridge as you would your normal trash. Thoroughly wash the system with filtered water.
3. Thread a new Multi-Media Filtration Cartridge onto the Filter Connector by turning it clockwise by hand only.
4. Flush the new cartridge by allowing water to flow through the system until it runs clear. This will remove any loose carbon fines from the carbon stage of the Multi-Media Cartridge. Although carbon fines are completely harmless new cartridges should be flushed thoroughly before use.



Be sure to clean the entire system before installing a new filtration cartridge.

Specifications and Replacement Parts

Replacement Parts

Item #	Parts Description	Placement
Pfnet (optional)	Pre-Filter Net	Over Source Water Container
Rf05	Pleated 0.5 micron Filter	Source Water Container
RM300	Multi-Media Filtration Cartridge	Purified Water Container
FC-Gasket12	1/2" Filter Connector Gasket	Nipple end of Filter Connector
FC-Gasket34	3/4" Filter Connector Gasket	Nipple end of Multi-Media Cartridge
Sleeve 5m (optional)	5 micron Pre-Filtration Sleeve	Over Pleated 0.5 micron Filter

Questions about your installation? Please contact your local dealer for assistance.



Wash and sanitize Purified Water container before installing new cartridges and after handling it's interior for any purpose.

Outback Specifications**

	American Standard
DIMENSIONS	Assembled: 24" x 11.75" Boxed: 18" x 12" x 12"
WEIGHT	Boxed: 8.00 lbs. Empty: 6.75 lbs. When filled with water: 45.50 lbs.
CUBE	1.5 ft ³
FLOW RATE	0.10 Gallons/Minute
CAPACITY*	1,800 Gallons*
OPERATING TEMPERATURE	42°F to 125°F
CARTRIDGES	7 " Pleated Sediment Filter 10" Outback Multi-Media Filtration Cartridge
APPLICATIONS	Fresh or Moving Water Only

* Capacity or life expectancy of the filter cartridges may vary depending on the quality of the source water

** Specifications and capacities are subject to change without notice.

Troubleshooting

The following list includes situations that may occur during your use of the Outback System. If, after reviewing this list, you are still unable to repair or solve a complication, please contact your local distributor for assistance.

Situation	Solution
Black dust in the water	The black dust consists of loose particles of activated carbon that may be rinsed out of the multi-media cartridge by flushing water through it. These particles are <u>not</u> harmful.
“Flakes” in cold water	Higher concentrations of natural minerals in the water will solidify into “flakes” or “specs” when the water becomes frozen, then melts. These same minerals can also leave a deposit on pots when water is boiled. Natural minerals are beneficial, and the visible presence of them should be of no concern.
Slow flow rate	<p>The pleated filter or multi-media cartridge may be plugged. First, check the pre-filter using the following steps:</p> <ol style="list-style-type: none"> 1. Remove the source water pail and the double lid (with the filters attached) from the system. 2. Remove the pleated filter from the filter connector. 5. Clear and rinse the pleated filter following the steps located on page 8 of this manual. 6. After cleaning the pleated filter, reinstall it and run water through the system once more. 7. If there is little or no water flow, replace the pleated filter with a new one. 8. Reinstall the multimedia cartridge and check the flow rate. 9. If the flow rate is still too slow, the system requires a new multi-media cartridge.
Unusual taste	If an unusual taste develops in your purified water, the multi-media cartridge’s ability to absorb bad tastes is approaching its capacity. A new Outback Multi-Media Cartridge should be installed.



Do NOT use a filtration cartridge that is cracked or broken.
Do NOT use a filtration cartridge longer than the capacity stated in this manual. Please contact your local dealer for replacement parts.

Limited Warranty

Limited Warranty

The manufacturer warrants that the product sold hereunder will be free from defects in materials and workmanship under normal use for one year. The purchaser's sole remedy shall be the repair or replacement of a defective component. The manufacturer will, at its discretion, repair or replace a defective product, provided that it is returned with proof of purchase to manufacturer or your local distributor, postage prepaid, within the warranty period set forth above. All returns require a Return Authorization Number.

This Limited Warranty will not apply to any product which has been altered, incorrectly installed, misused, abused, or used for any application other than personal household use; The manufacturer specifically disclaims any warranty of any kind on such products.

THE LIMITED WARRANTY SET FORTH ABOVE IS IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE MANUFACTURER SPECIFICALLY DISCLAIMS ANY RESPONSIBILITY OR LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

