



# Owner's and Operator's Manual

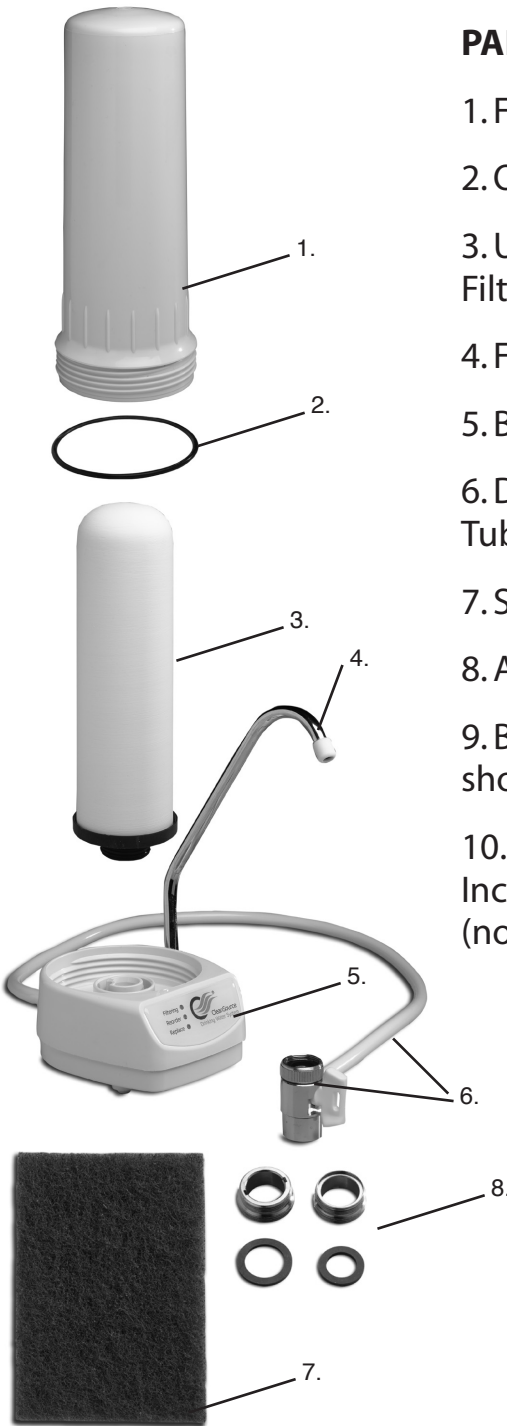
## INTRODUCTION

Thank you for purchasing your new CleanSource® Drinking Water System,



an advanced filtration system combined with state-of-the-art electronic capacity monitoring.

Your new system was designed to be a convenient, highly capable countertop water filter for today's needs. Its integrated meter provides information on filter life. Your system has a rated capacity of 1,000 gallons or 18 months, whichever comes first.



## PARTS LIST

1. Filter Housing
2. O-ring
3. UltraCarb Ceramic Filter
4. Faucet
5. Base Assembly
6. Diverter Valve and Tubing Assembly
7. Scouring Pad
8. Adapter and Gasket Kit
9. Battery Door (not shown)
10. Two (2) AAA Batteries Included and Installed (not shown)

## PREPARATION

1.

Unscrew the Filter Housing (*item 1*) from the Base Assembly (*item 5*) by holding the base securely and turning the Filter Housing in a counterclockwise direction (*Figure 2*).



Figure 2

2.

Remove the protective packaging from the UltraCarb Ceramic Filter (*item 3*).



Figure 3

**IMPORTANT NOTE:** This packaging material must be removed and the filter inspected before use to be sure the filter has not become dislodged or damaged during shipping.

3.

After checking the UltraCarb filter, screw the housing back into the base. Make sure the O-ring (*item 2*) is seated properly in the Filter Housing. You may need to invert the unit (*Figure 3*) to ensure that the O-ring is properly seated in the Filter Housing.



Figure 4

4.

Remove the existing aerator from your faucet (*Figure 4*). If necessary, use padded locking pliers.

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5.

Remove the protective foam wrap from the Diverter Valve Assembly (*item 6*).

## SYSTEM INSTALLATION

1.

Thread the Diverter Valve (*item 6*) onto the faucet, hand-tighten only. Do not over tighten as it could damage the threads. (*Figure 5*)



Figure 5

NOTE: If the Diverter Valve is not compatible with your faucet, an Adapter and Gasket Kit (*item 8*) is provided to obtain a proper fit.

2.

Place the CleanSource Drinking Water System on a flat surface near the sink. With the water spout pointing into the sink, turn on the COLD water and divert the water through the filter by turning the Diverter Valve's white handle 90°. Check for leaks. To stop the flow through the filter turn off the faucet or turn the handle in the opposite direction.

3.

Run COLD water through the filter for several minutes to remove any small carbon particles and expel excess air.

NOTE: For best results, after sitting overnight or after several hours of non-use, run water through

the filter for 15 seconds before using.

## THE FLOW METER

Your CleanSource Drinking Water System features



Figure 6

a state-of-the-art water meter to monitor the life of the replaceable UltraCarb Ceramic Filter (*Figure 6*). When water is flowing through your filter, one of the LED (light emitted diode) lights will flash to indicate the following:

**FILTERING:** As water flows through the unit, a flashing green light indicates that the filter is operating within the rated capacity of the filter. The capacity is 1,000 gallons or 18 months, whichever comes first.

**REORDER:** The yellow warning light lets you know when approximately 10% of the filter capacity (gallons or time) is left in the UltraCarb Ceramic Filter. Please order a replacement filter when the yellow light is flashing.

**REPLACE:** The red warning light indicates the filter capacity is exhausted. Replace the UltraCarb Ceramic Filter before continuing to use your system.

## CLEANING THE ULTRACARB CERAMIC FILTER

Clean the UltraCarb Ceramic Filter whenever the water flow falls below an acceptable rate. Sanitary precautions should be taken whenever handling soiled components of your filter. We suggest using waterproof gloves.

1.

There will be water in the Filter Housing. To reduce spillage, invert the filter over the sink. (*Figure 7*)



Figure 7

2.

While holding the base firmly, unscrew the filter housing from the base assembly by turning in a clockwise direction (*Figure 8*). Drain out the water and set the housing aside.



Figure 8

3.

Turn the filter base right-side up, then remove the UltraCarb Ceramic Filter from the base by pulling it up with a twisting motion. (*Figure 9*)

4.

Dampen and scrub the UltraCarb Ceramic Filter with a scouring pad (*item*



Figure 9

7) (included) until the filter returns to its original white color, then rinse thoroughly with cold water.

**NOTE:** Never use soap or detergents to clean the UltraCarb Ceramic Filter. Be sure to be very careful when handling the filter as it will break or crack if dropped.

5.  
Set filter aside.

6.  
**Each time the UltraCarb Ceramic Filter is cleaned or replaced, it is recommended that the CleanSource Drinking Water System is cleaned and sanitized.**

Fill the Filter Housing with warm soapy water and scrub the inside surface with a soft brush or sponge. To avoid scratches, do not use abrasive pads or cleaners inside the filter housing. Rinse thoroughly.

7.  
Add 2 capfuls of unscented chlorine bleach to the Filter Housing and fill 2/3 full with cold water.

**Do not yet install the replacement filter.**

8.  
Leaving the chlorine solution in the Filter Housing, invert the Base Assembly and screw the base into the Filter Housing. Make sure the O-ring is



properly seated in its groove in the Filter Housing. Place the housing and base right side-up with the faucet pointing into the sink. Allow to stand for 15 minutes.

9.

After allowing the CleanSource Drinking Water System to stand for 15 minutes, rinse the chlorine solution from the system by turning on the COLD WATER faucet and opening the Diverter Valve to the system. The system will be adequately rinsed after approximately five minutes, or when no chlorine smell is present. Turn off the water.

10.

Hold the system upside down, unscrew the Filter Housing by turning clockwise and empty.

11.

Insert the replacement UltraCarb Ceramic Filter into the base by applying a downward pressure, then twisting the UltraCarb filter to slide it into place (*Figure 10*).

12.

Turning clockwise, screw the Filter Housing back into the Base Assembly.



Figure 10

## REPLACING THE ULTRACARB CERAMIC FILTER

When the flow meter's red warning light flashes, replace your old UltraCarb Ceramic Filter with a new filter.

1.  
Follow steps 1, 2 and 3 under "Cleaning the UltraCarb Ceramic Filter."
2.  
Discard the used UltraCarb Ceramic Filter.
3.  
Follow steps 6 through 12 in the **CLEANING THE ULTRACARB CERAMIC FILTER** section.
4.  
Insert the replacement UltraCarb Ceramic Filter

into the base by applying a downward pressure, then twisting the UltraCarb filter to slide it into place (*Figure 10*).



Figure 10

5. Turning clockwise, screw the Filter Housing back into the Base Assembly.

6.  
Position the filter so that the water spout points into the sink. Each time a new UltraCarb Ceramic Filter is installed, run cold water through the filter for several minutes to remove any small carbon

particles and expel excess air. **Make sure the O-ring is properly seated in the filter housing.**

7.

**IMPORTANT:**

Each time a new UltraCarb Ceramic Filter is installed you will need to replace the two AAA batteries (Figures 11 & 12). Replacing the batteries will reset the water meter to the original 1,000 gallon and 18 month capacity. Failure to replace the batteries will cause the red LED light to continue flashing until new batteries are installed.



Figure 11



Figure 12

# WARRANTY

Clack Corporation warrants its CleanSource Drinking Water System to be free from defects in materials and workmanship for a period of one year from the date of purchase when installed, maintained, and operated per instructions.

Clack Corporation will repair or replace, at its discretion, any part of the system deemed defective. This warranty does not cover the replaceable batteries or the disposable UltraCarb Ceramic Filter (part number S8068) whose service life depends on feed water conditions.

## **To obtain warranty service**

To obtain warranty service, send a detailed written description of the claimed defect to the nearest Rainbow service center. You may be required to return the product, at your expense, to the nearest Rainbow service center in order to obtain warranty service. You may also be required to provide proof of purchase. If, after inspection, Rainbow determines that a covered defect exists, Rainbow will bear the cost of return delivery.

Implied warranties including that of merchantability and fitness for a particular purpose, are expressly limited to the duration of this warranty.

CLACK CORPORATION® DISCLAIMS ANY RESPONSIBILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. This limitation and exclusion may not apply to you. This warranty gives you specific legal rights. You may have other legal rights which vary from state to state.