



# Care and Use Manual Counter Top Filtration

Information Provided for the Proper Set-Up, Installation and  
Start-Up of the following Filtration Systems

- FC100
- FC150
- UC150



**To the Consumer:** Retain this Care & Use Manual for Product Registration and Future Reference



## A Special Message to Our Customers,

EWS, Inc. and Environmental Water Systems would like to thank you for your consideration in selecting from our comprehensive list of residential filtration and conditioning product.

We recommend that you take the time to read the information that pertains to your product as you begin to use it.

The information in this manual is designed to assist you in the proper set-up, install and start-up of your system. In addition, the information contained in this manual is designed to provide the consumer, the most comprehensive information on this series of product.

Please contact us if you have any questions, comments or additions to the information provided.

Sincerely,  
Customer Service at EWS, Inc.



EWS, Inc. and Environmental Water Systems  
9101 W. Sahara Ave., Suite 105-J8  
Las Vegas, NV. 89117

Office: 702-256-8182 Available Monday through Friday, 8:30 - 4:30 Pacific Standard Time  
Fax: 702-256-3744 Dedicated and Available 24/7  
E-Mail: [customerservice@ewswater.com](mailto:customerservice@ewswater.com)  
Web Site: [www.ewswater.com](http://www.ewswater.com)

## Installation of the Filtration System

You may need the following for proper installation:

- Teflon tape
- Adjustable Wrench
- Pliers
- Work Gloves
- Safety Glasses
- Knife or scissors

**WARNING:** Verify that all components are included with the unit and were not lost, misplaced, or damaged in shipping or handling.

**CAUTION:** Do not attempt to install this system using defective or damaged components. Check and inspect, inlet and outlet fittings and any other connections on this system that might have been damaged during shipping and handling.





## **Thank You for filling out your Registration Form.**

Your confidential registration of your product assures you of a proper warranty listing of your purchase.

**We do not sell or share any  
information with anyone.**

The basic information you supply will allow us to inform and remind you about your filter replacements and any updates on water issues and filtration.

If applicable, we will also remind you to get your well independently tested at certain intervals to assure the conditions and health of your source water.

**Register All Units Using This One Form,  
Keep a Copy for your records and;**

- Fax to: 702-256-3744
- E-Mail to: [register@ewswater.com](mailto:register@ewswater.com)  
or
- Mail to: EWS, Inc.  
9101 W. Sahara #105-J8  
Las Vegas, NV. 89117

If registering additional EWS, Inc. product, please submit separate form for those units.



# Care and Use Manual

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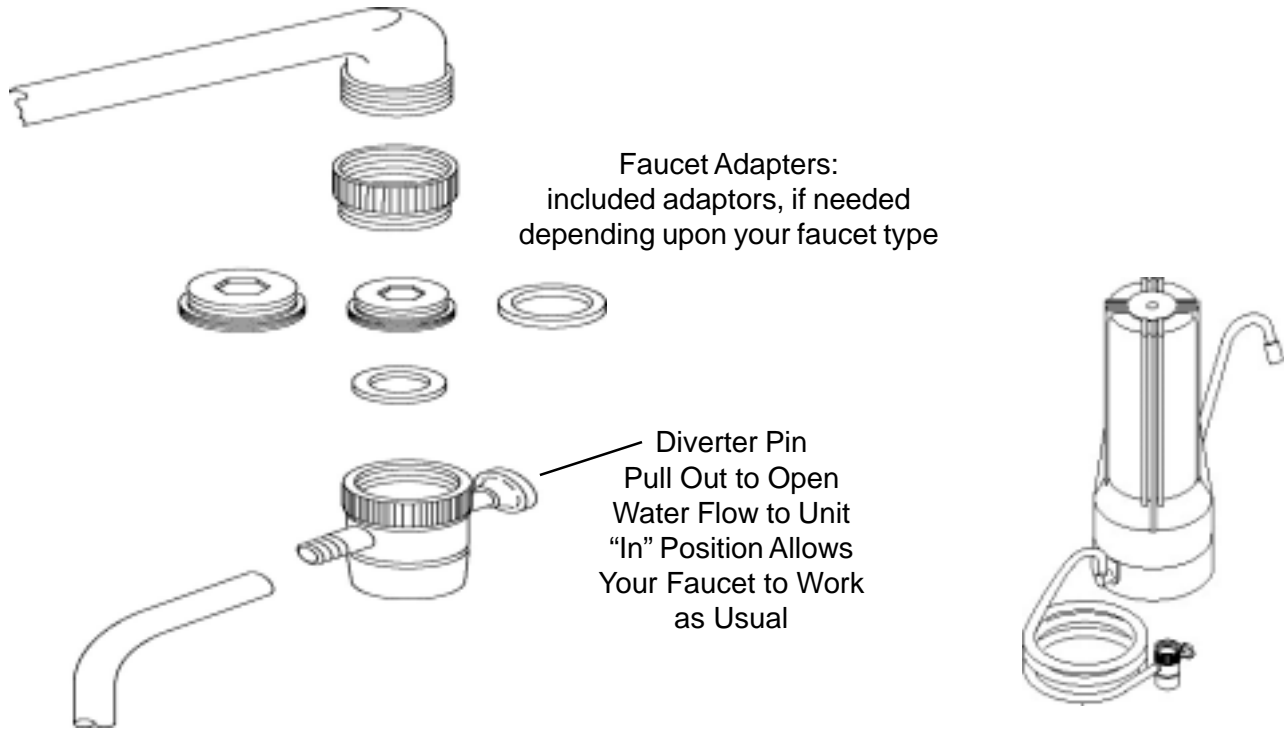


# Unit Install, Start-Up and Operation

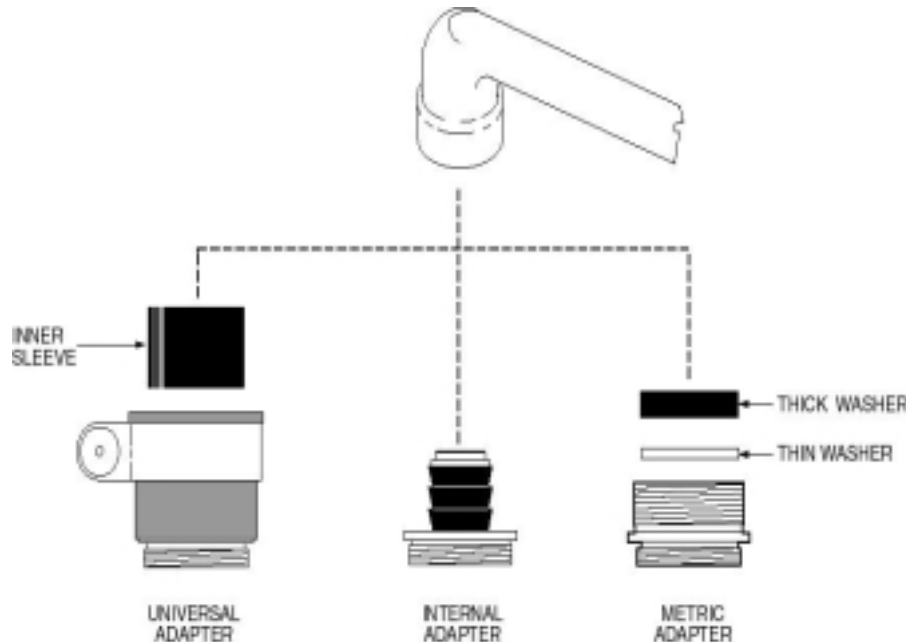
## ■ CONNECT THE DIVERTER TO THE END OF YOUR FAUCET

### NOTE:

Faucets may have different end pieces or aerators and may need a simple adaptor to fit correctly. Provided are 3 common adaptors to assist you. If these are not applicable to your situation, take the aerator and the diverter to a local hardware store and a professional can direct you to the correct adaptor for your situation.



Other Faucet Adapters  
(not included)  
Depending upon your faucet  
type, you may need one of the  
following adaptors.





■ **START-UP AND OPERATION**

**Step 1:**

Connect UV lamp cord and plug in transformer unit to typical 110v electric outlet. (UC150 only)

**NOTE:** Electrical outlet must be unswitched. Be aware of any GFI outlets and the need to reset. Surge suppression recommended.

**Step 2:**

Turn on your sink faucet - cold side only. **WARNING:** NOT INTENDED FOR SUPPLY BY HOT WATER.

**Step 3:**

Pull out Diverter Pin and lock in the open position to allow water to flow through unit.

**Step 4:**

Water will begin to flow from dispenser/faucet and not from the sink faucet. Initially, water may sputter before full flow is achieved.

**Step 5:**

Allow system to run steadily for approximately 2-3 minutes. This will wash all carbon fines and air from the system. End this flushing of the system once water runs clear. System is now available to use as normal.

**NOTE:** If you draw your water into a glass and it appears to be cloudy, it's only air and nothing bad. Let the glass sit and watch the air rise and dissipate. The filter cartridges used are full bed depth. The carbon (GAC) cartridges have a great deal of surface area. It may take 24-48 hours for this to correct itself.

**Step 6:**

Inspect for leaks at all connections. If a problem exists, please shut off water supply to the system and consider the following solutions;

• Inspect for leaks at all system connections such as connections the cartridge housing or your faucet connection

If there are any problems, please call or e-mail.

Please identify any damage in shipping or handling. You'll need to make a claim with the shipper, as indicated on your packing materials, the packing slip and the published terms of sale.

Please identify any problem and let us know if we can offer advice or a part that we can readily send you.

**WARNING:** Maximum pressure is 75 PSI. Pressure unregulated can surge or exceed the maximum rating on this and many items in the home. High pressure creates a water hammer or banging pipes. It's also the reason to use stainless hoses for washer machine connections and not the rubber. A pressure reducing valve (PRV) at your main water service line (if not code) is greatly recommended by many manufacturers' of many different household items, plumbing products and appliances.

**PLEASE REGISTER:**

- Familiarize yourself with the system, its' replacement filters and maintenance.
- Understand your system's capabilities
- See your options in water treatment, for you , your family and your home by EWS, Inc.
- Register your system with our confidential data base and be reminded to replace your filters





### Replacement of Filter Cartridge

It is recommended that filters be changed at least annually or more frequently based on usage and local water conditions. The quantity and quality of the water processed effects the life of the filters.

**Step 1:**

Make sure inlet water supply and/or faucet to the system is off.

**Step 2:**

Place unit over sink, or a pan or towel should be placed under the housing to catch any water.

**CAUTION:** WATER WILL BE PRESENT WHEN FILTERS ARE CHANGED.

**Step 3:**

Hold base and turn housing counterclockwise to loosen. Remove.

**Step 4:**

Remove filter from housing and dispose.

**NOTE:** See disinfection procedure before replacing any filters or UV lamp (if applicable)

**Step 5:**

Insert new filter (gasket side down) and seat into the base, then tighten housing by turning clockwise.

**WARNING:** The GAC filters have gaskets that must be seated and placed properly.

**CAUTION:** Inspect O-Ring for housing base. Make sure it is clean, free of any deris and not damaged or kinked. Make sure it is correctly seated into the channel at the housing base before replacement.

**Step 6:**

**FOLLOW SYSTEM START-UP PROCEDURES FROM PAGE 11**



### Replacing the Ultra Violet Lamp

**Step 1:**

Unplug the transformer. Disconnect the UV lamp cord.

**Step 2:**

Pull firmly on the UV lamp tail to remove the lamp.

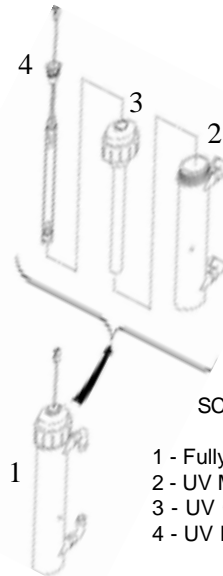
**Step 3:**

Insert new UV Lamp and firmly press in until it meets the top of the cap. Reconnect UV lamp cord.

**Step 4:**

Plug in unit transformer

**WARNING:** DO NOT DISCONNECT UV MODULE FROM THE FACTORY CONNECTIONS AND DO NOT OPEN UV CAP FROM UV MODULE FOR TYPICAL UV LAMP REPLACEMENT



SCHMATIC FOR ILLUSTRATION PURPOSES

- 1 - Fully Assembled UV Module
- 2 - UV Module Housing
- 3 - UV Cap with Quartz Glass Sleeve
- 4 - UV Lamp with Lamp Cord  
see part ref #'s 15,16,16a

### Disinfection Procedure

This procedure may be performed at any time when changing filters or after extended periods of inactivity of the system.

**Step 1:** Follow Steps 1 through 4: Replacement of Filter Cartridge. Empty housing of the filter.

**Step 2:** Using chlorine bleach, measure 1/2 cup and pour into housing.

**Step 3:** Turn unit upside down and replace housing and tighten. Take note of the housing O-Ring. Make sure water is off to prevent water flow. Shake around 30 seconds or more and then let sit for a minute.

**Step 4:** Open sink faucet, pull out diverter pin and lock in open position and allow system to completely fill and then run.

**Step 5:** Allow the water run for at least 5 minutes. **WARNING: DO NOT USE THIS WATER.**

**Step 6:** Now that the system has been disinfected. Re-open the housing as in previous procedures and wipe away any residual found to totally clean this system prior to new filter and UV replacement.

- FOLLOW STEPS 1 THROUGH 6 (above): Replacement of Filter Cartridge and Replacing UV Lamp (if applicable)
- FOLLOW STEPS 1 THROUGH 6: System Start-Up and Operation on Page 7



**Trouble Shooting Guide - Drinking Water Filtration Systems**

Problem	Possible Causes	Solution
No water	Water supply is off	<ul style="list-style-type: none"> <li>•Turn main water supply on</li> <li>•Turn water on to the faucet</li> <li>•Pull Diverter Pin to open dispenser/faucet</li> </ul>
Not enough water	Low water pressure	Unit may not operate properly at less than 25 PSI feed line pressure (max: 75 PSI)
Leak at inlet or outlet fittings (undercounter drinking water systems only)	<ul style="list-style-type: none"> <li>•Is the tubing cut with a straight end to grab squarley?</li> <li>•Is the tubing inserted completely into fitting?</li> <li>•Is there a problem with the collet and the quick-connect fitting?</li> </ul>	<ul style="list-style-type: none"> <li>•Access the filter unit, remove tubing by depressing the collet and pulling tubing out. Using a utility razor knife, <u>squarely</u> cut 1/2" off tubing from the end. Make sure end of tubing is not flattened Reinsert the tubing into the fitting as far as possible. Check for leaks.</li> <li>•Tug on tubing (do not pull hard) to check fitting</li> </ul>
Leak at connections to, or between housings	Damage in shipping/handling	Call for part replacement
Leak at faucet or supply connections	Varied Causes, pull out dispenser and check o-rings and fit/insert	Check connections at various locations and re-connect, tighten, re-insert and/or correct
Leak at cartridge housing	Misaligned, damaged or missing O-Ring(s)	<ul style="list-style-type: none"> <li>•Locate and Align O-Ring into groove inside housing</li> <li>•Call for replacement part</li> </ul>
Any/all leaks	Excessive Pressure	Pressure reducing valve (PRV) at main water supply to maintain pressure at or below 75 PSI
Water Flow is Restricted	Kinked or Bent Tubing	Make longer loop with tubing to remove kink or bend
UV not working	Lamp damaged, lamp cord has not been connected or transformer is not plugged in.	<ul style="list-style-type: none"> <li>•Connect lamp cord and/or Plug in transformer.</li> <li>•Make sure unit plugged into an unswitched electrical outlet. Check GFI reset.</li> <li>•Surge suppression recommended</li> <li>•Replace UV Lamp,</li> </ul>
Unpleasant taste and/or odor Metallic flavor Discoloration Rotten egg smell from water	<ul style="list-style-type: none"> <li>•Need to replace filters</li> <li>•System needs disinfecting</li> <li>•System was idle, stored or misused for a long period of time.</li> <li>•System under unfavorable conditions or changing water conditions</li> <li>•Hydrogen sulfide, iron, manganese is in the household water supply</li> <li>•System misapplied</li> </ul>	<ul style="list-style-type: none"> <li>•Replace filters and follow start up procedures</li> <li>•Replace and disinfect: See page 9 for instructions</li> <li>•Flush system by running water, replace filters and/or disinfect</li> <li>•Determine what changed in your water supply and Flush, Replace and/or Disinfect, or change type of water treatment system based on local water conditions. Call your municipality or have your well tested.</li> <li>•Hydrogen sulfide, iron and manganese must be removed from household water supply before filter system. Visit our web site and see the Pyrolox systems</li> <li>•The wrong system for the application</li> </ul>
Cloudy water	<ul style="list-style-type: none"> <li>•New installation, changing filters, disinfecting the system</li> <li>•Open/close and open of water supply to home or in home</li> </ul>	It is simply - air. Check by filling glass and watch air dissipate. Run and flush system for several minutes. Sometimes it takes 24 - 48 hours to totally clear due to the full bed depth of our filters



**Water Filtration Systems Included in this Care and Use Manual**

**For Proper Information and Maintenance - Identify your Filtration System**

- check the unit
- check replacements for easy future reference

**Countertop Filtration Units**

**Model No: FC100 - GOOD**

Improves taste and odor by removing chlorine and other volatile organic compounds. Meets or complies with NSF Standard 42.  
Filter Replacement Code: 6.

**Model No: FC150 - BETTER**

Improves taste and odor by removing chlorine and other volatile organic compounds. Upgraded filter also safeguards against lead and cysts (giardia and cryptosporidium). Meets or complies with NSF Standard 53.  
Filter Replacement Code: 7.

**Model No: UC150 - BEST**

This unit improves, removes and safeguards like above model FC150. The additional UV module protects against bacterial, viral, E-coli and other microorganisms and is tested 99.9% effective. Meets or complies with NSF Standards 53 and 55.  
Filter Replacement Codes: 7, 16.



FC100/FC150 are the same  
See the difference by the filter



Pictured: UC150

All completely assembled counter units include the following standard features: White 10" housing with filtration cartridge, chrome lead-free faucet for dispensing water, tubing and adapters to make most connections, UV lamp and setup (UV unit only), complete service guide with use instructions.

**Visit [www.EWSWATER.com](http://www.EWSWATER.com), go to contact page and click on register@ewswater.com**

**EWS, Inc. will keep this information confidential and will offer you reminders to replace your filters and offer you updates on water issues and concerns**

**Go to filter replacements, removal capabilities and compliances on the following pages. For more information on our entire product line from sink to whole home, municipal or well visit us on the web**



## Filter Replacements

**Easy Reference:**     **Filter Code No: 6**

    **Model No: UDF10HP**             **Granular Activated Carbon (GAC) Postfilter**

UDF10HP is designed for effective reduction of taste, clarity and odor problems such as Chlorine and VOC's. Cartridges are designed to allow water to pass through entire carbon bed to allow maximum adsorption. Meets or complies with NSF Standard 42.

**In Use:**             **FC100**

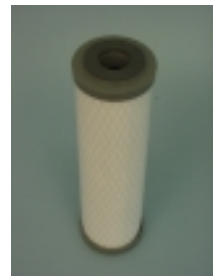


**Easy Reference:**     **Filter Code No: 7**

    **Model No: PB1**                     **Carbon Block 1-Micron Postfilter**

PB-1 is an upgraded postfilter designed for effective reduction of taste, clarity and odor problems such as Chlorine and VOC's. In addition, the filter reduces Lead and Cysts such as Giardia and Cryptosporidium. Cartridges are designed to allow water to pass through entire carbon bed to allow maximum adsorption. Meets or complies with NSF Standard 53.

**In Use:**             **FC150**

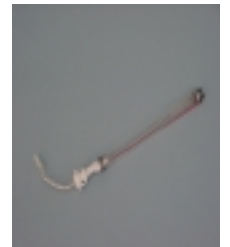


**Easy Reference:**     **Filter Code No: 16**

    **Model No: UST-200 RL (lamp only)**     **UV Lamp - UV Bacteria-Kill Units**

UV Unit (UST-200) contains a 6 Watt UV lamp that effectively kills bacteria (>99%). A 316 Bonded Stainless Steel Interior enhances kill power by reflecting UV light and eliminates degradation of polypropylene housing. Due to advanced design, water is spun through module to eliminate shadowing and shading which additionally maximizes kill power. UV Module meets or complies with NSF Standard 55.

**In Use:**             **UC150**



Filters for any of our drinking water filtration systems can be purchased individually or as a set (if, applicable) for your specific system.  
Contact your local distributor or  
visit [www.WATERONTHEWEB.com](http://www.WATERONTHEWEB.com), an authorized internet distributor of  
EWS, Inc. and Environmental Water Systems

**See following pages for all removal capacities, test results and compliances.  
All Product Proudly Manufactured and Assembled in the USA**



### UDF10HP GAC Filter Cartridge

Filter cartridge UDF10HP meets or complies with NSF Standard 42 for reduction of Chlorine and other Volatile Organic Compounds. The UDF10HP utilizes a high performance granular activated carbon for exceptional filtration capacity and effectively reduces chlorine, voc's, bad taste and odor in drinking water.

**In use with: FC100, FUGAC100, FUGAC200, FUGAC300**

#### GRANULAR ACTIVATED CARBON (GAC) Reference List

Below is a simple reference chart to give some perspective as to GAC's capabilities with various substances. Some items are heavy metals and inorganics, while others are VOC's (volatile organic compounds), some of which are man-made pollutants. Still other items, such as hardness, are not even considered contaminants. In general, GAC is very economical and a great compliment to municipally-treated water without the disadvantages of more aggressive filtration. GAC is used in all filtration due to its removal capacities. Know your water to select the correct product for you, your family and your home.

- See the Upgraded PB-1 Cartridge for greater GAC capabilities: FC150, FUGAC150, FUGAC250, FUGAC350
- UV Disinfection Module for greater safeguards: UC150, UU250, UU350
- See CWL or EWS whole home appliances for GAC filtration to the entire home.

Acetaldehyde	4	Emulsions	2	Lead	3	Precipitated Sulfur	2
Acetic Acid	3	Ethyl Acetate	5	Lime	0	Propioic Acid	4
Acetone	4	Ethyl Acrylate	5	Mercaptans	4	Propionaldehyde	3
Alcohols	4	Ethyl Alcohol	4	Metal Salts	1	Propyl Acetate	4
Alkalinity	1	Ethyl Amine	4	Methyl Acetate	4	Propyl Alcohol	4
Amines	3	Ethyl Chloride	4	Methyl Alcohol	4	Propyl Chloride	4
Ammonia	1	Ethyl Ether	4	Methyl Bromide	5	Radon	4
Amyl Acetate	5	Fertilizers	1	Methyl Chloride	4	Rubber Hose Taste	5
Amyl Alcohol	5	Fluorides	2	Methyl Ethyl Ketone	5	Seawater	1
Antifreeze	4	Formaldehyde	2	Naphtha	5	Sediment	2
Arsenic	1	Gasoline	5	Nitrates	0	Soap	3
Benzene	5	Glycols	5	Nitric Acid	3	Sodium Hypochlorite	5
Bleach	5	Hardness	0	Nitrobenzene	5	Soluble Iron	2
Boron	1	Heavy Metals	3	Nitrotoluene	5	Solvents	4
Butly Alcohol	5	Herbicides	5	Odors (General)	5	Sulfuric Acid	1
Butly Acetate	5	Hydrogen Bromide	2	Oil - Dissolved	5	Sulphonated Oils	4
Calcium Hypochlorite	5	Hydrogen Chloride	1	Oil - Suspended	2	Suspended Matter	2
Carbon Dioxide	0	Hydrogen Fluoride	1	Organic Acids	4	Tannins	4
Chloral	5	Hydrogen Iodide	2	Organic Esters	5	Tar Emulsion	4
Chloramine	4	Hydrogen Peroxide	5	Organic Salts	4	Tartaric Acid	4
Chloroform	5	Hydrogen Selenide	3	Oxalic Acid	5	Taste (DI Water)	4
Chlorine	5	Hydrogen Sulfide	3	Oxygen	5	Taste (From Organics)	4
Clorobenzene	5	Hydrochlorous Acid	5	Ozone	4	THM's	5
Chlorophenol	5	Inorganic Acids	1	PCB's	5	Toluene	5
Chlorophyll	4	Inorganic Chemicals	1	Pesticides	5	Toluidine	5
Citric Acid	4	Insecticides	5	Phenol	5	Trichlorethylene	5
Cresol	5	Iodine	5	Phosphates	0	Turpentine	5
Defoliants	5	Isopropyl Acetate	5	Plastic Taste	5	Urine	2
Detergents	3	Isopropyl Alcohol	5	Plating Wastes	3	Vinegar	3
Diesel Fuel	5	Ketones	5	Potassium Permanganate	4	Xanthophyll	4
Dyes	5	Lactic Acid	4	Precipitated Iron	2	Xylene	5

**KEY TO THE ABOVE LIST:**

- 5- EXCELLENT - A proven application
- 4- VERY GOOD - A proven application
- 3- GOOD - very acceptable result
- 2- FAIR - limited application
- 1- POOR - not a recommended application
- 0- Not an application for GAC

Well water or municipally-treated water with issues related to inorganics, heavy metals or items above that GAC is fair to none (2-0) are generally issues reverse osmosis systems treat better then GAC alone. See our complete selection of reverse osmosis product and apply only when necessary due to drawbacks associated with these units.



### PB-1 Upgraded GAC Filter Cartridge Extruded Activated Carbon Block Filter

The PB-1 cartridge meets or complies with NSF Standard 53 for the removal of Lead and Cysts (Giardia, Cryptosporidium) in addition to removal of Chlorine and other Volatile Organic Compounds. See GAC Reference Chart on page 17 in this Manual and the additional capabilities below.

**In use with: FC150, FUGAC150, FUGAC250, UU250, FUGAC350 and UU350.**

- Lead Reduction: 2,500 gallons @ 0.75 GPM
- Cyst Reduction: Giardia, Cryptosporidium
  - >99.96% reduction of 1 - 2 µm particulates
  - >99.984% reduction of 3 - 4 µm particles
- Class 1 Turbidity Reduction
- Outstanding Chlorine, Taste and Odor Reduction
- Chlorine Reduction >90 % @ 6,000 gallons @ 0.75 GPM

Filter Dimensions: 2.50" O.D. x 1.25" I.D. x 10" L  
Carbon Weight: 0.85 lbs.

Construction:  
Precision Continuous Extrusion,  
Graded Density Pre-Filtration Design

Heavy Metal Reduction

The PB-1 extruded activated carbon filters reduce soluble lead using an ion-exchange filter medium with high specificity for soluble lead. Particulate filtration is used to intercept insoluble lead-containing particles. Standard 2.50" O.D. x 9.75" L filters will reduce lead, meeting NSF test protocol for over 2,500 gallons when operating at a flow of 0.75 GPM.

Chemical Adsorption

PB-1 filters offer high levels of chemical reduction in potable drinking water, including chlorine and other compounds that contribute to taste and odor.

Particulate, Cyst and Turbidity Reduction

PB-1 filters provide >99.984% reduction of 3-4 µm particulate, >99.96% reduction of 1-2 µm particulates, and are high performance sediment filters with extended life. Graded-density prefiltration combined with high dirt capacity extruded activated carbon provide several times greater life than molded filters.



PB-1 filters consist of activated carbon particles fused into a uniform block with enhanced adsorptive capacity and efficiency. These filters flow in a radial, outside-to-inside direction, providing increased dirt capacity and low pressure drop. Unlike more basic GAC filters, these cartridges will not channel or by-pass, due to extreme uniformity of the extruded activated carbon core. Service life of the PB-1 is greatly extended by two layers of prefiltration media consisting of 15 µm polypropylene spun-bonded outer pre-filtration layer and a 5 µm polypropylene melt-blown inner layer.

In addition to the detailed and technical information provided about this filter cartridge, please review the basic characteristics of carbon filtration regarding the removal of chlorine and other disinfectants, as well as, volatile organic containments (VOC's).

- See the UV Disinfection Module for additional capabilities and safeguards.



### UST-200 RL and the UV Module

The addition of a UV module provides for the safeguard against Bacteria, E-coli, Viral and other Microorganisms and Meets or Complies with NSF Standard 55.

**In use with: UC150, UU250 and UU350**

- Lamp Information: Life up to, or better, 1 year of continuous operation;  
Replace annually  
Testing information below
- Housing: 2"O.D. x 11.50" L;
- Bulb Wattage: 6 Watts
- UV Output: 30,000 micro-watts at maximum flow rate
- Inlet Water Temperature: 40-105° F
- Maximum Flow Rate: 85 PSI
- Maximum Static Temperature Rise: 16.1° F above ambient\*

\* Water will be warm when sitting. Simply, run water until cool.

- \* Lower Housing contains a 316 bonded stainless steel interior for better UV contact which maximizes killing power by reflecting UV light and the off-centered in/out, side ports allow water to spin through module to eliminate any shadowing or shading during UV contact.
- \* Upper Housing Cap seals module and contains opening and easy-to-clean quartz sleeve where UV lamp is inserted.
- \* UV Lamp (UST-200 RL) and electrical step-down transformer, both with snap-fit cap for easy lamp removal.
- \* Sight port allows consumer to see whether UV lamp is on.



UV Results: "The unit was effective in killing E-coli and significantly reducing the level of micrococcus luteus. Based on previous testing, the unit produces approximately 17,000 μwatt/seconds when operated at a low rate of 0.75 gallons per minute." TRUESDAIL LABORATORIES, INC., TUSTIN, CA, U.S.A. 1989 LABORATORY NO. 26995.

Organism Tested	Control Count	Exposed Count	Percent Reduction of Control
E-Coli	1,400,000	<1*	>99.99992
Micrococcus Luteus	500,000	1170	99.66
Micrococcus Luteus	500,000	850	99.83

The unit was tested by pumping bottled spring water seeded with E-coli (ATCC 8739) and Micrococcus luteus (ATCC 9341) through at a rate of 0.75 gallons per minute. The unit was allowed to warm up five minutes before testing. Samples of the exposed and non exposed water were taken and duplicate plate counts conducted (plate Count Agar, 35C, 48 hours). The results are given above.:

The UV lamp is effective through one year of continuous service and must be replaced annually to maintain a 99% effective rate.



**FDA, EPA and NSF Compliances**

**1) Please be advised all the materials and components utilized in producing these POE (whole home) and POU (sink) filtration, drinking water, and reverse osmosis systems comply with, but not limited to, one or more of the following regulating standards:**

NSF STANDARD 14	FDA 21 CFR 177.1520	FDA 21CFR 177.1640	FDA 21 CFR 177.1350
FDA 21 CFR 175.105	CAS # 7440-44-0	ANSI 304	CDA C360000
NSF STANDARDS 60 AND 61	NSF STANDARD 58	ANSI 302	ANSI 316
FDA 21 CFR 177.2600	FDA 21 CFR 175.300	FDA 21 CFR 177.2550	NSF STANDARD 52
NSF STANDARD 42	NSF STANDARD 18	FDA 21 CFR 177.2550	FDA 21 CFR 177.1655
FDA 21 CFR 177.1630	FDA 21 CFR 177.2800	FDA 21 CFR 175.300	FDA 21 CFR 177.2260
FDA 21 CFR 181.32	FDA 21 CFR 177.2660	FDA 21 CFR 177.1950	FDA 21 CFR 177.2910
FDA 21 CFR 177.2250	FDA 21 CFR 177.1680	NSF STANDARD 53	NSF STANDARD 55

**Most of these standards relate to the Code of Federal Regulations of the United States of America, Title 21, Charter 1, Subchapter B set forth by the U.S. Food and Drug Administration. The NSF (National Sanitation Foundation) standards correlate to materials and potable water.**

**2) Without exception every component included in any and/or all of our systems are compliant for food and beverage contact and/or meet or comply with the most current appropriate and applicable standards without exception.**

**3) Performance Guidelines:**

Follow EWS, Inc. detailed installation, start-up and maintenance instructions and follow all local plumbing codes. The feed water must comply with the following conditions for the system capabilities, compliances and warranties to remain valid.

- Water Temperature Range: 40-80°F; Water Pressure: 40-85PSI; All systems must be connected to main or cold water supplies (hot water not to flow through systems). Units always contain water-Do not allow unit to freeze.Do not use where water is micro-biologically unsafe or with water of unknown quality without adequate disinfection before or after the unit.
- Reverse Osmosis Systems Only - Never allow reject water to be stopped, without the reject water flow or improper drain connection impurities may build up on membrane. POE Units - Do not prevent backwash or brine lines to be stopped or restricted.

**4) Factory Preparation:**

All systems are factory prepared and checked to assure proper function and if applicable, quality tests of product water produced to assure that minimum standards of rejection have been met, tests of specific components to assure correct function and flow rate measurements to assure efficiency specifications are met.

**5) Know your water:**

- If on a municipal system, large or small, it is your right as a consumer to have access to the most recent test results and to expect adherence to federal guidelines, as well as, any state or local requirements. Any problems should be reported to the appropriate agencies. Please acquire those municipal test results to become an informed consumer.
- If on your own individual well, have your water completely and independently tested. Local code may require a simple test for coliform bacteria to approve a well, however you may be unaware of potential problems for you and/or your home. Review our section on well water testing and applications in our complete catalog or visit our website.

The contaminants or other substances removed or reduced by these and other water filtration devices are not necessarily in your water. Performance may vary based on local water conditions. To confirm the presence of any contaminants, have your water supply analyzed by an independent and approved facility. Not intended for use where water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after unit(s). To ensure proper operation, follow installation procedures. Filter maintenance schedule will vary and must be replaced, as necessary, as determined by usage and local water conditions. Contaminants and/or constituents, primary and secondary and aesthetic aspects of water, as known and acknowledged by the EPA and The Clean Water Act, will be the only basis with which test results and information will be accepted and validated.

Proper application (systems being used for the correct reason), setup, installation, startup and maintenance are crucial to insure proper water quality and warranties. Taste and aesthetics are personal and subjective.  
**See additional information for all filtration removal capabilities, r.o. rejection rates and system tolerances.**



## PRICING POLICY

EWS, Inc. has a current, published, and widely distributed, Pricing Guide that contains suggested list prices for certain water filtration and conditioning products ("Products") sold by EWS, Inc. ("Seller"). Seller assumes no obligation to sell to anyone any of the Products listed herein, known or unknown, at any price.

This current Pricing Guide has been prepared for the convenience of Seller's distributors and their customers. The list prices shown are guides only and do not purport to represent actual prices in any particular market and are not intended to interfere with the right and responsibility of Seller's distributors to establish their own resale prices.

All current prices herein set forth supersede all prior lists and are subject to change without notice. Seller may also, from time to time, change, modify, alter, improve and/or discontinue without notice the sale of any of the Products listed herein.

All seller's orders are accepted and delivered based upon the Terms and Conditions found on this Pricing Policy page, found in this Pricing Guide, available in all Seller's Product Manuals and reprinted on the reverse side of all invoices submitted and monthly statements sent. Please read them carefully. They provide information that is important to Seller's distributors and their customers.

## GENERAL TERMS AND STANDARD CONDITIONS OF SALE

Invoices are expressly limited to and made conditional upon the terms and conditions contained herein. Objection by Buyer to any of the terms contained herein shall be deemed to have been waived (if not previously waived) if written notice of the objection is not received by EWS, Inc. ("EI") within ten calendar days of the date of the first invoice or before part of the described goods are accepted by Buyer, whichever occurs first. Any additional or different terms proposed by Buyer are rejected unless assented to in writing by EI.

- 1. PRICES:** All prices are in U.S. dollars. Prices are subject to change without notice. Orders will be invoiced at prices prevailing at time of shipment. All prices are F.O.B. our warehouse, Southern California and exclusive of any shipping, delivery, packaging or handling charges that may apply.
- 2. TERMS OF PAYMENT:** The terms of payment on approved accounts only in U.S. dollars All past due accounts are subject to a charge of 11/2% per month (18% per annum) for each month or fraction of a month on the unpaid balance.
- 3. TAXES:** Prices do not include sales, use, excise or similar taxes. The amount of any present or future sales, use, excise or other tax applicable to the sale or use of EI's products or equipment shall be paid by the Buyer unless the Buyer shall have provided EI with a tax exemption certificate acceptable to taxing authorities.
- 4. ACCEPTANCE:** All purchase orders, from any distributor, are subject to acceptance by EI at its corporate offices in Las Vegas, Nevada and are subject to these Standard Conditions of Sale, unless otherwise expressly provided.
- 5. SHIPMENTS:** Delivery to carrier shall constitute delivery to customer. EI's responsibility terminates upon delivery in good order to carrier. All goods are shipped at the customer's risk. Any claim for loss or damage in transit should be made promptly by customer against carrier. These and other shipment terms are written clearly on the reverse side of all packing slips that accompany all accepted shipments. All costs of freight, transportation, handling, in-route storage, certification and other documentation are to be paid by Buyer. Any other terms will be issued to Buyer, in writing, with approved credit and an established EI/Buyer relationship.
- 6. DELAYS; FORCE MAJEURE:** EI shall not be liable for delays in delivery of the goods or failure to deliver the goods caused, in whole or in part, by inability to obtain transportation, equipment, or material, insurrection, fires, floods, storms, embargoes, action of any military or civil authorities, whether legal or de facto, strikes, labor difficulties, lockouts, acts of God, or other similar or different circumstances beyond the control of EI.
- 7. CANCELLATION:** The Buyer may not cancel all or part of an order without verifiable notification to, and acceptance by EI.
- 8. RETURN OF MATERIALS:** No Product may be returned to EI without written approval by a Company Officer. A restocking charge of 25% will be assessed (45% if unit had been used) NO EXCEPTIONS. Product must be returned freight pre-paid, boxed and in resale condition. EI will never take responsibility, under warranty or return, for improperly installed and/or misrepresented units.
- 9. SELLER'S SECURITY INTEREST:** EI shall retain a security interest in the goods sold hereunder until Buyer has paid in full for such goods provided by EI in connection therewith and has performed all of Buyer's obligations under this contract.
- 10. COLLECTION:** Buyer shall reimburse EI for all costs of collection, including reasonable attorney's fees, incurred by EI to collect any monies owing under this contract. A \$45.00 service charge will be invoiced on all returned checks and/or on all disputed and reversed chargebacks.
- 11. WAIVER AND MODIFICATION:** No waiver or modification of any of these Standard Conditions of Sale shall be effective unless such waiver or modification is in writing and signed by an officer of the Company in Las Vegas, Nevada. In event any part of these conditions be waived, or be held to be invalid by any competent court, the remainder shall continue in force and shall be interpreted as if such waived or invalid part were not contained herein. EWS, Inc. does not bear any responsibility for any additional or changed terms expressed by any distributor of EWS, Inc. product.

EWS, Inc. 06/83, 09/99, 01/03

**Contact Information**

- **Legal Name:** EWS, Inc.
- **Trade Name:** Environmental Water Systems
  
- **Correspondence Address:** 9101 W. Sahara Ave. #105-J8, Las Vegas, Nevada 89117
  
- **Office Telephone:** 702-256-8182
- **Office Fax:** 702-256-3744
  
- **Hours: Weekdays; 8:30 am to 4:30 pm, Pacific Standard Time;**  
Fax and Voicemail; 24/7/365
  
- **E-Mail:** [customerservice@ewswater.com](mailto:customerservice@ewswater.com)
- **WebSite:** [www.EWSWATER.com](http://www.EWSWATER.com)

**Water Filtration Qualifications and Applications**

Please know your water. If on a municipal system, large or small, it is your right as a consumer to have access to the most recent test results and to expect adherence to federal guidelines, as well as, any state or local requirements. Any problems should be reported to the appropriate agencies. Please acquire those municipal test results to become an informed consumer.

Please know your water. If on your own individual well, have your water completely and independently tested. Local code may require a simple test for coliform bacteria to approve a well, however you may be unaware of potential problems for you and/or your home. A local water salesman is looking to close a sale and is going to test for hardness minerals and a few simple and obvious issues, which may or may not be contamination problems. The solution is almost always the same and yet may provide no resolution to any true problems. Review our section on well water testing and applications in our complete catalog with your local distributor, dealer or our representative or visit our website.

**WARNING:** Some restrictions apply to the use of softeners. Contact your local municipal water district or Gov't Agency. Brine Discharge is already restricted on or may be a problem for septic applications and waste water treatment facilities. Since some states have already restricted softeners to metered valves to prevent excessive brine discharge, EWS, Inc. only provides metered valving in its' line of softeners.

Restrictions may also apply to hot-side only, salt-exchange tanks or services, or an outright ban. Local water dealers and other organizations do not inform consumers of these issues and believe these rules are unenforceable, however the consumer is ultimately responsible.

Softeners may also provide warranty issues with pools and spas, certain other products and finishes. Softened water should not be used for drinking, cooking, pets or plants and is usually bypassed or "looped away" from the cold side of the kitchen sink. Reverse osmosis, which also has its' drawbacks and issues with other products and materials, may be sold to remove the salt from the water that the softener put in at the kitchen sink, yet may be misapplied for the local water conditions.

**Standard Industry Terms**

The contaminants or other substances removed or reduced by these and other water filtration devices are not necessarily in your water. Performance may vary based on local water conditions. To confirm the presence of any contaminants, have your water supply analyzed by an independent and approved facility. Not intended for use where water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after unit(s). To ensure proper operation, follow installation procedures. Filter maintenance schedule will vary and must be replaced, as necessary, as determined by usage and local water conditions.

Contaminants and/or constituents, primary and secondary and aesthetic aspects of water, as known and acknowledged by the EPA and The Clean Water Act, will be the only basis with which test results and information will be accepted and validated.

**Limited Warranty**

Limited Warranty: EWS, Inc., a Nevada corporation, hereby warrants all products to the original consumer purchaser to be free from defects in material and workmanship as stated in the following paragraphs, and as may be addressed in General Terms and Standard Conditions of Sale in the following:

All counter, undercounter, shower, residential reverse osmosis and softener units or systems for one year from date of purchase. All Environmental Water Systems, pyrolox units, pH increasing reagent tanks and whole-home basic filtration systems for 10 years on the tank and the ICN conditioner (if applicable) and three years on the valve head. Filtration media and/or cartridges are not covered by warranty. Contaminants or other substances removed or reduced by any water treatment system are not necessarily in your water. Performance may vary based on local water conditions. To confirm the presence of any contaminants, have your water supply analyzed by an independent and approved facility. Not intended for use where water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after units. To ensure proper operation, follow installation procedures. Filter replacement schedule will vary and must be replaced, as necessary, as determined by usage and local water conditions.

EWS, Inc. will replace, free of charge, during the warranty period, any part which proves defective in material and/or workmanship under normal installation, use, service and proper care as mentioned in our detailed instructions, which can be obtained by a local dealer, distributor, representative or direct from EWS, Inc. and/or our web address; [www.ewswater.com](http://www.ewswater.com). Replacement parts can be obtained from your local dealer or distributor. This warranty is the exclusive warranty granted by EWS, Inc. and is in lieu of all other warranties of merchantability and fitness for a particular purpose and is further limited to defective parts replacement only. Labor charges and/or damage incurred in installation, repair or replacement as well as incidental and consequential damages connected there with are excluded and will not be paid by EWS, Inc.

Purchaser's responsibility is to keep your purchase receipt and/or installation receipt; failure to do so voids the warranty. If applicable, Purchaser should fill out any registration forms and register Product by telephone, fax and/or e-mail to designated address to obtain information and updates. To obtain warranty service, contact your local dealer or plumbing contractor or write to EWS, Inc., Customer Service or e-mail to; [customerservice@ewswater.com](mailto:customerservice@ewswater.com). EWS, Inc. to cover warranty service for 90 days from date of installation. A follow-up or check of any system install and operation by any persons, is not covered under any warranty, unless it has been determined there is an issue covered under warranties of product materials and workmanship. Under no circumstances will EWS, Inc. cover any service or warranties, in that or any time period, that has resulted from improper application, poor handling, set-up, installation, start-up procedure and/or lack of thorough follow through of installation procedures found on the unit and in all service guides, product manuals and websites.

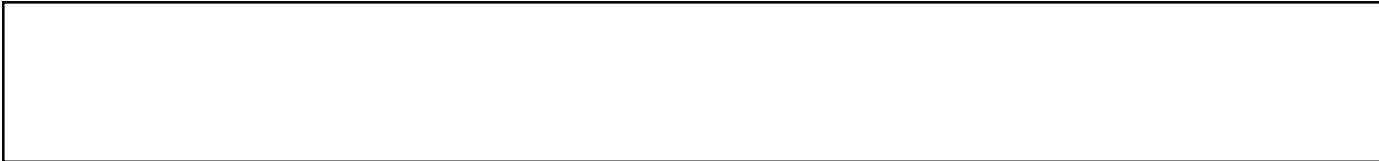
This warranty is void for any damages due to misuse, abuse, neglect, accident, improper handling, set-up, installation, and/or start-up or any violation of instructions furnished by EWS, Inc. or any replacement parts other than genuine parts supplied by EWS, Inc.

Any problems of water quality, and/or fitness of any EWS, Inc. product associated with any mechanical, construction, application and/or environmental issues (ie: flow rates, high or low PSI, piping materials, broken supply lines, changing water conditions; well or municipal water quality, et. al.), known or unknown, of the home or facility will not be considered by EWS, Inc. until such issue(s) have been resolved. Taste and aesthetics may be a personal issue and are strictly subjective and not related to the performance of any system.

Consumer must look to themselves, their builder contractor, the plumbing sub-contractor and any other installer of choice for the proper installation and application of any device manufactured by EWS, Inc. (or any other product for that matter). Items do not specify and/or install themselves. EWS, Inc. has provided many sources to acquire information on proper application of systems and their installation prior to any purchase. EWS, Inc. manufactures a complete product line of point of use water filtration systems and point of entry filtration, softening and/or conditioning systems and/or appliances. EWS, Inc. and the distributors of EWS, Inc. will stand behind the warranties of materials and workmanship, however EWS, Inc. and the distributors of EWS, Inc. and the Environmental Water Systems Product Line does not bear any responsibility for improper applications of product and/or improper installation. It is for this reason that EWS, Inc. provides complete information for your understanding, specification and selection, and proper application and installation.



The complete EWS, Inc./Environmental Water System product line from sink to whole-home, available through:



Available on the Internet through Authorized Retail Web Distributors and Business-to-Business E-Commerce Distributors.

Available through Authorized Building Wholesale Supply Locations, Kitchen & Bath Showrooms and Appliance Dealers, and their Building and Plumbing Contractors throughout the United States.



**EWS, INC.**

**Environmental Water Systems**

**A Complete Line of Water Filtration Product from Sink to Whole-Home**

**9101 W. Sahara Avenue #105-J8  
Las Vegas, Nevada 89117**

**Telephone: 702-256-8182 Fax: 702-256-3744**

**E-Mail: [customerservice@ewswater.com](mailto:customerservice@ewswater.com)**

**Visit us on the web at: [www.EWSWATER.com](http://www.EWSWATER.com)**

**Providing information to help consumers.  
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**EWS, Inc.**  
**and**  
**Environmental Water Systems**

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additional product needs or  
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**EWS, Inc. and Environmental Water Systems  
reminds you to register your product**

EWS, Inc. does not endorse any Distributor/Dealer and/or Kitchen and Bath Showroom over another. It is the goal of EWS, Inc. to provide the contractor and consumer with the most complete choices in water treatment and the best representation of that product through distribution.



## **For All Point of Use Systems:**

**Counter Units, In-lines,  
Drinking Water Filtration and Reverse Osmosis Systems**

## **For All Point of Entry Systems:**

**CWL/EWS Whole Home Appliances, Iron Removal  
Systems, pH Balancing and Softener Series**

**Keep This Care and Use Guide  
either in your kitchen “junk draw” or  
with the unit**

### **What Unit Do I Have?**

**See the information you have been supplied.**

### **What Do I Need To Replace and How Often?**

**See the filter code(s) for your system for easy  
reference of item(s), when to replace and how.**

### **What Else Do I Need To Know?**

**The Service Manual and Web Sites provide  
complete information on your product.**

**Register Your Purchase**