

ALL FILTRATION PRODUCT PROUDLY MADE & ASSEMBLED IN THE USA



# **EWS, INC.**

# **ENVIRONMENTAL WATER SYSTEMS**

**EWS, Inc. and Environmental Water Systems supports all older models and systems**

## **Essential Single-Stage InLine Filtration Product Booklet**

**Model # SS-1.0**

**ewswater.com**

**O:** 702.256.8182 (M-F 8:30am-4:30pm PST)

**F:** 702.256.3744

**E:** customerservice@ewswater.com

Complete Product Booklets and Service Guides for each system are available online and through customer service.

Information includes all schematics, technical information, removal capabilities, how to setup, install & startup each system as well as any troubleshooting and any other information we could think of in order to help you.

**Highest Quality Product & Award Winning Customer Service Since 1987**

Limited usage, limited space, point of use for drinking, cooking, ice, coffee

Model No.	Installed POU Supply Line Size	Service Flow Rate	Replacement Filter Set (Replace Annually*)
SS-1.0	up to 1/2"	up to .9 gpm	F.SET.SS-1.0



Model No. SS-1.0

SS single stage units come complete with filter, angle stop valve supply connection, 5 feet each of red and blue color-coded tubing, mounting bracket and a complete service manual.

No-Lead Compliant and Meets or Exceeds NSF Standard 42 and 53

Unit does not come with a dispenser.

Dispenser with optional finishes can be purchased with unit or separately. Any other dispensers can be installed with this unit.

### Complete Filter Replacement Set for Essential Single Stage Unit



F.SET.SS-1.0

System Model No.	Filter Set Replacement: Item No.
SS-1.0	F.SET.SS-1.0

\*Replace:  
All filters up to one year. <sup>1</sup>

Please note: Filter sets shown above for illustration purposes only

<sup>1</sup>All filter replacement is based on local water conditions and usage. Always replace as needed and not beyond recommended time limit. Applicable to most municipally-treated water. Well water needs to be properly and completely tested before any specification of any filtration and treatment system(s)

**Complete technical specifications for each filter and UV (if applicable) and what they do and how they perform can be found on the following pages**

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### Dispenser/Faucet Options

Long-reach, swivel water dispensers



Dispenser/Faucet Options:	If Ordering with System
Chrome with White Tip & Handle	add: -CH-WH to Model No.:
Chrome with Black Tip & Handle	add: -CH-BL to Model No.:
Special Finishes below all come with Black Tip & Handle	
Satin Nickel	add: - SN to Model No.:
Polished Nickel	add: - PN to Model No.:
Polished Brass	add: - PB to Model No.:

### Optional Pressure Limiting Valve

Highly recommended to prevent pressure surging. Pressure should be limited to max. 75 psi



Item No.: PLV-60-14      Install in-line on feed line to sink system

Complete Service Manuals on all Essential SS Units, DWS Systems and all Essential RO Systems are included with all systems and are available online at [ewswater.com](http://ewswater.com)

EWS provides complete information for the proper setup, installation, start-up and maintenance of all systems. Information is complete and should be compared to what other manufacturers offer their customers.

**ALL FILTRATION PRODUCT PROUDLY MADE & ASSEMBLED IN THE USA**





All Product Tearsheets Available Online @ ewswater.com

## ESSENTIAL Single Stage

Limited space? Improve your water quality and taste at your wet bar, ice maker, or faucet.

- World-class EWS quality and performance.
- Highest quality carbon block filtration available.
- Hassle-free and low maintenance.
- Quick and easy installation.
- Made in the USA, meets or exceeds all compliances.
- Protects you from chloramine (chlorine and ammonia compound), chlorine, THMs, VOCs, pesticides, lead, cysts, rust, silt, sediment, and more.<sup>2</sup>

*Chlorine (a common disinfectant used in USA tap water) and its byproducts are known carcinogens. Drinking them, or inhaling and absorbing them while showering or bathing, is not recommended.\* The New York State Dept. of Health and President's Cancer Panel recommend water filtration to reduce or eliminate our exposure to these substances.*



**NO MORE WASTED MONEY. NO MORE PLASTIC BOTTLES.**  
The **ESSENTIAL** single stage can be used in-line for many limited applications. You will save at least \$500 every year in bottled water expenses and prevent plastic waste in our landfills and oceans. Simply fill up your reusable bottle at your sink and go!



**PROTECTION FOR YOU, YOUR HOME, AND OUR PLANET.**  
The **ESSENTIAL** is designed for today's adverse water conditions and anticipated conditions in the future. This single stage filter is capable of handling chloramine, chlorine, dyes, fuels, pharmaceutical residues, lead, cysts, and more.<sup>2</sup> The result is truly clean water you can trust and enjoy.



**ESSENTIAL MAX FLOW or DRINKING WATER.**  
Our **ESSENTIAL** drinking water filtration systems utilize our full bed depth, fully compliant, USA-made filters to handle difficult contaminants like chloramine (chlorine and ammonia compound). It is the very first sink filtration system that effectively protects you from chloramine, chlorine, THMs, lead, cysts, bacteria<sup>1</sup> and much more.<sup>2</sup>



**ESSENTIAL RO.**  
**ESSENTIAL Reverse Osmosis** systems are available to suit specific water conditions or personal preferences. For example, if you prefer a flatter taste or are allergic to fluoride, then our **ESSENTIAL RO** may be right for you. Call EWS customer service at 702.256.8182 for more information.



**\*FILTER ALL THE WATER IN YOUR HOME WITH ONE SYSTEM.** Every sink, shower, and bath in your home could provide you with chlorine-free & pollutant-free water. No hassle, no maintenance, no salts or chemicals, and trusted by hospitals, health care centers, military, and private homes worldwide. For more information on EWS Central Water Filtration, visit us online at [www.ewswater.com](http://www.ewswater.com) or call EWS customer service at 702.256.8182 (Mon.-Fri. 8.30 am - 4.30 pm Pacific Time).

# TECHNICAL INFORMATION

## ESSENTIAL SINGLE STAGE FILTRATION

### MODEL #: SS-1.0

All Product Tearsheets Available Online @ [ewswater.com](http://ewswater.com)

#### SYSTEM SPECIFICATIONS

**OPERATION TEMPERATURE:** Maximum 100° F (38° C) / Minimum 40° F (4° C)

**OPERATION PRESSURE:** Maximum 75 psi / Minimum 30 psi

**SYSTEM FLOW RATE:** <1.0 gallons per minute (gpm)

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Replace your filter annually or as needed (do not exceed 1 year). Install in cold water supply only. Install in compliance with local and state regulations.

All installation instructions, service manuals, technical and product information is available online at [www.EWSWATER.com](http://www.EWSWATER.com)

MODEL #	REPLACEMENT FILTER SET #
SS-1.0	F.SET.SS-1.0 (Includes: F-GAC-B)

SERVICE LIFE ON FILTERS:  
UP TO 1 YEAR.\* REPLACE YOUR  
FILTERS ANNUALLY OR AS NEEDED.  
DO NOT EXCEED 1 YEAR.

Fully Compliant  
with California  
No-Lead Standards.

#### FILTER SPECIFICATIONS

ITEM #: F-GAC-B

**DESCRIPTION:** Post-Filter Carbon Block (1 Micron)

**PURPOSE:** Advanced filter for chlorine, chloramine (chlorine and ammonia compound), lead, cysts, VOCs, and more.

**FEATURES & BENEFITS:** Increased surface area, enhanced adsorption, excellent performance in a carbon block form.

**CONSTRUCTION:** Activated carbon block.

**SERVICE LIFE:** 1 year†

**MAX. FLOW:** <1.0 GPM / 3.4 LPM

**MAX. PRESSURE:** 75 PSIG / 5.17 Bar

**TEMPERATURE RANGE:** 40-100° F / 4-38° C

NSF

COMPONENT

This filter element tested and certified under ANSI/NSF Standard 42 & 63 for materials only.

The **ESSENTIAL Single Stage InLine** unit comes complete fully assembled. The unit comes with everything you need for a proper installation: angle stop valve connection, red and blue tubing (5 ft. each), and mounting bracket.

This model does not include a faucet or dispenser. A dispenser faucet can be purchased separately, or you may upgrade to an **ESSENTIAL Drinking Water System** (model #DWS or #DWS-UV).

The **ESSENTIAL Single Stage InLine** offers full bed depth filtration and superior performance compared to the limited capacities of common in-line filters, such as filters found in refrigerators. The **ESSENTIAL Single Stage** can be used in-line for many limited applications. However, it is not meant to replace the upgraded performance and capabilities of proper drinking water systems, reverse osmosis systems, or whole home filtration appliances.

Pictured at Right:  
Exploded view of  
our **ESSENTIAL  
Single Stage  
InLine** unit.



†Filter service life is based on local water conditions and usage.

\*\*UV upgrade is available pre-assembled as model# DWS-UV.

<sup>1</sup> UV upgraded systems only.

<sup>2</sup> These substances may or may not be in your water. Please ensure this is the correct system for your needs. Please see included instructions for proper installation and usage.

**UNIT SIZE:** 3" x 15" (allow 4" clearance at the bottom of the unit for filter replacement maintenance)

**SHIPPING CARTON SIZE:** 5" x 5" x 15"

**SHIPPING CARTON WEIGHT:** 2 lbs.



CALL EWS CUSTOMER SERVICE: 702.256.8182 (MONDAY-FRIDAY 8.30 AM-4.30 PM PACIFIC TIME)

FAX: 702.256.3744 EMAIL: [CUSTOMERSERVICE@EWSWATER.COM](mailto:CUSTOMERSERVICE@EWSWATER.COM)

[WWW.EWSWATER.COM](http://WWW.EWSWATER.COM)

F-GAC-B Filter:                    The single stage in all single stage in-line units

### Versatility of Process

Filters allow the bonding of single or multiple types of extremely small sized particles onto a single support structure. For example, fine powdered lead sorbents bonded onto larger carbon support structures. This unique feature enables EWS to produce complex composite filtration media that can meet the requirements of complicated water contamination problems.

### Increased Surface Area

The ability to bond extremely fine powdered media onto larger support particles results in increased surface area and improved kinetic efficiency. Instead of having one large particle available for filtration purposes, EWS technology makes possible the bonding of thousands of fine particles onto the surface of the larger support particles which greatly increases the surface area of the composite media.

### Enhanced Kinetics

The process of increasing the surface area of a media enhances the adsorption kinetics and catalytic effects of that media. Consequently, EWS technology allows us to use less media and still achieve similar or superior filtration results. As a result, with this technology, we are now able to design smaller, more aesthetically appealing filtration devices with excellent performance characteristics.

### Improved Performance

EWS carbon media for cartridge and block has improved catalytic and adsorption characteristics because of the increase in surface area and kinetic activity. Test results have proven that EWS composite adsorption products exceed the performance characteristics of simple, one component, granular based products.

### Standard 42 Aesthetic Effects/Standard 53 Health Effects

Parameter	US EPA MCL	Influent Challenge	Effluent Average	Effluent Maximum	Percent Reduction Average	Percent Reduction Minimum
Chlorine	-	2.0 mg/L	0.03 mg/L	0.06 mg/L	98.5	97
Cyst	99.95% Reduction	111,750 Particles/ml	1 particle/ml	2 particles/ml	99.99%	99.99
Lead pH 8.5	15 ug/L	135 ug/L	5.5 ug/L	13 ug/L	95.9%	90
Lead pH 6.5	15 ug/L	149 ppb	1 ug/L	1 ug/L	99%	99

### Notes Regarding NSF Compliant Testing

The F-GAC and F-GAB-B were challenged to remove 2 mg/L of chlorine where the average effluent in most tap water can be approximately .5 mg/L and a maximum up to 1.5 mg/L.

The challenge level of chlorine is much higher than found in treated tap water and makes the assumption for chloramine found as an alternative treatment method to disinfect tap water.\*

The challenge of each filter resulted in a minimum chlorine reduction of only 97% and an average of 98.5% over 1,500 gallons at .9 gpm with a lead and cyst removal of 90 to 99% based on variances in pH range.



### Note:

The lead and cyst testing was done where the amounts tested were 10 times the allowable limit set by the EPA.

### Why EWS Uses Multiple Filters?

In order for good taste to actually equate to good quality and health, EWS uses 3 filters. A 5 micron (human hair is up to 20 times larger) Pre-Sediment Filter is used to protect and allow the Advanced Carbon Filters to perform at peak efficiency. Two (2) Advanced Carbon Filters are used as separate stages. Filtration becomes more effective as water passes through the first Carbon Filter and then through the final 1 micron Carbon Block to complete the filtration process.

A second pass for the water to be filtered through an additional stage is more effective than one pass through one multi-media filter (a filter with multiple materials) based on total filter bed depth, surface area and contact time to effectively remove contaminants. (See Carbon Filter Removal Chart for All Essential Filtration Systems)

\*Chloramine is a compound comprised of chlorine and ammonia. For the removal of this compound to be effective, carbon must be able to have catalytic and kinetic capabilities of drawing the chlorine and attached ammonia onto the surface area of the carbon and drawing it into the interior surface area of the carbon granule. Greater surface area and contact time is necessary for adequate removal over the life of the filter cartridge.

### Warning:

Most filters may remove the chloramine for a short time (taste only) until they become incapable of removing the entire compound. Single stage filters, multi-media filters, refrigerator filters, pitcher, carafe and faucet filters simply reduce the chlorine and allow the ammonia portion of the chloramine compound to shear off and render the filter useless as a foul or bad taste becomes evident and are limited by their filtration capacities. Therefore, similar to bottled water, taste becomes the actual consumer standard and not the health of the water or actual contaminants removed.





F-GAC advanced carbon filter meets or complies with NSF Standard 42 for reduction of Chlorine and other Volatile Organic Compounds. The cartridge utilizes a high performance advanced kinetic and catalytic granular activated carbon which provides exceptional filtration capacity and effectively reduces by an average of 98.5% chlorine, voc's, bad taste and odor in drinking water.

### About Municipally-Treated Water

Municipal water is heavily regulated, monitored, tested, filtered and treated. Most taste, quality and health issues are directly related to the treatment or disinfection of the water and their by-products, as well as man-made pollutants common to most water (see reference #'s below generally between 3 to 5). Issues with heavy metals and primary contaminants (see reference #'s below generally between 0 to 2) are highly regulated and effectively treated by water utilities. These contaminants are rarely an issue with water quality.

### How to Use the (GAC) Carbon Filtration Reference Chart

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.

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	3	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
Defoliant	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 FOR CARBON FILTRATION:

**5 - EXCELLENT:** Proven Application    **4 - VERY GOOD:** Proven Application    **3 - GOOD:** Very Acceptable Result  
**2 - FAIR:** limited application    **1 - POOR:** not a recommended application (See RO)    **0 - Not applicable** (See RO)

- Carbon Block technology has additional filtration capabilities and is the last stage in all EWS Essential Drinking Water Systems. See additional information.
- UV Disinfection for greater safeguards (DWS-UV, optional with Reverse Osmosis). See additional information.
- To prevent the absorption and inhalation of chlorine, chloramine, VOCs, by-products and pollutants. See CWL or EWS Whole Home Systems for GAC filtration to the entire home for bathing, showering and all uses.

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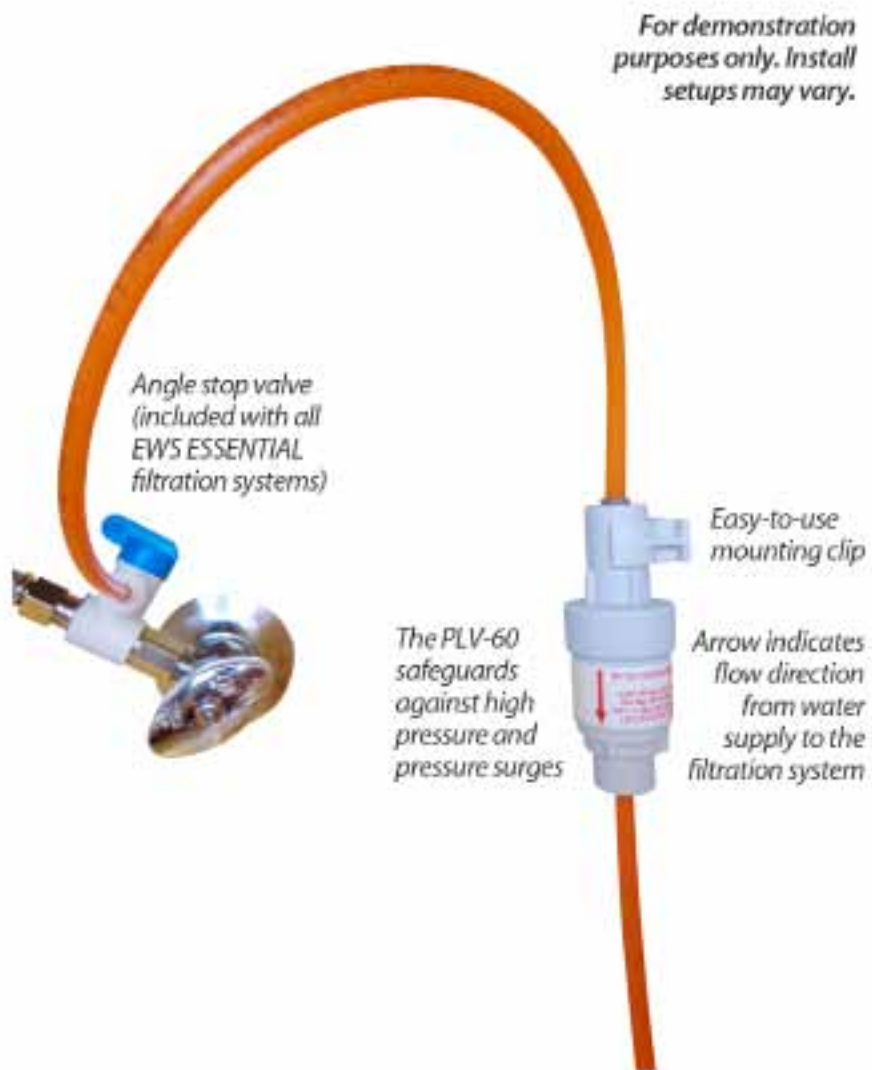






## Highly Recommended

- This device is of vital importance to safeguard against high pressure or pressure surges above 60 psi.
- Many point of use product such as heaters and chillers have warranty issues with water supply pressure that may exceed 60 psi.
- All point of use (sink) filtration product function best above 40 psi but should be limited to 60 psi for optimum performance and product longevity. Warranty pressure should not exceed 75 psi.



Item #: PLV-60-14

**High pressure system to protect drink dispensers, water filters, ice makers, coffee machines, chillers (cold water systems), hot tanks (hot water systems) and other devices**

Easy to install at supply side (cold water only) before any device.

Simple connection with supplied quick connect fittings to 1/4" tubing.

- Integral Dual Check Valves
- Resists Water Hammer
- Stops backflow
- Supplied with mounting clip

Manufacturer strongly suggests that PLV-60-14 be replaced up to every 5 years based on usage and conditions.

### CAUTION:

Installation of the PLV-60-14 is highly recommended on the 1/4" incoming supply or feed lines for all Point of Use or Sink Filtration Systems with 1/4" lines as a safeguard only. Constant high pressure, pressure surges or water hammer are problems that need to be addressed at the source or cause.

For this part, please contact EWS Customer Service for a distributor near you or visit an authorized online distributor @ [www.waterontheweb.com](http://www.waterontheweb.com)

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**FDA\*, EPA and NSF\*\* Compliances**

Please be advised that all the materials and components utilized in producing all POU (Point of Use) drinking water filtration and reverse osmosis systems, and all POE (Point of Entry) filtration, conditioning and softening equipment, by EWS, Inc., comply with, but are 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 STANDARD 60	NSF STANDARD 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	CAAB1953		

- \*The standards listed above 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. The National Sanitation Foundation is not a government agency.

**Furthermore, and without, exception every component included in all POU and POE systems by EWS, Inc. are compliant for food and beverage contact and/or meet or comply with the most current, appropriate, and applicable standards without exception.**

All EWS product has been independently tested to NSF standards by an accredited third-party laboratory for all claims made regarding NSF/ANSI standards.

**Please take note of this helpful and enlightening information on this confusing subject:**

Contrary to common belief and less than truthful marketing, drinking water treatments units are NOT required to be "NSF Certified" (as tested by NSF itself), but they must be independently tested to applicable NSF standards by an accredited, independent laboratory. Though the test standards bear the NSF/ANSI name, NSF is just one of many accredited institutions.

- All EWS Product is No-Lead Compliant to California AB1953 and the No-Lead Standards which will take effect throughout the USA as of 2014.

**Factory Preparation:**

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

**Product Performance:**

- ◆ For all product capabilities, compliances and/or warranties to remain valid, all systems are dependent upon proper application, specification, and installation of any specific unit and/or combination of units.
- ◆ Please know your local or individual water condition(s), and plumbing application(s). Please review system(s) capabilities, applications, setup, installation, startup, maintenance, and related warranties.
- ◆ Detailed information is published in EWS Product Manuals and specific Product Service Guides (included with each specific unit) and made available upon request throughout US distribution and/or EWS corporate offices. All current information is available online @ [www.ewswater.com](http://www.ewswater.com)

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**Summary of Performance Guidelines, Factory Preparation, Product Performance, and Compliances**

Product performance may vary based on local water conditions, proper product specification and application, proper plumbing application, setup, installation, startup, maintenance and/or usage. To ensure proper operation, follow all setup, installation, start-up and maintenance procedures as detailed in all service guides. In addition, follow all applicable local plumbing codes.

The feed water must comply with the following conditions for all systems capabilities, compliances, and warranties to remain valid. All commercial POU and POE systems: Performance guidelines and feed water compliance dependent on specification and application, please consult with EWS, Inc. upon specification.

Water Temperature Range:	minimum 40°F, maximum 80°F		
Water Pressure:	Point of Use (POU):	minimum 40 psi, maximum 75 psi;	
	Point of Entry (POE):	minimum 40 psi, maximum 75 psi	
Water Flow Rates:			
Point of Use (POU):	water supplied to residential sink product:	at a minimum of 1 gpm	
Point of Entry (POE):	water supplied to tanks up to 1054:	at a minimum of 8 gpm	
	water supplied to 1354 tanks:	at a minimum of 12 gpm	

All product must be connected to main or cold water supplies. Product not intended to be connected to hot water supplies or allow heated water to flow through systems. Contact EWS, Inc. for product available for this purpose.

All product contain water. Do not allow any product to freeze.

Do not use where water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the unit(s).

Reverse Osmosis Systems Only: Never allow reject water to be hindered or stopped, without the reject water flow or improper drain connection, impurities may build up on membrane.

Point of Entry (POE) Units: Do not prevent backwash or brine lines to be stopped or restricted. Create and allow air gap to prevent any cross contamination.

**Compliances:**

Please be advised that all the materials and components utilized in producing all POU (Point of Use) drinking water filtration and reverse osmosis systems, and all POE (Point of Entry) filtration, conditioning and softening equipment, by EWS, Inc., comply with, but are not limited to, any one or more of the appropriate regulating standards. Furthermore, and without exception, every component included in all POU and POE systems by EWS, Inc. are compliant for food and beverage contact and/or meet or comply with the most current, appropriate, and applicable standards without exception.

**Factory Preparation:**

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

**Product Performance:**

- ◆ For all product capabilities, compliances and/or warranties to remain valid, all systems are dependent upon proper application, specification, and installation of any specific unit and/or combination of units.
- ◆ Please know your local or individual water condition(s), and plumbing application(s). Please review system(s) capabilities, applications, setup, installation, startup, maintenance, and related warranties.
- ◆ Detailed information is published in EWS Product Manuals and specific Product Service Guides (included with each specific unit) and made available upon request throughout US distribution and/or EWS corporate offices. All current information is available online @ [www.ewswater.com](http://www.ewswater.com)

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## Warranty Notification

**Notification:**

This warranty is referenced by EWS, Inc. in all literature, addressed in General Terms and Standard Conditions of Sale, and is published in its entirety in all EWS, Inc. product manuals, websites, and in all service guides supplied with all product.

**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:

- All residential point of use: countertop filtration, in-line filtration, undercounter drinking water filtration, shower filtration, residential reverse osmosis, and canister and filter cartridge point of entry pre-sediment and/or filtration units or systems for one year from date of purchase.
- All residential point of entry: pH decreasing and softener (resin and ion-exchange) systems, Environmental (EWS) Water Systems, Iron Removal units, CWL whole-home (filtration media) systems, pH increasing reagent (sacrificial media) units for 10 years on the tank and riser, 10 years on the ICN conditioner(s) (if applicable) and 5 years on the valve head from date of purchase.
- All commercial systems: Dependent on specification and application, please consult with EWS, Inc. upon specification.
- All filtration medias, resins, cartridges, uv lamps, and/or membranes are not covered by any warranty. Filter media, resin, cartridge, uv lamp, and/or membrane replacement or maintenance schedule will vary and must be replaced, as necessary, as determined by usage and local water conditions.

Product performance may vary based on local water conditions, proper product specification and application, proper plumbing application, setup, installation, startup, maintenance and/or usage. To ensure proper operation, follow all setup, installation, start-up and maintenance procedures as detailed in all service guides.

Not intended for use where water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after unit(s). The contaminants or other substances removed or reduced by these and any other water filtration or treatment devices are not necessarily in your water. To confirm the presence of any primary and secondary contaminants, have your water supply completely analyzed by an independent and approved facility or if applicable, contact your local water utility for information. Aesthetic, non-health related, or constituents without set federal standards may be part of water testing but are insufficient to determine proper application of any water filtration or treatment device.

EWS, Inc. will replace, free of charge, during the warranty period, any part which proves defective in material and/or workmanship under proper product and plumbing specification and application, normal and proper installation, use, service and proper care as published in detail in all service guides included with product. Labor charges are excluded from any warranty service or repair and are not the responsibility of EWS, Inc. Shipping charges may apply to delivered replacement parts or materials. Charges may also apply for the cost of any replacement media, resin, cartridges, uv lamp and/or membrane from any warranty service or repair. Information can be obtained at any time through a local dealer, distributor, representative or direct from EWS, Inc. and/or on-line at; [www.ewswater.com](http://www.ewswater.com). Replacement parts can be obtained from your local dealer, distributor, online or contractor.

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 setup, installation, and startup, or repair, or replacement, as well as, incidental and consequential damages connected there with, are excluded, and are not the responsibility of, and will not be paid by EWS, Inc.

This warranty is void for any damages due to improper product and/or plumbing specification and/or application, misuse, abuse, neglect, accident, acts of nature, action of any military or civil authorities, improper handling and transportation, or improper setup, installation, and/or startup, or any violation of instructions furnished by EWS, Inc., or any replacement parts other than genuine parts or replacements supplied by EWS, Inc.

This warranty is not a warranty of merchantability, fitness, taste, aesthetics, and/or performance that may be subject to improper product and/or plumbing specification and/or application, misuse, abuse, neglect, accident, acts of nature, action of any military or civil authorities, improper handling and transportation, or improper setup, installation, and/or startup, or any violation of instructions furnished by EWS, Inc.

This warranty is not a warranty of merchantability, fitness, taste, aesthetics, and/or performance that may be personal and of subjective opinion and that does not relate to the performance of any system.

## Warranty Information and the Purchaser's Responsibility

Keep a record of the purchase receipt and/or installation receipt. Purchaser is required fill out warranty registration form(s) on applicable product(s) and register all product by either online @ [www.ewswater.com](http://www.ewswater.com), telephone, postal delivery, fax, e-mail (either [register@ewswater.com](mailto:register@ewswater.com) or information provided to [customerservice@ewswater.com](mailto:customerservice@ewswater.com)). **Failure to do so voids the warranty unless restricted by state regulations.**

EWS, Inc. does not sell, show or make available any information on any consumer in our database. This database is to ensure, if needed, proper warranty service, and good customer service for years to come. Please see our privacy policy published in our website at [www.ewswater.com](http://www.ewswater.com).

**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 an 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. Their solution is almost always the same and yet may provide no resolution to any true problems. Obtain our "Guide for the Private Well Owner" on our website; [www.ewswater.com](http://www.ewswater.com). 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 on an outright ban may also apply to hot-side only, salt-exchange tanks or services. Local water dealers and other organizations do not inform consumers of these issues and believe these rules are unenforceable. 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 used to remove the salt from the water that the softener put in at the kitchen sink, yet may be misapplied for the actual local water conditions.

Any problems of water quality, or the fitness of any EWS, Inc. product that is associated with any mechanical, construction, application, installation, and/or environmental issue(s) (ie: flow rates, line pressure, 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.

Responsibility for the proper product and/or plumbing specification, application and/or installation of any device manufactured by EWS, Inc. lies with the consumer, their builder contractor, plumbing sub-contractor and any other installer of choice. Items do not specify and/or install themselves. EWS, Inc. has provided many sources to acquire information on the 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 do not bear any responsibility for improper applications of product and/or improper installation. It is for this reason that EWS, Inc. provides complete information on all product for your understanding, specification, application and selection, and proper plumbing application and installation.

To obtain warranty service support, contact your local dealer or contractor from whom you obtained the product or contact EWS, Inc., Customer Service, via phone, fax, or email.

**ALL FILTRATION PRODUCT PROUDLY MADE & ASSEMBLED IN THE USA**



**[www.ewswater.com](http://www.ewswater.com) O: 702.256.8182; M-F 8:30am-4:30pm PST E: [customerservice@ewswater.com](mailto:customerservice@ewswater.com)**

The EWS, Inc./Environmental Water System Product available through:



Authorized Kitchen & Bath Showrooms, Appliance Showrooms, Building & Plumbing Wholesale Supply Locations and their building, plumbing, HVAC and service contractors, and Authorized Online Distributors.



Contact Information:

## **EWS, INC. Environmental Water Systems**

**ewswater.com**

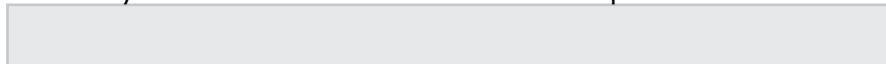
**O:** 702.256.8182 (M-F 8:30am-4:30pm PST)

**E:** customerservice@ewswater.com

**F:** 702.256.3744

### **Got a Question..?**

Seriously.... Give us a call. We're here to help.



**ALL FILTRATION PRODUCT PROUDLY MADE & ASSEMBLED IN THE USA**



**EWS is a Proud Contributor and Sponsor of Organizations Dedicated to Improving  
Health, Well-Being and the Environment**

- Heart • Lung & Respiratory • Allergy & Asthma • Dermatology & Skin • Digestive: Crohn's & Colitis •  
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