



MADE IN USA



S I N C E 1 9 8 7

# THE LEADER IN WHOLE HOME WATER FILTRATION

EWS SPECTRUM WATER FILTRATION & CONDITIONING APPLIANCES



**ENVIRONMENTAL WATER SYSTEMS®**  
*The Leader in Whole Home Water Filtration Since 1987.*  
[WWW.EWSWATER.COM](http://WWW.EWSWATER.COM)



# “AMERICA’S WATER IS NOT SAFE. EVERY HOME SHOULD FILTER THEIR WATER FOR DRINKING AND BATHING.”

## 1 HEALTHY HOME & LIFESTYLE

EWS provides clean, quality filtered water throughout your entire home for all uses. EWS protects you and your family from consuming, absorbing, and inhaling carcinogenic (cancer-causing) pollutants while bathing, showering, and drinking. Enjoy healthy water for cooking, making coffee or tea, soaking in the tub, or taking a shower.

An increasing number of families are purchasing EWS appliances to remove chlorine and chloramine, which can exacerbate respiratory problems, and asthma and allergy symptoms.

“Taking showers is a health risk. Showers and baths lead to a greater exposure to toxic chemicals contained in water supplies than does drinking water. The chemicals are absorbed and evaporate out of the water and are inhaled. They can also spread through the house and be inhaled by others.”

— *New Scientist Magazine*

## 2 ENVIRONMENTALLY-FRIENDLY, USA-MADE APPLIANCE

Enjoy the hassle-free convenience of filtered water at every sink and shower in your home. No more frequent filter replacements. No more buying plastic bottles of water. No more showering in carcinogenic chlorinated water.

EWS filtration replaces expensive, wasteful bottled water and the need for most other filtration. You will be able to simply fill up your reusable bottle at any sink in your home and go.

EWS appliances are made in the USA, self-cleaning, and require no chemicals or salts. The only maintenance is a simple filter replacement once up to every 10 years.<sup>1</sup> Furthermore, EWS proprietary filtration media is biodegradable and disposable in your garden.



*Enjoy the savings and convenience of not having to buy bottled water*



*Enjoy delicious, healthy water from every tap*

## 3 PROTECT YOUR PLUMBING, APPLIANCES & FIXTURES

EWS filtration will prevent damage to your home’s plumbing, appliances, surfaces, and fixtures caused by corrosive chlorine and chloramine.

If you have hard water, EWS Series conditioning inhibits scale formation in water heaters and pipes, solving problems associated with the naturally found calcium and magnesium (hardness) minerals without the use of any chemicals, harmful salts, or a “slippery feeling” while showering or bathing.



*Experience shiny hair, smooth skin, and a healthier body*

<sup>1</sup>Replacement timeframe based on local water conditions and usage.



# EWS WHOLE HOME WATER FILTRATION IS THE STANDARD IN EVERY HOME.

## LIKE CENTRAL HEAT AND AIR, HOMEOWNERS WANT THE CONVENIENCE OF CENTRAL WATER.

Since 1987, EWS has pioneered central water filtration and is the leader in whole home filtration appliances, trusted by hospitals, health care centers, military, high-end hotels, and private homes worldwide.

Like central heat/AC and air filters that improve your air quality, EWS central water filtration improves your water quality by removing contaminants from your tap water or well water.

The President's Cancer Panel annual report, *Reducing Environmental Cancer Risks: What We Can Do Now*, states: "Individuals and families have many opportunities to reduce or eliminate chemical exposures...filtering home tap water or well water can decrease exposure to numerous known or suspected carcinogens or endocrine-disrupting chemicals."

## TOP 8 BENEFITS OF EWS CENTRAL WATER FILTRATION

1. Chlorine-free, filtered water to every sink and shower.
2. Protects you and your family from drinking, absorbing, and inhaling carcinogenic (cancer-causing) water pollutants.
3. Hassle-free, self-cleaning, user-friendly appliance that only requires a filtration media change-out up to every 10 years.<sup>1</sup>
4. Alleviate symptoms of asthma and allergies by providing chlorine-free filtered water for showering and humidifiers.
5. Eliminates the need for most sink filtration systems and the gimmicks of small showerhead and faucet filters, refrigerator filters, and carafe or pitcher filters.
6. Stops the destructive effects of chlorine – dry skin, brittle hair, skin irritations, and red itchy eyes.
7. Eliminates the need for expensive plastic bottles of water, which helps your budget and the planet.
8. Unparalleled customer service, satisfaction, and expertise – at EWS, top-performing USA-made filtration is all we do.

“Chlorine is used to disinfect water. Exposure through inhalation, ingestion and contact will cause eye, skin and airway irritation, sore throat, cough and corrosive tissue damage of the gastrointestinal tract. Children are at increased risk due to greater lung surface to body weight ratios.”

— New York State Department of Health





# THE SPECTRUM IS THE RIGHT PRODUCT FOR YOU, YOUR FAMILY & YOUR HOME.

## SPECTRUM – THE CONTRACTOR SERIES

Our most versatile systems, showcased by the National Association of Home Builders (NAHB) and New American Showcase Home. World-class EWS performance in a contractor-friendly install package. All Spectrum Series systems utilize our advanced, user-friendly digital valve head and adjustable bypass, which fits over 90% of homes in the United States and accommodates line sizes 3/4" to 1 1/2" without inhibiting flow rate or pressure. A Spectrum installation is a simple process, much like installing a water heater. Once installed, the self-cleaning Spectrum systems provide maintenance-free filtration for years, allowing you to enjoy the convenience, protection, and health benefits of the highest quality filtered water at every tap, every day.

### DO YOU HAVE HARD WATER?

YES

Some of us have harder water than others, and EWS generally considers 6 grains (102 ppm or mg/l) of hardness to be on the lower end of hard water. Select YES if you have hard water issues such as excessive spotting or mineral build-up in pipes, faucets and water heaters.

NO

### DOES YOUR CITY USE CHLORINE OR CHLORAMINE?

**EWS SERIES** Whole Home Water Filtration and Conditioning for Hardness Minerals.

SELECT BY USAGE.\*\*

CHLORAMINE

**EWS CC 1465**

Select this system if you have ALL of the following:\*\*

- 3 bathrooms or less
- 4 people or less
- 1 water heater

**EWS CC 1865**

Select this system if you have ANY of the following:\*\*

- 3+ bathrooms
- 4+ people
- 1+ water heater

CHLORINE

**EWS SPECTRUM**

Model #: CS-EWS-1354-7000 Pro Series. Our most versatile unit. Showcased by NAHB. Adjustable for 3/4" - 1 1/2" main water line. Up to 35 gpm.

The EWS Spectrum is applicable to the majority of homes on municipal (city) water in the United States.



### DOES YOUR CITY USE CHLORINE OR CHLORAMINE?

**CWL SERIES** Whole Home Water Filtration for Water Without Hardness Issues.

SELECT BY USAGE.\*\*

CHLORINE

**CWL SPECTRUM**

Model #: CS-CWL-1354-7000 Pro Series. Our most versatile unit. Showcased by NAHB. Adjustable for 3/4" - 1 1/2" main water line. Up to 35 gpm.

CHLORAMINE

**CWL CC 1465**

Select this system if you have ALL of the following:\*\*

- 3 bathrooms or less
- 4 people or less
- 1 water heater

**CWL CC 1865**

Select this system if you have ANY of the following:\*\*

- 3+ bathrooms
- 4+ people
- 1+ water heater

\*\*About 22% of people have tap water treated with chloramine (a corrosive combination of chlorine and ammonia), which requires more contact time (vs. chlorine) through a specialized filtration media to effectively filter it out of the water. EWS has designed four systems specifically for handling chloramine, which use our Pro Series valve that accommodates 3/4" - 1 1/2" main water lines up to 35 gpm. **Not sure if you have chloramine?** Call your water district or EWS Customer Service at 702.256.8182 for friendly assistance. **Important Note:** Our specialized chloramine removal media (CRM) is incredibly effective on chlorine as well, so when in doubt, err on the side of caution and select a Chloramine System.

STOP

### ARE YOU ON WELL WATER?

If you are on private or community well water, you need information to determine any water issues and their solutions. Well water requires complete and independent testing. Call EWS Customer Service at 702.256.8182 or visit [EWSWATER.COM](http://EWSWATER.COM) for more information.



# OPTIONAL ADD-ONS

EWS PROVIDES ADDITIONAL SAFEGUARDS TO HELP MEET YOUR NEEDS, CONCERNS AND LIFESTYLE.

## DRINKING WATER OPTIONS

Our sink filtration offers additional safeguards based on need or preference, such as autoimmune disease, weak immune systems, concern about old pipes, taste, or concerns about specific chemicals.

The following systems filter the water at the point of use, such as the sink, for use in cooking and drinking. Choosing the right system is simple and based on local water conditions and your needs and preferences.

### OPTION 1 — ESSENTIAL DRINKING WATER

Used with an EWS Whole Home System, ESSENTIAL reduces lead and cysts. **Model #:** DWS

### OPTION 2 — ESSENTIAL DRINKING WATER WITH ULTRAVIOLET

Our most popular upgrade provides the same great benefits of the ESSENTIAL along with our patented 99.99% effective UV safeguard. Kills bacteria, viruses, E.coli and other microorganisms. **Model #:** DWS-UV

### OPTION 3 — ESSENTIAL REVERSE OSMOSIS

Select if you prefer a more stripped down or flatter taste to your water, or are allergic to the fluoride in city tap water. **Model #s:** R03 and R04

UV disinfection option available (Model #s: R03-UV and R04-UV). Four and five-stage options (not shown) available for well water.



### OPTION 4 — ESSENTIAL MAX FLOW

Installs directly to any faucet – no separate dispenser or hole needed in the sink or counter. Use with an EWS Whole Home System for an additional safeguard. **Model #s:** SS-2.5

## WATER SOFTENING OPTIONS

In addition to EWS Central Water Filtration, the option of salt softening can be installed to the hot-side only to restrict the harmful use of salt softened water and reduces the environmental impact due to the brine discharge.

### SALT (SODIUM OR POTASSIUM CHLORIDE) SOFTENING

If you prefer the “slippery feeling” of softened water, EWS Central Water with a Softener option is best for you. Softeners strictly soften the water and are **not** filtration systems. The softening process (ion exchange) substitutes naturally found calcium and magnesium minerals for sodium or potassium chloride.

*Restrictions may apply to softener usage and brine discharge. Softeners may effect or void warranties on fixtures and finishes, pools, spas, appliances, and certain household and commercial devices.*

All our softeners have digital metered valves and even though we generally advise against their use, we produce some of the highest quality and most efficient softeners in the industry.

*Pictured at right:  
EWS SPECTRUM SOFT  
Model #: CS-TT1054-7000.*



## MY OPTIONS

*These are options only, in order to meet your specific needs and preferences.*

### SINK FILTRATION OPTIONS

- DWS**  
Drinking Water Filtration for Any Sink.
- DWS UV**  
Drinking Water Filtration with UV Upgrade.
- R03 & R04**  
Reverse Osmosis Systems.
- MAX FLOW**  
Direct Faucet Install.

### SOFTENING OPTIONS

- RT1035 CABINET**  
Hot Side Inlet, 3/4-1” for Homes with One Water Heater.
- TT1054 TWIN TANK**  
Hot Side Inlet, 3/4-1” for Homes with Multiple Water Heaters.



# EWS WATER FILTRATION

**EWS FILTRATION PROVIDES CLEAN, HEALTHY, CHLORINE-FREE WATER TO EVERY FAUCET & SHOWER -- EVERY DAY.**

## EWS FILTRATION

- Imagine the convenience and enjoyment of clean, filtered water for your entire home.
- Like central heat/AC and air filters that improve your air quality, EWS central water filtration improves your entire home's water quality.
- Better tasting, chlorine-free water to every faucet and tap -- fill up your reusable bottle and go!
- No more absorbing and inhaling chlorine and other toxic substances during your showers and baths.
- Reduce or eliminate your exposure to 80,000+ chemicals that are unstudied and largely unregulated in our tap water.
- Chlorine dries out the skin and hair and damages soft tissues and mucuous membranes -- EWS filtration removes the chlorine for healthier skin and hair.
- The best there is -- our proprietary media is the highest quality available for optimum filtration and longevity (dedusted Granular Activated Carbon with a minimum iodine rating of 1200).

## OUR STANDARDS

*All EWS product has been independently tested by an accredited third-party laboratory to meet and/or exceed all relevant FDA, California State regulations, and NSF standards for all claims made regarding NSF/ASNI standards. All EWS product is No-Lead Compliant to California AB1953.*

<sup>1</sup>Replacement timeframe based on local water conditions and usage.

## EWS SERIES FILTRATION & CONDITIONING

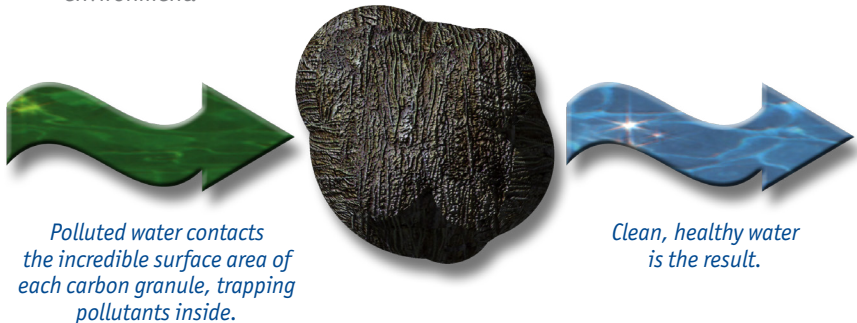
Environmental Water Systems' flagship products are the EWS Series whole home filtration appliances. Meticulously engineered with the highest quality materials and filtration media, the EWS Series filters and conditions all the water to your home for healthy, chlorine-free water that protects your family and protects your home's pipes, fixtures, and appliances.

EWS keeps the naturally found, essential minerals in your water for a pure, fresh taste while helping to solve the problems associated with hard water (without the disadvantages of salt-softening and environmentally damaging brine discharge).

Our EWS Series has repeatedly been recognized and showcased as the top whole home filtration appliance by the National Association of Home Builders (NAHB), Decorative Plumbing & Hardware Association (DPHA), International Builder's Show and New American Showcase Home, HGTV, Builder Magazine, Building Products Magazine, and many more.

## CWL SERIES FILTRATION (NO CONDITIONING)

Equipped with the same top-performing materials and filtration media, our CWL Series is designed for those with no perceived water hardness issues. The CWL Series filters all the water to your home for a healthy, chlorine-free water environment.



## CHLORAMINE SERIES

Some water districts use chloramine (a corrosive, toxic combination of chlorine and ammonia) instead of (or in addition to) chlorine to disinfect the water supply. In this instance, select the EWS or CWL Chloramine Series. To find out if your water district uses chloramine, call your water district or contact EWS customer service.

## EWS FILTRATION QUALITY & PERFORMANCE

EWS uses a unique, high-grade Granular Activated Carbon (GAC) to filter your water. EWS Granular Activated Carbon has long been recognized as the most effective and reliable media for the removal of contaminants from drinking water. The raw material used for our GAC is high-carbon-content organic material and is biodegradable and compostable. Carbon's highly porous nature provides a large surface area for contaminants (adsorbates) to collect.

GAC is more than 99% effective against trihalomethanes (THMs), chlorine, and more, and is the filtration of choice in hospitals, health care centers, military, private homes, and more.





# EWS SERIES CONDITIONING

**EWS CONDITIONING IS THE ALTERNATIVE TO WATER SOFTENING WITHOUT THE HARSH EFFECTS OF SALTS (SODIUM CHLORIDE OR POTASSIUM CHLORIDE).**

## BENEFITS OF EWS CONDITIONING

- Inhibits scale formation in pipes and water heaters.
- Provides an easier wipe off and clean up of water spotting versus untreated water.
- Use less soaps and detergents than with untreated water.
- EWS is the environmentally safe alternative to softeners – no brine discharge.
- Nice clean feeling on your skin while bathing and showering without the “slick” feeling from salt-softened water.

## BENEFITS OF ALL EWS SYSTEMS

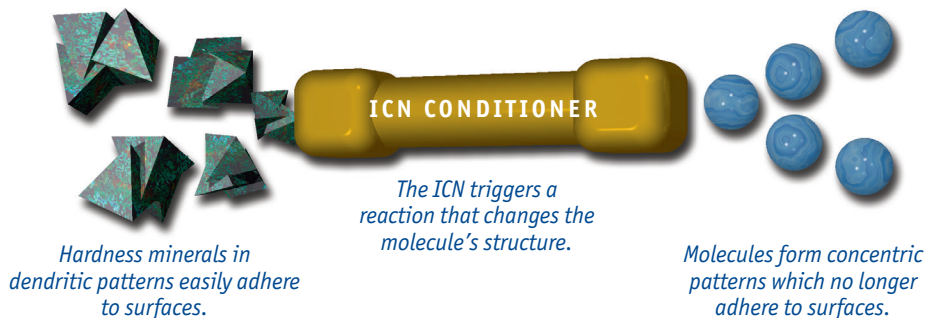
- User-friendly and hassle-free. Replace the biodegradable filtration media and conditioning module up to every 10 years.<sup>1</sup>
- Automatic backwash using Proprietary Digital Valve Technology self-cleans the appliance and provides years of trouble-free operation, all using the power consumption of a doorbell.
- Installed at the main water service line to your home, providing high flow rates to accommodate almost any application.
- Installation by your contractor or plumbing professional is as easy as installing a water heater.

### WHAT IS WATER HARDNESS?

Nature intended for us to have high-quality, fresh water. Water from oceans, rivers, lakes, streams, and wetlands evaporates and falls to the ground as rain or snow, and is filtered through the Earth’s surface and bedrock, picking up natural calcium and magnesium minerals along the way. Depending on the location, the water will have varying levels of minerals (hardness).

### IS HARD WATER HARMFUL?

Hard (mineral) water is beneficial to humans, plants, and animals. It can be harmful to plumbing and appliances because excessive hardness minerals can cause scale build-up, eventually blocking pipes and affecting the performance of appliances like dishwashers and water heaters. The EWS Series is designed to offer all of us the best of both worlds -- keeping the healthy natural minerals in our water while preventing them from causing problems with our homes.



*Hardness minerals in dendritic patterns easily adhere to surfaces.*

*The ICN triggers a reaction that changes the molecule's structure.*

*Molecules form concentric patterns which no longer adhere to surfaces.*

### WHAT DOES THE EWS SERIES DO ABOUT HARD WATER?

In use worldwide, our scientifically supported catalytic process is called Increased Calcite Nucleation (ICN). The ICN breaks the bonds between water molecules and calcium and magnesium minerals that easily adhere to surfaces and skin. Once in suspension, the minerals become attracted to each other and form concentric patterns which no longer adhere to surfaces, actively inhibiting scale formation. This process has been used in soaps and detergents for decades to allow them to work in hard water conditions.

### HOW DOES EWS COMPARE TO SOFTENERS?

EWS Conditioning should not be confused with water softening. Softening is the exchange of naturally found minerals for salt (sodium or potassium chloride). Salt softeners are not filtration devices. Softening has many disadvantages, and is not safe for the environment or people with diabetes, high blood pressure, or heart and kidney issues. EWS appliances filter the water and use an environmentally-friendly approach to hardness issues.

### WHAT ABOUT WATER SPOTTING?

Even though conditioning and softening both inhibit scale formation, water will spot when left on a surface to dry. EWS leaves the minerals in while preventing the hard scale build-up and difficult spotting that would occur with untreated water. Water spots are like dust particles in the air -- they cannot be totally eliminated. EWS makes life a bit easier by making spots a breeze to wipe off.

**Please Note:** The CWL Series has the same high-grade filtration and performance benefits of the EWS Series, but does not condition the water like the EWS Series does. If you do *not* have issues with water hardness (e.g. spotting, build-up, clogged pipes and heaters, etc.), a unit from the CWL Series is the correct unit for you.

## WHY EWS?

Since 1987, Environmental Water Systems has been the leader in whole home water filtration appliances. Alongside other leading household brands and appliances, EWS provides only the finest quality products, available in over 700 Kitchen & Bath showrooms nationwide. You will never find EWS products in big box warehouse stores, multi-level marketing (MLM) pyramids, or being sold by door-to-door salesmen.



We are known for our high standards and meticulous manufacturing (right here in the USA), and as a result, our whole home filtration appliances are trusted and used by hospitals, health care centers, custom home builders, high-end hotels, and in hundreds of thousands of private homes worldwide.

Our award-winning customer service is comprised of real people providing extraordinary, individualized customer support. Furthermore, our nationwide representatives provide showrooms with training for on-location service and support.

You will feel safe and supported knowing that you have the very best in water filtration protecting you and your family.



## TOP 4 CLAIMS & THE REALITY

#1: "Multimedia tanks perform better filtration, pH balancing, bacteria removal, 'water polishing,' etc."

**REALITY:** Effective bacteria removal is only achieved through ultraviolet or chemical disinfection. Effective filtration and results require proper contact time through filtration media. When more than one filtration media is incorporated in one tank, there is not enough of any one media to effectively remove contaminants as claimed. An effective 5-media multimedia tank would need to be over 20 feet tall.

#2: "Reduce water usage by not backwashing the filtration media."

**REALITY:** Not backwashing media results in costly and premature media replacement. All filtration media in a tank requires a backwash in order to prevent packing, channeling, and bacteria growth, and to effectively filter and maintain surface area for proper filtration and longevity.

#3: "Sure, our units also remove chloramine."

**REALITY:** This is a very dangerous claim. Chloramine requires a specific carbon media and the correct quantity inside a properly-sized tank and valvehead in order for there to be enough contact time to filter this persistent, corrosive compound. Chloramine requires an entirely different system.

#4: "Small tanks and cartridges are whole home filtration."

**REALITY:** At bare minimum, a typical home requires at least 10 gallons per minute of available water. Small tanks with small valves have flow rates of only up to 7-8 gallons per minute. The other issue is that there is not enough filtration media and contact time with the water to filter it properly.



**ENVIRONMENTAL WATER SYSTEMS®**  
The Leader in Whole Home Water Filtration Since 1987.

9101 West Sahara Avenue, Suite 105-J8  
Las Vegas, Nevada 89117

702.256.8182 PHONE . 702.256.3744 FAX  
www.EWSWATER.com



## 10-YEAR WARRANTY

Environmental Water Systems warrants to the original owner that the water treatment system purchased is free from defects in material and workmanship, and under normal use, service conditions and proper installation. Tank and conditioner not to fail due to determined manufacturer defect for 10 years from installation. Automatic timer and valve: not to fail if installed as required for a period of 5 years. Each unit comes with complete information on the installation, set-up, and care of your EWS unit, as well as additional beneficial consumer information. Product registration is required.

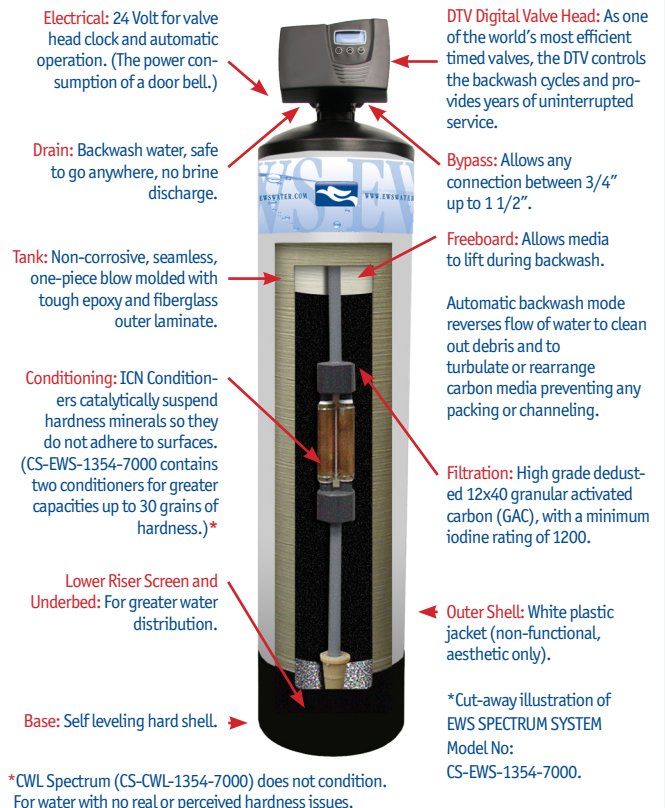
<sup>1</sup>Replacement timeframe based on local water conditions and usage.

*The contaminants or other substances removed or reduced by this water treatment appliance 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 the unit. 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. Ask your local wholesaler, dealer, retailer or EWS Inc. representative for any additional information and help regarding selection, expectations and installation of your Environmental Water System. Commercial, industrial and/or agricultural products are available. Well or adverse water conditions should be independently and completely tested and may be submitted to our corporate offices through your local representative for a complete solution to your problem.*

## INSTALLATION

Installation of these systems is as easy as installing a water heater. Complete information comes with every appliance.

## EWS SPECTRUM SYSTEM SCHEMATIC



\*CWL Spectrum (CS-CWL-1354-7000) does not condition. For water with no real or perceived hardness issues.