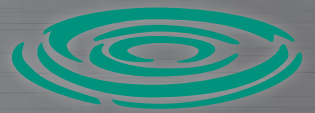


ECOWATER
S Y S T E M S[®]



COMMERCIAL



Commercial Water Filters

Problem water shouldn't hurt your business.

When you run a business that uses water, it's important to have the hard facts: contaminants, minerals, metals, acidic or alkaline water costs industry millions of dollars annually in additional maintenance and equipment replacement. Why is it such a problem? Because it can build up in pipes and equipment, restricts water flow, and clogs valves and vents. In addition, particles in the water can cause excessive wear on valve seats which leads to dripping faucets and fixture staining. No matter what kind of business you are running, quality water is indispensable for your operations and bottom line.



Life shouldn't be contaminated by problem water.

Because every business uses water differently, it's easy to see why the flexibility of EcoWater's commercial systems can save you money and resources by treating your water.

Reduce Plumbing Repairs

Eliminate water-related plumbing system malfunctions including mineral and metal buildup that causes flow restrictions and pipe damage.



Prolong Appliance Life

Commercial warewashers and other machines last longer without harmful buildup that can damage parts and restrict operation.



Make Cleaning Easier

Spend less time cleaning without the scale and stains associated with problem water.



Reduce Fixture Wear

Prevent damage-causing scale buildup on faucets, sinks and tubs. Eliminate additional scrubbing that can cause premature wear.

Provide a Better Tasting Water and Beverages

Eliminate chlorine, taste and odor from your water and offer better tasting beverages to your customer.



Prolong Linen and Textile Life

Prolong the life of commercial linens and textiles and protect them from stains caused by contaminants like iron in the water.



EcoWater Commercial Water Filtration Systems

Economical, Heavy-Duty Water Filtration for Steam Boilers, Hospitals, Hotels, Restaurants, and Other Industrial and Commercial Applications

For more than 90 years, EcoWater has been engineering and manufacturing the most innovative water treatment technologies available. That experience and ingenuity goes into every commercial series water filters we make. Our exacting standards make the EcoWater commercial series our most advanced commercial system ever and the optimal choice for your application.

The true test of even the most advanced water conditioning system is how well it treats water while conserving water, and minimizing operator intervention. Our robust feature set provides distinct advantages that will allow your business to enjoy the benefits of soft water while saving considerable time and money.



Single and
Multi Tank Systems



Industry Leading Flow
Capacity



Industry Leading
Backwash Capacity



Electronic Demand
Control



Non-Volatile Memory



Turbine Meter with Low
Flow Accuracy



Water Totalizer



Lockout Feature



**EcoWater Has
You Covered**

Resin Tanks – 10 years
Electronics – 3 years
Parts – 1 Year

Full Featured Demand Initiated or Timer-Based Control

All cycle times are adjustable and programming is intuitive. Water flow and usage information is available. A single control can be used for up to four units. High resolution OLED display.



Activated Carbon Filters

The activated carbon filters offer an effective method to remove chlorine, taste and odor and other organic substances in a water supply. Small amounts of color and low levels of hydrogen sulfide may also be removed with activated carbon. In some difficult water conditions, it may be necessary to use a different grade of carbon other than the standard grade.

Catalytic Carbon Filters

The catalytic carbon filters reduce chloramines from municipal water supplies as well as offer superior capacity for chlorine, taste and odor removal compared to traditional activated carbon.

Multi-Media Filters

The multi-media filters provide an efficient means to remove sediment and particulate matter from a water supply. Multi-media filters use stratified layers of graduated size media which offer a depth filtration process through the filter. The larger particles are filtered out at the top of the media and the bottom layers filter out particles as small as 10 microns.

Greensand Plus Filters

The Greensand Plus filters employ a manganese-coated greensand as the main medium in the filter. Additional media are used to provide a depth filtration process, similar to the multi-media filter. The feed water must be treated to provide a continuous oxidation of iron, manganese and hydrogen sulfide for effective and efficient operation. This requires using a chemical feed pump to inject potassium permanganate into the supply water.

Turbine Flow Meter with Low Flow Accuracy

The turbine flow meter provides precise water usage information to the EcoWater Smart Control, even at flows as low as 0.3 gpm. The sensor and non-corrosive materials used in the turbine provide for long-term reliability.

Level 6 Efficiency Compliant 24 VDC Power Supply

Our low voltage supply eliminates special wiring requirements, providing additional installation flexibility.



Effective and Efficient Water Filtration

Not all water filters work the same way. Subtle changes in the process can have a big effect on the quality of your water. Here are some of the key features you'll find only with the EcoWater commercial water filters that will save you money, hassle and time.

Adjustable Backwash

Features high flow backwash hardware to ensure proper bed cleaning. Customizable backwash duration based on initial water analysis.

Fast Rinse Cycle

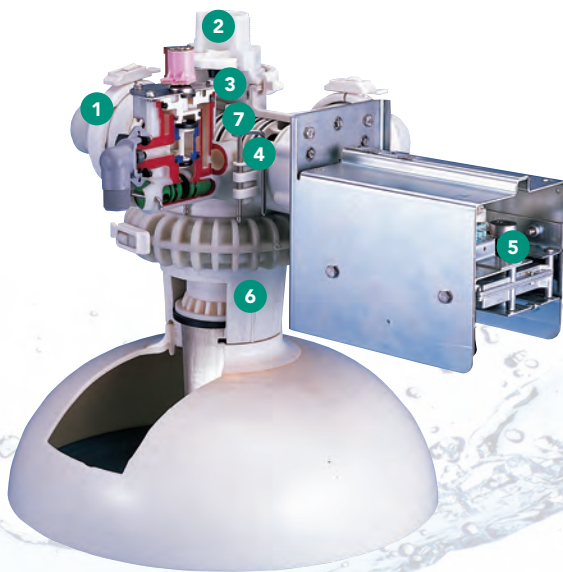
Provides a final media bed cleaning to prepare it for service.

Automatic Bypass

Provides water during backwash should you need it.

Every business uses water differently. That's why flexibility is so important. EcoWater commercial water filters remain among the best in class at conserving water during the backwash process and they're designed to match your specific usage requirements – today and tomorrow.

Additional Features that Make EcoWater's Commercial Series Best-in-Class.



- 1 Snap Clamp Rings for Ease of Connecting
- 2 Up to 2" NPT Union Connections
- 3 Adjustable Backwash Flow Control
- 4 Up to 2" Ported Flow Passage in Non-corrosive Valve Housing
- 5 High Torque 24 VDC Motor
- 6 Valve Tank Adaptor Allows Easy Access into Tank with Clamp Ring Connector
- 7 High-Strength, Corrosion Resistant Piston

Commercial Heavy Duty All-Purpose Water Filters with 1" Valve

Specifications

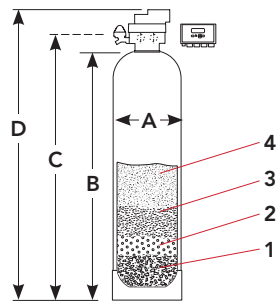
Model	Design Flow Rates		Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz	Filter Aggregate or Neutralite		
	Optimum	Peak							
Filters (no media)						1	2		
EWS121XS	4 gpm	8 gpm	12.3" x 55"	1"	7 gpm	17#/.17 cu. ft.	2 cu. ft.		
EWS171XS	8 gpm	18 gpm	17.6" x 59.5"	1"	15 gpm	100#/.1 cu. ft.	4 cu. ft.		
Model	Design Flow Rates		Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz	Carbon Media		
	Optimum	Peak							
Carbon Filters						1	2		
EWS121CS	4 gpm	8 gpm	12.3" x 55"	1"	7 gpm	17#/.17 cu. ft.	84#/.2 cu. ft.		
EWS171CS	8 gpm	18 gpm	17.6" x 59.5"	1"	15 gpm	100#/.1 cu. ft.	168#/.4 cu. ft.		
Model	Design Flow Rates		Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz	Garnet Media	Filter Sand Media	Anthracite Media
	Optimum	Peak							
Multi-Media Filters						1	2	3	4
EWS121MS	4 gpm	8 gpm	12.3" x 55"	1"	10 gpm	34#/.34 cu. ft.	25#/.19 cu. ft.	50#/.5 cu. ft.	52#/.1 cu. ft.
Model	Design Flow Rates		Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz	Garnet Media	Greensand Plus	Anthracite Media
	Optimum	Peak							
Greensand Plus Filters						1	2	3	5
EWS121GS	4 gpm	8 gpm	12.3" x 55"	1"	10 gpm	17#/.17 cu. ft.	25#/.19 cu. ft.	128#/.15 cu. ft.	26#/.5 cu. ft.

Flow rates and capacities shown are per tank. All systems are available in single, duplex, triplex and quadplex configurations.

The filters are operated on a demand basis utilizing the turbine meter and control with an override option to initiate a backwash on a more frequent basis.

The filters will operate very effectively at the optimum flow rates and should be operated at the peak flow for only short periods of time.

Dimensions



Model	A	B	C	D
EWS121	12.3"	55"	57"	65.75"
EWS171	17.6"	59.5"	61.5"	70.25"

Duplex = 2 Mineral Tank | Triplex = 3 Mineral Tanks | Quadplex = 4 Mineral Tanks



Commercial Heavy Duty Water Filters with 1-1/2" Valve

Specifications

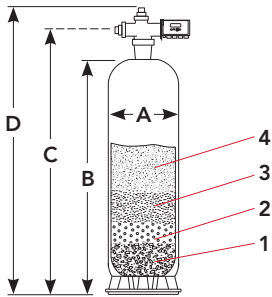
Model	Design Flow Rates		Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz			
	Optimum	Peak							
Filters (no media)						1			
EWS1715XS	Media Dependent		17" x 58"	1-1/2"	Media Dependent	100#/1 cu. ft.			
EWS2415XS			24" x 72"	1-1/2"		150#/1.5 cu. ft.			
Model	Design Flow Rates		Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz		Carbon Media	
	Optimum	Peak							
Carbon Filters						1			
EWS1715CS	8 gpm	16 gpm	17" x 58"	1-1/2"	15 gpm	100#/1 cu. ft.	168#/4 cu. ft.		
EWS2415CS	15 gpm	30 gpm	24" x 72"	1-1/2"	30 gpm	150#/1.5 cu. ft.	420#/10 cu. ft.		
EWS3015CS	25 gpm	50 gpm	30" x 72"	1-1/2"	50 gpm	250#/2.5 cu. ft.	630#/15 cu. ft.		
Model	Design Flow Rates		Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz	Garnet Media	Filter Sand Media	Anthracite Media
	Optimum	Peak							
Multi-Media Filters						1	2	3	4
EWS1715MS	15 gpm	30 gpm	17" x 58"	1-1/2"	25 gpm	100#/1 cu. ft.	50#/1 cu. ft.	100#/1 cu. ft.	156#/3 cu. ft.
EWS2415MS	30 gpm	60 gpm	24" x 72"	1-1/2"	50 gpm	150#/1.5 cu. ft.	150#/1.2 cu. ft.	250#/2.5 cu. ft.	312#/6 cu. ft.
Model	Design Flow Rates		Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz	Garnet Media	Greensand Plus	Anthracite Media
	Optimum	Peak							
Greensand Plus Filters						1	2	3	5
EWS1715GS	8 gpm	13 gpm	17" x 58"	1-1/2"	25 gpm	100#/1 cu. ft.	50#/.4 cu. ft.	255#/3 cu. ft.	78#/1.5 cu. ft.
EWS2415GS	30 gpm	60 gpm	24" x 72"	1-1/2"	50 gpm	150#/1.5 cu. ft.	150#/1.2 cu. ft.	510#/6 cu. ft.	156#/3 cu. ft.

Flow rates and capacities shown are per tank. All systems are available in single, duplex, triplex and quadplex configurations.

The filters are operated on a demand basis utilizing the turbine meter and control with an override option to initiate a backwash on a more frequent basis.

The filters will operate very effectively at the optimum flow rates and should be operated at the peak flow for only short periods of time.

Dimensions



Model	A	B	C	D
EWS1715	17"	58"	64"	70.5"
EWS2415	24"	72"	77"	83.5"
EWS3015	30"	72"	81"	87.5"

Duplex = 2 Mineral Tank | Triplex = 3 Mineral Tanks | Quadplex = 4 Mineral Tanks



Commercial Heavy Duty Water Filters with 2" Valve

Specifications

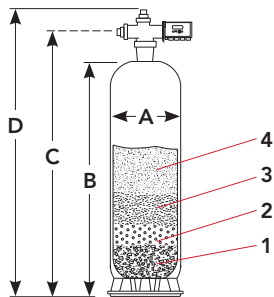
Model	Design Flow Rates		Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz			
	Optimum	Peak							
Filters (no media)									
EWS172XS	Media Dependent		17" x 58"	2"	Media Dependent	100#/1 cu. ft.			
EWS242XS			24" x 72"	2"		150#/1.5 cu. ft.			
Model	Design Flow Rates		Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz	Carbon Media		
	Optimum	Peak							
Carbon Filters						1			
EWS172CS	8 gpm	16 gpm	17" x 58"	2"	15 gpm	100#/1 cu. ft.	104#/4 cu. ft.		
EWS242CS	15 gpm	30 gpm	24" x 72"	2"	30 gpm	250#/1.5 cu. ft.	260#/10 cu. ft.		
EWS302CS	25 gpm	50 gpm	30" x 72"	2"	50 gpm	250#/2.5 cu. ft.	390#/15 cu. ft.		
EWS362CS	35 gpm	70 gpm	36" x 72"	2"	70 gpm	300#/3 cu. ft.	520#/20 cu. ft.		
Model	Design Flow Rates		Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz	Garnet Media	Filter Sand Media	Anthracite Media
	Optimum	Peak							
Multi-Media Filters						1	2	3	4
EWS172MS	15 gpm	30 gpm	17" x 58"	2"	25 gpm	100#/1 cu. ft.	50#/1.4 cu. ft.	100#/1 cu. ft.	156#/3 cu. ft.
EWS242MS	30 gpm	60 gpm	24" x 72"	2"	50 gpm	150#/1.5 cu. ft.	150#/1.2 cu. ft.	250#/2.5 cu. ft.	312#/6 cu. ft.
EWS302MS	50 gpm	100 gpm	30" x 72"	2"	70 gpm	250#/2.5 cu. ft.	200#/1.6 cu. ft.	350#/3.5 cu. ft.	520#/10 cu. ft.
Model	Design Flow Rates		Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz	Garnet Media	Greensand Plus	Anthracite Media
	Optimum	Peak							
Greensand Plus Filters						1	2	3	5
EWS172GS	8 gpm	13 gpm	17" x 58"	2"	25 gpm	100#/1 cu. ft.	50#/1.4 cu. ft.	255#/3 cu. ft.	78#/1.5 cu. ft.
EWS242S	15 gpm	24 gpm	24" x 72"	2"	50 gpm	150#/1.5 cu. ft.	150#/1.2 cu. ft.	510#/6 cu. ft.	156#/3 cu. ft.
EWS302GS	25 gpm	38 gpm	30" x 72"	2"	70 gpm	250#/2.5 cu. ft.	200#/1.6 cu. ft.	765#/9 cu. ft.	260#/5 cu. ft.

Flow rates and capacities shown are per tank. All systems are available in single, duplex, triplex and quadplex configurations.

The filters are operated on a demand basis utilizing the turbine meter and control with an override option to initiate a backwash on a more frequent basis.

The filters will operate very effectively at the optimum flow rates and should be operated at the peak flow for only short periods of time.

Dimensions



Model	A	B	C	D
EWS172	17"	58"	67"	72.5"
EWS242	24"	72"	81"	86.5"
EWS302	30"	72"	88"	93.5"
EWS362	36"	72"	88.5"	94"

Duplex = 2 Mineral Tank | Triplex = 3 Mineral Tanks | Quadplex = 4 Mineral Tanks





Experience that Makes Your Choice Perfectly Clear

EcoWater Systems has been providing high quality water systems for more than 90 years, and is one of the largest manufacturers of commercial water systems in the world. When you buy an EcoWater System, you also get the collective experience and knowledge of this proven, dedicated organization.

Easy and Economical to Use. Simple to Service and Maintain.

Few moving parts make our commercial series a dependable performer. When service or routine maintenance is necessary, this same design makes it easy for your EcoWater technician or your own staff to make the necessary adjustments quickly – without a lot of time or expense.

Call Your Local EcoWater Representative Today

If you need more information about EcoWater Commercial Series Water Systems, contact your local EcoWater Systems Dealer at **1-888-WATER-OK (1-888-928-3765)** or visit **www.ecowater.com** for the name of the authorized dealer nearest you.

ECOWATER
S Y S T E M S®



Designed, Engineered &
Assembled in the U.S.A.



EcoWater Systems LLC
P.O. Box 64420
St. Paul, MN 55164-0420



EcoWater Systems
Europe N.V.
Geelseweg 56 2250 Olen
Belgium



EcoWater Canada Ltd.
5240 Bradco Blvd.
Mississauga, Ontario
Canada L4W 1G7



Kunshan EcoWater Systems Co. Ltd.
483 San Xiang Rd.
Kunshan, Jiangsu Province, PRC 215335