EWS: 172XS, 242XS, 172CS, 242CS, 302CS, 362CS, 172MS, 242MS, 302MS, 172GS, 242GS, 302GS

Commercial Heavy Duty 2" Valve Water Filters

COMMERCIAL SERIES • WATER FILTERS

All systems are available in single, duplex, triplex, and quadplex operation.

ECOWATER SYSTEMS®

Clean water. Green future.™

Effective and Efficient Water Filters

- Innovative 2" Eco Flow-Pack Valve
- Electronic Demand Control Module
- Fully Programmable
- Safe 24-Volt Electronics
- Non-Volatile Memory
- Turbine Flow Meter
- Washed Quartz Underbedding
- Exceptional Flow Rates
- Automatic Bypass During Backwash
- Fiberglass Reinforced Resin Tank
- Self-Cleaning Distributors
- Regeneration Frequency Programmable
- High-Strength, Non-Corrosive Piston
- Lockout Feature to Prevent Unauthorized Changes
- Water Totalizer to Keep Track of Volume History

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.

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 Filters

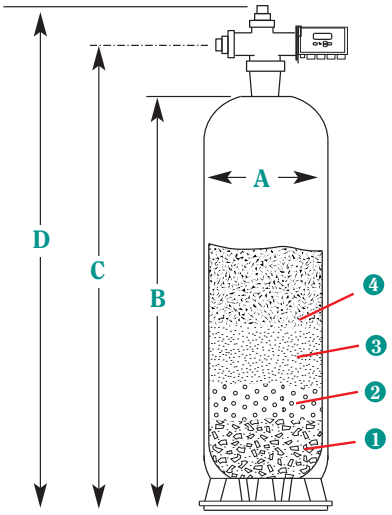
The greensand filters employ a manganese-coated greensand as the main medium in the filter. Additional media are used to provide a depth filtration process, similar to the multi-media filter. The feed water must be treated to provide a continuous oxidation of iron, manganese and hydrogen sulfide for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

ISO 9001 REGISTERED

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

EWS: 172XS, 242XS, 172CS, 242CS 302CS, 362CS, 172MS, 242MS, 302MS, 172GS, 242GS, 302GS

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"

SPECIFICATIONS

All systems are available in single, duplex, triplex, and quadplex operation.

Model	Design Flow Rates Optimum	Peak	Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz			
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 Optimum	Peak	Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz	Carbon Media		
Carbon Filters						❶			
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 Optimum	Peak	Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz	Garnet Media	Filter Sand Media	Anthracite Media
Multi-Media Filters						❶	❷	❸	❹
EWS172MS	15 gpm	30 gpm	17" x 58"	2"	25 gpm	100#/1 cu. ft.	50#/.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 Optimum	Peak	Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz	Garnet Media	Manganese Greensand	Anthracite Media
Greensand Filters						❶	❷	❸	❹
EWS172GS	8 gpm	13 gpm	17" x 58"	2"	25 gpm	100#/1 cu. ft.	50#/.4 cu. ft.	255#/3 cu. ft.	78#/1.5 cu. ft.
EWS242GS	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.

Note: 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.

The EcoWater Commercial Series Heavy Duty Water Filter is subject to a limited warranty that may give you specific rights. A copy of the warranty is printed in the installation manual. Please read the warranty carefully before installing or using an EcoWater water filter.

ECOWATER SYSTEMS®

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