

EWS: 121XS, 171XS, 121CS, 171CS, 121GS, 121MS

Commercial Heavy Duty
1" Valve All-Purpose Water Filters

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



Effective and Efficient Filtration

- Electronic Demand Control Module
- Washed Quartz Underbedding
- Automatic Bypass during Backwash
- Fiberglass Reinforced Resin Tank
- Turbine Flow Meter
- Safe 24-Volt Electronics
- Self-Cleaning Upper and Lower Distributors
- Exceptional Flow Rates
- Durable Single-Rotor Polyurethane Valve

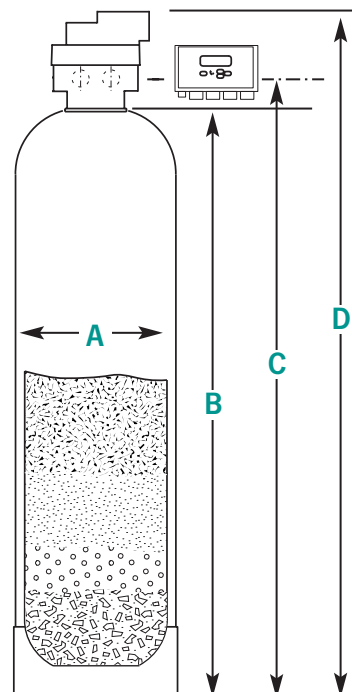


Dimensions

Inlet-Outlet	
Pipe Size	Center Lines
1"*	3.8"

*Sweat copper fittings supplied.

Model	A	B	C	D
EWS121XS				
EWS121CS	12.3"	55"	57"	65.75"
EWS121GS				
EWS121MS				
EWS171XS	17.6"	59.5"	61.5"	70.25"
EWS171CS				



ECOWATER
SYSTEMS®



SINCE 1925.

C o m m e r c i a l S e r i e s

Specifications

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

Model	Design Flow Rates		Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz	Suggested Media		
	Optimum	Peak					Filter Aggregate or Neutralite		
Filters (no media)									
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	34#/.34 cu. ft.	4 cu. ft.		
Model	Design Flow Rates		Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz	Carbon Media		
	Optimum	Peak					Carbon Media		
Carbon Filters									
EWS121CS	4 gpm	8 gpm	12.3" x 55"	1"	7 gpm	17#/.17 cu. ft.	58#/2 cu. ft.		
EWS171CS	8 gpm	18 gpm	17.6" x 59.5"	1"	15 gpm	34#/.34 cu. ft.	116#/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									
EWS121MS	4 gpm	8 gpm	12.3" x 55"	1"	10 gpm	34#/.34 cu. ft.	33#/.27 cu. ft.	52#/.52 cu. ft.	61#/1.17 cu. ft.
Model	Design Flow Rates		Tank Size	Pipe Size	Backwash Flow Rate	Washed Quartz	Garnet Media	Manganese Greensand	Anthracite Media
	Optimum	Peak							
Greensand Filters									
EWS121GS*	4 gpm	8 gpm	12.3" x 55"	1"	10 gpm	34#/.34 cu. ft.	33#/.27 cu. ft.	170#/2 cu. ft.	61#/1.17 cu. ft.
*Iron Removal Limits = 20									
Supply Water Limits					All Tanks				
Pressure Limits (PSI)					30-125				
Temperature Limits (°F)					35-100				

Note: The filters are operated on a demand basis utilizing a 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.

Operational Flows*

*Data obtained from tests run by the University of Minnesota St. Anthony Falls Engineering Lab and is based on a non-fouled filter.

Model	Flow Rate (GPM) and Pressure (PSI) Loss (ΔP)									
	2 gpm	4 gpm	6 gpm	8 gpm	10 gpm	12 gpm	14 gpm	16 gpm	18 gpm	
EWS121XS, EWS121CS EWS121GS, EWS121MS	1 ΔP	2.3 ΔP	3.9 ΔP	5.7 ΔP	7.9 ΔP	-	-	-	-	
EWS171XS, EWS171CS	.6 ΔP	1.1 ΔP	2.2 ΔP	3.3 ΔP	4.6 ΔP	5.9 ΔP	7.4 ΔP	9.7 ΔP	13.68 ΔP	



The EcoWater Commercial Series Heavy Duty Water Filters are 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.

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