



ALL MEDIA  
MADE IN THE USA

**PERFORMANCE DATA FOR ALL EWS WHOLE HOME FILTRATION**

filtration media used in all EWS & CWL whole home filtration systems

Filtration Media for point of entry systems incorporate the same carbon quality which had been tested according to and exceeding NSF/ANSI 42, 401 and P473 for reduction of the substances listed below. Contaminants are chemically removed or reduced by absorption & adsorption through the carbon media. Media must backwash to achieve results according to material data

NSF/ANSI 42 (TASTE & ODOR)	Minimum Reduction	Percent Reduction	Results
Chlorine Reduction, Free Available @ 2.0 mg/L	<0.5 mg/L	>99%	Pass
Chloramine Reduction, Free Available @ 4.0 mg/L	<0.5 mg/L	>98%	Pass
Particulate @ 20 micron	85%	>99.99%	Pass

NSF P473 (PFAS)	Influent Challenge Concentration	Maximum Permissible Product Water Concentration	Percent Reduction	Results
Perfluorooctanic acid (PFOA) & Perfluorooctane sulfonate (PFOS)	1.5 +/-10% ug/L	0.07 ug/L	96%	Pass

NSF/ANSI 401	Maximum Concentration	Minimum Reduction	Percent Reduction	Results
Atenolol	30 ug/L	94.2%	95%	Pass
Bisphenol A (BPA)	300 ug/L	98.80%	99%	Pass
Carbamazepine	200 ug/L	98.6%	98.9%	Pass
DEET	200 ug/L	98.7%	98.9%	Pass
Estrone	20 ug/L	96.30%	97%	Pass
Ibuprofen	60 ug/L	95.3%	95.4%	Pass
Linuron	20 ug/L	96.6%	96.6%	Pass
Meprobamate	60 ug/L	94.7%	94.7%	Pass
Metolachlor	200 ug/L	98.6%	98.6%	Pass
Naproxen	20 ug/L	96.3%	96.4%	Pass
Nonyl phenol	200 ug/L	97.50%	97.5%	Pass
Phenytol	30 ug/L	95.50%	95.6%	Pass
TCEP	700 ug/L	98%	98%	Pass
TCP	700 ug/L	97.8%	98%	Pass
Trimethoprim	20 ug/L	96.7%	98%	Pass

MISC. CONTAMINANTS	Influent Challenge	Percent Reduction	EPA Max (MCL) mg/L
Fluoride (Hydrofluorosilicic Acid HFSA, FSA)	6.0 mg/L	>99%	4.0

*All EWS carbon media is engineered for greater surface area and contact time. This highly reactive filtration media is significantly more kinetic and catalytic for greater filtration adsorption.*

**EWS Developed a Process that Increases Surface Area of Every Single Carbon Granule:**  
The bonding of single or multiple types of extremely small sized carbon particles onto larger carbon support structures, enables EWS to produce complex composite filtration media that can meet the requirements of complicated water contamination problems.

**Increased Surface Area Enhances Kinetics:**

The process of increasing the surface area of filtration media enhances the adsorption kinetics and catalytic effects and achieves superior filtration results. In all EWS whole home water filtration systems, this EWS technology allows us to create greater filtration capacities, with greater flow rates and with greater longevity.

**Increased Surface Area Also Improves Performance:**

EWS carbon media, which has a minimum Iodine Rating of 1200 which is the ability to absorb (compared to the average filter or filter media of 450-650) is used in all cartridges, blocks and whole home filtration media and 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 one component or multiple component granular based products.

**Additional Filtration Notes Based on Preferences, Water Conditions or Concerns:**

- Whole Home Water Filtration achieves a healthier chemical-free home environment for consumption (drinking & cooking), inhalation and skin absorption (bathing, showering & all uses) and under normal circumstances that is the only system you may need.
- Option (Sink) If you have a significant lead issue, see Max Flow (#SS-2.5) or our selection of drinking water & reverse osmosis systems.
- Questions...? Contact EWS customer service or visit [www.ewswater.com](http://www.ewswater.com)
- Do not use with water that is microbiologically unsafe or of unknown water quality without adequate disinfection before any filtration system
- Install filters on a main water supply
- Testing performed under standard laboratory conditions and actual performance may vary depending on external conditions, water conditions and usage
- Not all contaminants listed may be present in your water. Any unlisted contaminants that may be present or contaminants in excess concentrations may not be removed

MICROPLASTICS	---	100 mg/L	<1 mg/L	>99%
<b>VOLATILE ORGANIC COMPOUNDS (VOCs)*</b>	EPA Minimum Contaminant Level (MCL) mg/L*	Influent Challenge (mg/L)	Effluent Maximum (mg/L)	Percent Reduction
Alachlor	0.002	0.05	0.001	>98%
Atrazine	0.003	0.100	0.003	>97%
Benzene	0.005	0.081	0.001	>99%
Carbofuran (Furadan)	0.04	0.19	0.001	>99%
Carbon Tetrachloride	0.005	0.078	0.0018	98%
Chlorobenzene	0.1	0.077	0.001	>99%
Chloropicrin	-	0.015	0.0002	99%
2,4-D (Dichlorophenoxyacetic acid)	0.07	0.110	0.0017	98%
Dibromochloropropane (DBCP)	0.0002	0.052	0.00002	>99%
o-Dichlorobenzene	0.6	0.08	0.001	>99%
p-Dichlorobenzene	0.075	0.04	0.001	>98%
1,2-Dichloroethane	0.005	0.088	0.0048	95%
1,1-Dichloroethylene	0.007	0.083	0.001	>99%
cis-1,2-dichloroethylene	0.07	0.17	0.0005	>99%
trans-1,2-dichloroethylene	0.1	0.086	0.001	>99%
1,2 Dichloropropane	0.005	0.08	0.001	>99%
cis-1,3-Dichloropropylene	-	0.079	0.001	>99%
Dinoseb	0.007	0.17	0.0002	99%
Endrin	0.002	0.053	0.00059	99%
Ethylbenzene	0.7	0.088	0.001	>99%
Ethylene Dibromide (EDB)	0.00005	0.044	0.00002	>99%

HALOACETONITRILES (HAN):				
Bromochloroacetonitrile	-	0.022	0.0005	98%
Dibromoacetonitrile	-	0.024	0.0006	98%
Dichloroacetonitrile	-	0.0096	0.0002	98%
Trichloroacetonitrile	-	0.015	0.0003	98%

HALOKETONES (HK):				
1,1-dichloro-2-propanone	-	0.0072	0.0001	99%
1,1,1-trichloro-2-propanone	-	0.0082	0.0003	96%
Heptachlor (H-34, Heptox)	0.0004	0.25	0.00001	>99%
Heptachlor Epoxide	0.0002	0.0107	0.0002	98%
Hexachlorobutadiene	-	0.044	0.001	>98%
Hexachlorocyclopentadiene	0.05	0.06	0.000002	>99%
Lindane	0.0002	0.055	0.00001	>99%
Methoxychlor	0.04	0.05	0.001	>99%
Pentachlorophenol	0.001	0.096	0.001	>99%
Simazine	0.004	0.12	0.004	>97%
Styrene (Vinylbenzene)	0.1	0.15	0.0005	>99%
1,1,2,2-Tetrachloroethane	-	0.081	0.001	>99%
Tetrachloroethylene	0.005	0.081	0.001	>99%
Toluene	1	0.078	0.001	>99%
2,4,5-TP (Silvex)	0.05	0.27	0.0016	99%
Tribromoacetic acid	-	0.042	0.001	>98%
1,2,4-Trichlorobenzene	0.07	0.160	0.0005	>99%
1,1,1-Trichloroethane	0.2	0.084	0.0048	95%
1,1,2-Trichloroethane	0.005	0.15	0.0005	>99%
Trichloroethylene	0.005	0.18	0.0010	>99%

TRIALOMETHANES (THMS):				
Chloroform (TTHM)**	0.080	0.300	0.015	>99.8%
Bromoform (TTHM)	**	according to testing protocol, Chloroform was used as a surrogate for VOC testing		
Bromodichloromethane (TTHM)				
Chlorodibromomethane (TTHM)				
Xylenes (Total)	10	0.070	0.001	>99%

\*Current EPA limits at time of data sheet publication. Revised 1/1/2020

Contaminant list includes industrial pollutants & chemicals, herbicides & pesticides, pharmaceuticals, disinfection chemicals and disinfection by-products and water issues with old and decaying delivery systems

Without exception, every component of any EWS filtration system that comes in contact with water is compliant for FDA food and beverage contact and complies with or exceeds the most current and applicable Federal and California State standards. All filters and system components are Lead-Free and Compliant to California AB1953



**Are You On Well Water?**

Private or community well water requires complete and independent testing before any water filtration or treatment systems can be properly specified.