



ALL FILTERS  
MADE IN THE USA

**PERFORMANCE DATA FOR ALL EWS CARBON BLOCK FILTERS**

used in all single-stage SS-2.5 (Max Flow) & SS-1.0, and all DWS & RO Models

Filters have been tested according to and exceeding NSF/ANSI 42, 53, 401 and P473 for reduction of the substances listed below. The concentrations of the listed substances entering the filters were reduced to less than or equal to the limits for water exiting the systems, as set forth by by NSF/ANSI 42, 53, 401 and P473. Note: Max Flow filter was tested at higher flow rates of 1.8 - 2.5 gpm for 10,000 gallons, a flow rate and capacity that exceeds NSF testing requirements.

| 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                                     | 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 53 (LEAD & CYSTS)                          | Required Reduction | Percent Reduction | Results |
|---|--------------------|-------------------|---------|
| Cyst Cryptosporidium & Giardia 111.750 particles/ml | 99.95%             | >99.99%           | Pass    |
| Mercury pH 8.5                                      | <2 ug/L            | >95%              | Pass    |
| Mercury pH 6.5                                      | <2 ug/L            | >96%              | Pass    |
| Lead pH 6.5 @ 149 ug/L                              | <10 ug/L           | >99%              | Pass    |
| Lead pH 8.5 @ 135 ug/L                              | <10 ug/L           | >95.9%            | Pass    |
| MTBE (methyl tert-butyl ether)                      | <5 ug/L            | 98.6%             | Pass    |
| Turbidity   | <.0.5 NTU          | >99.9%            | Pass    |
| VOC Surrogate Test                                  | 95%                | 99.4%             | Pass    |
| Asbestos  | 99%                | >99%              | 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    |
| Phenytoin         | 30 ug/L               | 95.50%            | 95.6%             | Pass    |
| TCEP              | 700 ug/L              | 98%               | 98%               | Pass    |
| TCPP              | 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 |
|--|--------------------|-------------------|--------------------|
| Hexavalent Chromium (Chromium-6)             | 0.1 mg/L           | >95%              | .01                |
| Fluoride (Hydrofluorosilicic Acid HFSA, FSA) | 6.0 mg/L           | >99%              | 4.0                |
| Fluoride (Sodium Fluoride)                   | 6.0 mg/L           | >97%              | 4.0                |

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

- UV Disinfection - option for a safeguard against bacterial, viral or e-coli
- Reverse Osmosis - option to strip the water of TDS (total dissolved solids) and naturally found calcium & magnesium minerals (which are not contaminants), additional removal of heavy metals is already achieved with regulated tap water. RO water is aggressive with a flat distilled taste. Preference for the flatter taste or if you need to filter salt softened water at the sink.



**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.

- 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 cold water supply only
- 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,     |       |        |
| Bromodichloromethane (TTHM) |       | Chloroform was used as a surrogate |       |        |
| Chlorodibromomethane (TTHM) |       | for VOC testing                    |       |        |
| 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

All filters are independently lab-tested by third party EPA-certified, ISO-accredited laboratories in the USA against NSF/ANSI Standards 42, 53, & 401 and conforms to NSF protocol P473 for reduction claims specified. Filters meet or exceed all applicable testing requirements set forth by NSF/ANSI. 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