aquasana

# PERFORMANCE DATA SHEET

| Model | Replacement | Rated Capacity | Operating Temp. Range | Rated Flow |
|---|---|---|---|---|
| AQ-5200 | AQ-5200R | 500 gallons<br>1892 liters | 40-90° F<br>4.44-32.2° C | 0.5 gpm<br>1.9 lpm |

**Manufactured by: Aquasana, Inc. 6310 Midway Road · Haltom City, Texas 76117 · 866.662.6885**

This system has been tested according to NSF/ANSI 42, 53, & 401 for reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42, 53, & 401.

| NSF/ANSI 42 | Minimum Reduction | Overall % Reduction | Results |
|---|---|---|---|
| Chlorine Reduction, Free Available | ≥50% | 97.3% | Pass |
| Chloramine Reduction, Free Available | 0.5 mg/l | 97.6% | Pass |
| Particulate Class I (particles 0.5 to <1 µm) | >85% | 99.6% | Pass |

| NSF/ANSI 53 | Minimum Reduction | Overall % Reduction | Results |
|---|---|---|---|
| Asbestos Reduction | 99% | >99% | Pass |
| Cyst Reduction | 99.95% | 99.99% | Pass |
| Lead Reduction pH 6.5 | 5 ug/L | >99.7% | Pass |
| Lead Reduction pH 8.5 | 5 ug/L | 94.1% | Pass |
| Mercury Reduction pH 6.5 | 2 ug/L | >96.2% | Pass |
| Mercury Reduction pH 8.5 | <2 ug/L | 99.6% | Pass |
| MTBE Reduction | 5 ug/L | 83.5% | Pass |
| Perfluorooctanoic acid (PFOA) & Perfluorooctane sulfonate (PFOS) | 0.07 ug/L | 95.2% | Pass |
| Turbidity | 0.5 NTU | 99.34% | Pass |
| VOC Surrogate Test (as chloroform) | See Table 8.2 | 99.6% | Pass |

| NSF/ANSI 401 | Maximum Concentration | Minimum Reduction | Overall % Reduction | Results |
|---|---|---|---|---|
| Atenolol | 30 ng/L | 94.7% | >94.7% | Pass |
| Bisphenol A | 300 ng/L | 98.9% | >98.9% | Pass |
| Carbamazepine | 200 ng/L | 98.4% | >98.4% | Pass |
| DEET | 200 ng/L | 98.4% | >98.4% | Pass |
| Estrone | 20 ng/L | 96.1% | >96.1% | Pass |
| Ibuprofen | 60 ng/L | 95.1% | >95.2% | Pass |
| Linuron | 20 ng/L | 96.3% | >96.3% | Pass |
| Meprobamate | 60 ng/L | 94.6% | >94.6% | Pass |
| Metolachlor | 200 ng/L | 98.4% | >98.4% | Pass |
| Naproxen | 20 ng/L | 96.4% | >96.5% | Pass |
| Nonyl phenol | 200 ng/L | 90.3% | 91.5% | Pass |
| Phenytoin | 30 ng/L | 95.4% | >95.7% | Pass |
| TCEP | 700 ng/L | 98% | >98% | Pass |
| TCPP | 700 ng/L | 97.9% | >97.9% | Pass |
| Trimethoprim | 20 ng/L | 96.1% | >96.1% | Pass |
| Microplastics (particles o.5 to <1 µm) | At least 10,000 particles/mL | ≥85% | 99.6% | Pass |

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System tested and certified by WQA to NSF/ANSI Standard 42, 53, and 401 for the reduction of the claims specified on the Performance Data Sheet and at www.WQA.org.

- All contaminants reduced by this filter are listed.
- Not all contaminants listed may be present in your water.
- Does not remove all contaminants that may be present in tap water.
- The contaminants covered in NSF/ANSI 401 have been deemed as incidental/emerging compounds and have been detected in drinking water supplies at trace levels. These compounds can affect some consumers' perception of drinking water quality.

Filter is only to be used with cold water.

Testing was performed under standard laboratory conditions, actual performance may vary.

Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

## Table 8.2 – Performance data sheet reduction claims for organic chemicals included by surrogate testing

| VOCs (by surrogate testing using chloroform) | Drinking water regulatory level (MCL/MAC) mg/L | Influent/ Unfiltered mg/L | Effluent/ Filtered mg/L | Percent Reduction |
|---|---|---|---|---|
| alachlor | 0.002 | 0.050 | 0.001 | >98% |
| atrazine | 0.003 | 0.100 | 0.003 | >97% |
| benzene | 0.005 | 0.081 | 0.001 | >99% |
| carbofuran | 0.04 | 0.190 | 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 | 0.07 | 0.110 | 0.0017 | 98% |
| dibromochloropropane (DBCP) | 0.0002 | 0.052 | 0.00002 | >99% |
| o-dichlorobenzene | 0.6 | 0.080 | 0.001 | >99% |
| p-dichlorobenzene | 0.075 | 0.040 | 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 | 0.170 | 0.0005 | >99% |
| trans-1,2-dichloroethylene | 0.1 | 0.086 | 0.001 | >99% |
| 1,2-dichloropropane | 0.005 | 0.080 | 0.001 | >99% |
| cis-1,3-dichloropropylene | — | 0.079 | 0.001 | >99% |
| dinoseb | 0.007 | 0.170 | 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) | | | | |
| bromochloroacetontrile | — | 0.022 | 0.0005 | 98% |
| dibromoacetontrile | — | 0.024 | 0.0006 | 98% |
| dichloroacetontrile | — | 0.0096 | 0.0002 | 98% |
| trichloroacetontrile | — | 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 | 0.025 | 0.00001 | >99% |
| heptachlor epoxide | 0.0002 | 0.0107 | 0.0002 | 98% |
| hexachlorobutadiene | — | 0.044 | 0.001 | >98% |
| hexachlorocyclopentadiene | 0.05 | 0.060 | 0.000002 | >99% |
| lindane | 0.0002 | 0.055 | 0.00001 | >99% |
| methoxychlor | 0.04 | 0.050 | 0.0001 | >99% |
| pentachlorophenol | 0.001 | 0.096 | 0.001 | >99% |
| simazine | 0.004 | 0.120 | 0.004 | >97% |
| styrene | 0.1 | 0.150 | 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 | 0.270 | 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 | 0.0046 | 95% |
| 1,1,2-trichloroethane | 0.005 | 0.150 | 0.0005 | >99% |
| trichloroethylene | 0.005 | 0.180 | 0.0010 | >99% |
| trihalomethanes (THMs) | | Influent/ Unfiltered | Effluent/ Filtered | Percent Reduction |
| bromodichloromethane (THM) | 0.080 | 0.300 | 0.015 | 95% |
| bromoform (THM) | | | | |
| chloroform (THM) | | | | |
| chlorodibromomethane (THM) | | | | |
| xylenes (total) | 10 | 0.070 | 0.001 | >99% |