aquasana

Performance Data for the Aquasana Under Counter Water Filter					
Model	Replacement	Operating pressure range	Rated capacity	Operating temp range	Rated flow
AQ-5300	AQ-5300R	20-80 psi (1.40-5.624 kg/cm²)	600 gallons	40-90° F (4.44-32.2° C)	0.5 gpm

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

Testing Performed under NSF/ANSI Standards 42 and 53 and in accordance with the California Department of Health Services Drinking Water Treatment Device Program. 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	<0.5 mg/l	97.66%	Pass
Chloramine Reduction, Free Available	<0.5 mg/l	97.66%	Pass
Particulate Reduction	85%	99.9%	Pass

NSF/ANSI 53	Required reduction	Overall % reduction	Results
Cyst Live Cryptosporidium & Giardia	99.95%	>99.99%	Pass
Mercury Reduction pH 8.5	<2 ug/L	>95.8%	Pass
Mercury Reduction pH 6.5	<2 ug/L	>96.5%	Pass
Lead Reduction pH 6.5	<10 ug/L	>99.4%	Pass
Lead Reduction pH 8.5	<10 ug/L	>99.3%	Pass
MTBE Reduction	<5 ug/L	86.6%	Pass
Turbidity	<0.5 NTU	99.1%	Pass
VOC Surrogate Test	95%	99.4%	Pass
Asbestos Reduction	99%	>99%	Pass

NSF/ANSI 401	Maximum Concentration	Minimum Reduction	Overall % Reduction	Results
Phenytoin	30 ng/L	95.50%	95.6%	Pass
Ibuprofen	60 ng/L	95.3%	95.4%	Pass
Naproxen	20 ng/L	96.3%	96.4%	Pass
Estrone	20 ng/L	96.30%	96.5%	Pass
Bisphenol A	300 ng/L	98.80%	98.9%	Pass
Nonyl phenol	200 ng/L	97.50%	97.5%	Pass

NSF

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

California Department of Public Health Certification Number **13-2173**

For conditions of use, health claims certified by the California Department of Public Health, and replacement parts see product data sheet.

- Filter is only to be used with cold water.
- Filter usage must comply with all state and local laws.
- 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.
- See owner's manual for general installation conditions and needs plus manufacturer's limited warranty.

- All contaminants reduced by this filter are listed.
- Not all contaminants listed may be present in your water.
- Filter does not remove all contaminants that may be present in tap water.

Organic chemicals included by surrogate testing				
VOCs (by surrogate testing using chloroform)	Drinking water regulatory level (MCL/MAC) mg/L	Influent/ Unfiltered	Effluent/ Filtered	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%

Do not use with water that is microbiologically unsafe or of unknown water quality without adequate disinfection before or after the system.

State of California Department of Public Health

Water Treatment Device

Certificate Number

13-2173

Date Issued: September 5, 2013

Trademark/Model Designation
AQ-5300

Replacement Elements
AQ-5300R

Manufacturer: Aquasana

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 116830 of the Health and Safety Code for the following health related contaminants:

Microbiological Contaminants and Turbidity

- Cysts
- Turbidity

Inorganic/Radiological Contaminants

- Asbestos
- Mercury
- Lead

Organic Contaminants

- Alachlor
- Atrazine
- Benzene
- Carbofuran
- Carbon Tetrachloride
- Chlorobenzene
- Chloropicrin
- 2,4-D
- DBCP
- o-Dichlorobenzene
- p-Dichlorobenzene
- 1,2-Dichloroethane
- 1,1-Dichloroethylene
- cis-1,2-Dichloroethylene
- trans-1,2-Dichloroethylene
- 1,2-Dichloropropane
- cis-1,3-Dichloropropylene
- Dinoseb
- Endrin
- Ethylbenzene
- EDB
- Haloacetonitriles
  - Bromochloroacetonitrile
  - Dichloroacetonitrile
  - Dibromoacetonitrile
  - Trichloroacetonitrile
- Haloketones (HK)
  - 1,1-Dichloro-2-Propanone
  - 1,1,1-Trichloro-2-Propanone
- Heptachlor
- Heptachlor Epoxide
- Hexachlorobutadiene
- Hexachlorocyclopentadiene
- Lindane
- Methoxychlor
- Pentachlorophenol
- MTBE
- Simazine
- Styrene
- 1,1,2,2-Tetrachlorethane
- Toluene
- 2,4,5-TP (Silvex)
- Tribromoacetic Acid
- 1,2,4-Trichlorobenzene
- 1,1,1-Trichloroethane
- 1,1,2-Trichloroethane
- Trichloroethylene
- Trihalomethanes (THM's)
  - Bromodochloromethane
  - Bromoform
  - Chloroform
  - Chlorodibromomethane
- Xylenes

Rated Service Capacity 600 gallons **Rated Service Flow: 0.5 gallons per minute**

Conditions of Certification

Do not use where water is microbiologically unsafe or with water of unknown quality, except that systems for cyst reduction may be used on disinfected waters that contain filterable cysts.