Performance Data

Important Notice: Read this performance data and compare the capabilities of this system with your actual water treatment needs. It is recommended that, before installing a water treatment system, you have your water supply tested to determine your actual water treatment needs.

This system has been tested according to NSF/ANSI 42 and 53 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 and 53.

Model WLCS-1000

Substance	Influent Challenge Concentration	Maximum Permissible Product Water Concentration	Reduction Requirements	Minimum Reduction	Average Reduction
Standard 42–Aesthetic Effects					
Chlorine	2.0 mg/L ± 10%		≥50%		97%
Particulates (0.5– < 1m) - Class I	at least 10,000 particles/mL		≥85%		99.8%
Standard 53–Health Effects					
Cysts	Minimum 50,000/L		99.95%	99.99%	99.99%
Asbestos	10^7 to 10^8 fibers/L > 10 micrometers in length		99%	99.9%	99.9%
Lead (pH 6.5)	0.15 mg/L ± 10%	0.010 mg/L		99.3%	99.3%
Lead (pH 8.5)	0.15 mg/L ± 10%	0.010 mg/L		99.4%	99.4%
Mercury (pH 6.5)	0.006 mg/L ± 10%	0.002 mg/L		96.6%	96.6%
Mercury (pH 8.5)	0.006 mg/L ± 10%	0.002 mg/L		91.1%	95.5%
Chloroform (VOC surrogate chemical)	0.300 mg/L ± 10%	0.015 mg/L		97.6%	99.7%

Flow Rate=0.5 gpm (1.9 Lpm); Capacity=1000 gallons (3785 L) or 12 months
Testing was performed under standard laboratory conditions; actual performance may vary.

⚠ WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

NOTE: Substances reduced are not necessarily in your water. Filter must be maintained according to manufacturer's instructions, including replacement of filter cartridges.

Test Conditions

Flow Rate	= 0.5 gpm
Inlet Pressure	= 60 psi (4.1 bar)
pH	= 7.5±1
Temperature	= 68°F ± 5°F (20°C ± 2.5°C)

Operating Requirements

Pressure	= 30–125 psi (2.1–8.62 bar)
Temperature	= 40–100°F (4.4–37.8°C)

Suggested Price

For replacement filter cartridges: W-250 $39.89

Organic Chemicals Included by Surrogate Testing

Substance	Influent Challenge Concentration mg/L	Maximum permissible product water concentration mg/L
alachor	0.050	0.001
atrazine	0.100	0.003
benzene	0.081	0.001
carbofuran	0.190	0.001
carbon tetrachloride	0.078	0.0018
chlorobenzene	0.077	0.001
chloropicrin	0.015	0.0002
2,4-D	0.110	0.0017
dibromochloropropane (DBCP)	0.052	0.00002
o-dichlorobenzene	0.080	0.001
p-dichlorobenzene	0.040	0.001
1,2-dichloroethane	0.088	0.0048
1,1-dichloroethylene	0.083	0.001
cis-1,2-dichloroethylene	0.170	0.0005
trans-1,2-dichloroethylene	0.086	0.001
1,2-dichloropropane	0.080	0.001
cis-1,3-dichloropropylene	0.079	0.001
dinoseb	0.170	0.0002
endrin	0.053	0.00059
ethylbenzene	0.088	0.001
ethylene dibromide (EDB)	0.044	0.00002
haloacetonitriles (HAN):		
bromochloroacetonitrile	0.022	0.0005
dibromoacetonitrile	0.024	0.0006
dichloroacetonitrile	0.0096	0.0002
trichloracetonitrile	0.015	0.0003
haloketones (HK):		
1,1-dichloro-2-propanone	0.0072	0.0001
1,1,1-trichloro-2-propanone	0.0082	0.0003
heptachlor	0.25	0.00001
heptachlor epoxide	0.0107	0.0002
hexachlorobutadiene	0.044	0.001
hexachlorocyclopentadiene	0.060	0.000002
lindane	0.055	0.00001
methoxychlor	0.050	0.0001
pentachlorophenol	0.096	0.001
simazine	0.120	0.004
styrene	0.150	0.0005
1,1,2,2,-tetrachloroethane	0.081	0.001
tetrachloroethylene	0.081	0.001
toluene	0.078	0.001
2,4,5-TP (silvex)	0.270	0.0016
tribromoacetic acid	0.042	0.001
1,2,4-trichlorobenzene	0.160	0.0005
1,1,1-trichloroethane	0.084	0.0046
1,1,2-trichloroethane	0.150	0.0005
trichloroethylene	0.180	0.0010
trihalomethanes (includes):		
chloroform (surrogate chemical)		
bromoform	0.300	0.015
bromodichloromethane		
chlorodibromomethane		
xylenes (total)	0.070	0.001