

Specifications & Performance Claims WHAMBS5

SPECIFICATIONS	
Supply Water Pressure Min. - Max.	30 - 100 psi (207 - 689 kPa)
Supply Water Temperature Min. - Max.	40 - 100 °F (4 - 38 °C)
Rated Service Flow	0.74 gallons per minute (2.8 liters per minute)
Filter Service Life	350 gallons (1,325 liters)
Inlet - Outlet	3/8" quick connect fittings
Maximum Supply Water Iron, Manganese & Hydrogen Sulfide	0

This system conforms to NSF/ANSI 42 and 53 for the specific performance claims as verified and substantiated by test data.

This filter improves the taste and odor and reduces many chemical contaminants in drinking water. The faucet indicator monitors the length of time the filter has been installed and will flash amber continuously, indicating the filters and battery need to be replaced.

This system has been tested according to NSF/ANSI 42 and 53 for the 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. The testing was performed using spiked tap water at a flow rate of 0.74 GPM (2.8 L/min.), pH of 7.5 ±0.5, pressure of 60 PSIG, and temperature of 68 ±5°F.

IMPORTANT NOTICE: Read this performance data and compare the capabilities of this unit with your actual water treatment needs. It is recommended that, before purchasing a water treatment unit, you have your water supply tested to determine your actual water treatment needs. This filter system is designed to be used for the reduction of the performance claims listed below. Do not use for the treatment of water that is visually contaminated (cloudy) or has an obvious contamination source, such as contamination by raw sewage. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts. While testing was performed under standard laboratory conditions, actual performance of the system may vary based on local water conditions. Some or all of the contaminants reduced by this unit may not be in your water supply. **See elsewhere in this manual for instructions on filter cartridge replacement, system installation, operating procedures, and warranty. The maintenance instructions must be followed for the product to perform as indicated below.**

NOTE: See labels on the water treatment system for additional information.

PERFORMANCE CLAIMS						
Contaminant	Required Influent Level (µg/L) ^②	NSF Max. Permissible Effl. Level (µg/L) ^②	Average Influent Level (µg/L) ^②	Avg. / Max. Effluent Level (µg/L) ^②	Avg. / Min. Percent Removal	EPA ^① Max. Contaminant Level (µg/L) ^②
Lead @ pH 6.5	150 ±10%	10	150	1 / 1	99.3 / 99.3	15
Lead @ pH 8.5	150 ±10%	10	140	1 / 1	99.3 / 99.3	15
Substance						
Chlorine Taste & Odor	2000 ±10%	50% ^③	1900	50 / 50	97.4 / 97.2	None ^④
Particulate, Class I ^⑤ (0.5 to <1 micron)	10,000 ^⑤	85% ^③	6,000,000 ^⑤	5,567 / 28,000 ^⑤	99.9 / 99.9	None ^④
VOC Reduction^⑥						
Chloroform	300 ±10%	95% ^③	320	0.5 / 0.5	99.8 / 99.8	80

① Environmental Protection Agency maximum contaminant level as required under the Safe Drinking Water Act.

② Micrograms per liter, which is equivalent to parts per billion (PPB).

③ NSF minimum percent reduction requirement. Acceptance level for this substance is based on percent reduction, rather than maximum effluent concentration.

④ The EPA has not determined a maximum contaminant level for this chemical.

⑤ Particulate Class I, reported in particles per milliliter.

⑥ Chloroform was used as a surrogate for the reduction of chemicals specified in the Organic Chemicals Reduced by Chloroform Surrogate Testing table (on the following page).

Performance Claims (continued)

ORGANIC CHEMICALS REDUCED BY CHLOROFORM SURROGATE TESTING

Contaminant	Average ^① Influent (µg/L) ^②	Maximum Effluent (µg/L) ^③	Percent Removal	EPA MCL ^⑦ (µg/L) ^②	Contaminant	Average ^① Influent (µg/L) ^②	Maximum Effluent (µg/L) ^③	Percent Removal	EPA MCL ^⑦ (µg/L) ^②
Alachlor	50	1.0 ^③	>98	2.0	Haloketones (HK):				
Atrazine	100	3.0 ^③	>97	3.0	1,1-Dichloro-2-propanone	7.2	0.1 ^④	99	NA
Benzene	81	1.0 ^③	99	5.0	1,1,1-Trichloro-2-propanone	8.2 ^⑥	0.3 ^④	96	NA
Carbofuran	190	1.0 ^③	>99	40	Heptachlor	25	0.01 ^③	>99	0.4
Carbon Tetrachloride	78	1.8 ^④	98	5.0	Heptachlor Epoxide	10.7 ^⑥	0.2 ^⑥	98	0.2
Chlorobenzene	77	1.0 ^③	99	100	Hexachlorobutadiene	44	1.0 ^③	98	NA
Chloropicrin	15	0.2 ^④	99	NA	Hexachlorocyclopentadiene	60	0.002 ^③	>99	50
2,4-D	110	1.7 ^④	98	70	Lindane	55	0.01 ^③	>99	0.2
Dibromochloropropane (DBCP)	52	0.02 ^③	>99	0.2	Methoxychlor	50	0.1 ^③	>99	40
o-Dichlorobenzene	80	1.0 ^③	99	600	Pentachlorophenol	96	1.0 ^③	99	1.0
p-Dichlorobenzene	40	1.0 ^③	98	75	Simazine	120	4.0 ^③	97	4.0
1,2-Dichloroethane	88	4.8 ^⑤	95 ^⑤	5.0	Styrene	150	0.5 ^③	>99	100
1,1-Dichloroethylene	83	1.0 ^③	99	7.0	1,1,2,2-Tetrachloroethane	81	1.0 ^③	99	NA
cis-1,2-Dichloroethylene	170	0.5 ^③	>99	70	Tetrachloroethylene	81	1.0 ^③	99	5.0
trans-1,2-Dichloroethylene	86	1.0 ^③	99	100	Toluene	78	1.0 ^③	99	1,000
1,2-Dichloropropane	80	1.0 ^③	99	5.0	2,4,5-TP (Silvex)	270	1.6 ^③	99	50
cis-1,3-Dichloropropylene	79	1.0 ^③	99	NA	Tribromoacetic Acid	42	1.0 ^③	98	NA
Dinoseb	170	0.2 ^④	99	7.0	1,2,4-Trichlorobenzene	160	0.5 ^③	>99	70
Endrin	53	0.59 ^④	99	2.0	1,1,1-Trichloroethane	84	4.6 ^④	95	200
Ethylbenzene	88	1.0 ^③	99	700	1,1,2-Trichloroethane	150	0.5 ^③	>99	5.0
Ethylene Dibromide (EDB)	44	0.02 ^③	>99	0.05	Trichloroethylene	180	1.0 ^③	>99	5.0
Haloacetonitriles (HAN):					Trihalomethanes (incl.):				
Bromochloroacetonitrile	22	0.5 ^④	98	NA	Chloroform (surrogate chemical)	300	15	95	80
Dibromoacetonitrile	24	0.6 ^④	98	NA	Bromoform				
Dichloroacetonitrile	9.6	0.2 ^④	98	NA	Bromodichloromethane				
Trichloroacetonitrile	15	0.3 ^④	98	NA	Chlorodibromomethane				
					Xylenes (total)	70	1.0 ^③	99	10,000

① Influent challenge levels are average influent concentrations determined in surrogate qualification testing.

② Micrograms per liter, which is equivalent to parts per billion (PPB).

③ Maximum product water level was not observed, but set at the detection limit of the analysis.

④ Maximum product water level set at a value determined in surrogate qualification testing.

⑤ Chemical reduction percent and maximum product water level calculated at chloroform 95% breakthrough point, as determined in surrogate qualification testing.

⑥ The surrogate test results for Heptachlor Epoxide demonstrated a 98% reduction. These data were used to calculate an upper occurrence concentration, which would produce a maximum product water level at the MCL.

⑦ Environmental Protection Agency maximum contaminant level as required under the Safe Drinking Water Act.

Cyst, virus and bacteria reduction tested by BioVir Labs, in accordance with the US EPA and State of California Department of Public Health test protocol.

Substance	Log Reduction	%Reduction
Cyst	3.5	99.95
Virus	4	99.99
Bacteria	6	99.9999