



System Tested and Certified by WQA against NSF/ANSI Standard 42 for the reduction of Chloramine, Chlorine Taste and Odor, and Particulate Class I; NSF/ANSI Standard 53 for the reduction of Lead, Mercury, Cysts, VOCs, MTBE and Turbidity; NSF/ANSI Standard 401 for the reduction of the claims specified on the Performance Data Sheet.



PERFORMANCE DATA SHEET

Models: U9000/U8500/U8500HO

NSF/ANSI STANDARD 53 (Health Effects)

This System has been tested according to NSF/ANSI Standard 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 Standard 53.

SUBSTANCE	INFLUENT CHALLENGE CONCENTRATION (mg/L)	MAX. PRODUCT WATER CONCENTRATION (mg/L)	ACTUAL % REDUCTION
alachlor	0.050	0.001	>98%
atrazine	0.100	0.003	>97%
benzene	0.081	0.001	>99%
carbofuran	0.190	0.001	>99%
carbon tetrachloride	0.078	0.0018	98%
chlorobenzene	0.077	0.001	>99%
chloropicrin	0.015	0.002	99%
2,4-D	0.110	0.0017	98%
dibromochloropropane (DBCP)	0.052	0.00002	>99%
o-dichlorobenzene	0.080	0.001	>99%
p-dichlorobenzene	0.040	0.001	>98%
1,2-dichloroethane	0.088	0.0048	>95%
1,1-dichloroethylene	0.083	0.001	>99%
cis-1,2-dichloroethylene	0.170	0.0005	>99%
trans-1,2-dichloroethylene	0.086	0.001	>99%
1,2-dichloropropane	0.080	0.001	>99%
cis-1,3-dichloropropylene	0.079	0.001	>99%
dinoseb	0.170	0.002	99%
endrin	0.053	0.00059	99%
ethylbenzene	0.088	0.001	>99%
ethylene dibromide (EDB)	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)	0.08	0.0001	>99%
heptachlor epoxide	0.0107	0.0002	98%

SUBSTANCE	INFLUENT CHALLENGE CONCENTRATION (mg/L)	MAX. PRODUCT WATER CONCENTRATION (mg/L)	ACTUAL % REDUCTION
hexachlorobutadiene	0.044	0.001	>98%
hexachlorocyclopentadiene	0.060	0.000002	>99%
lindane	0.055	0.00001	>99%
methoxychlor	0.050	0.0001	>99%
pentachlorophenol	0.096	0.001	>99%
simazine	0.120	0.004	>97%
styrene	0.150	0.0005	>99%
1,1,2,2-tetrachloroethane	0.081	0.001	>99%
tetrachloroethylene	0.081	0.001	>99%
toluene	0.078	0.001	>99%
2,4,5-TP (silvex)	0.270	0.0016	99%
tribromoacetic acid	0.042	0.001	>98%
1,2,4-trichlorobenzene	0.160	0.0005	>99%
1,1,1-trichloroethane	0.084	0.0046	>95%
1,1,2-trichloroethane	0.150	0.0005	>99%
trichloroethylene	0.180	0.0010	>99%
trihalomethanes (includes):	0.300	0.015	95%
chloroform (surrogate chemical)			
bromoform			
bromodichloromethane			
chlorodibromomethane			
xylene (total)	0.070	0.001	>99%

SUBSTANCE	INFLUENT CHALLENGE CONCENTRATION	REDUCTION REQUIREMENT	ACTUAL % REDUCTION
cyst (cryptosporidium, giardia)	min. 50,000/L	99.95%	99.99%

SUBSTANCE	INFLUENT CHALLENGE CONCENTRATION (mg/L)	MAX. PRODUCT WATER CONCENTRATION (mg/L)	ACTUAL % REDUCTION
lead (pH 6.5)	0.15 ± 10%	0.010	99.6%
lead (pH 8.5)	0.15 ± 10%	0.010	98.9%
mercury (pH 6.5)	0.006 ± 10%	0.002	96.1%
mercury (pH 8.5)	0.006 ± 10%	0.002	96.7%
MTBE (methyl tert-butyl ether)	0.015 ± 20%	0.005	96.6%
turbidity	11 ± 1 NTU	0.5 NTU	>99%

NSF/ANSI STANDARD 42 (Aesthetic Effects)

This System has been tested according to NSF/ANSI Standard 42 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 Standard 42.

SUBSTANCE	INFLUENT CHALLENGE CONCENTRATION	REDUCTION REQUIREMENT	ACTUAL % REDUCTION
chlorine	2.0 mg/L ± 10%	≥50%	98.4%
chloramine	3.0 mg/L ± 10%	0.5 mg/L	98.4%
particulate*	at least 10,000 particles/mL	≥85%	98.9%

*Class I particles 0.5 to <1 µm

NSF/ANSI STANDARD 401 (Emerging Compounds/Incidental Contaminants)

This System has been tested according to NSF/ANSI Standard 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 Standard 401.

SUBSTANCE	INFLUENT CHALLENGE CONCENTRATION (ng/L)	MAX. PRODUCT WATER CONCENTRATION (ng/L)	ACTUAL % REDUCTION
atenolol	200 ± 20%	30	95.8%
bisphenol A (BPA)	2,000 ± 20%	300	95.3%
carbamazepine	1,400 ± 20%	200	96.4%
DEET (diethyltoluamide)	1,400 ± 20%	200	99.0%
estrone	140 ± 20%	20	96.5%
ibuprofen	400 ± 20%	60	94.8%

SUBSTANCE	INFLUENT CHALLENGE CONCENTRATION (ng/L)	MAX. PRODUCT WATER CONCENTRATION (ng/L)	ACTUAL % REDUCTION
linuron	140 ± 20%	20	92.6%
meprobamate	400 ± 20%	60	94.5%
metolachlor	1,400 ± 20%	200	99.7%
naproxen	140 ± 20%	20	96.4%
nonylphenol	1,400 ± 20%	200	92.7%
phenytoin	200 ± 20%	30	94.5%
TCEP (Tris(2-chloroethyl)phosphate)	5,000 ± 20%	700	99.6%
TCPP (Tris(1-chloro-2-propyl)phosphate)	5,000 ± 20%	700	99.8%
trimethoprim	140 ± 20%	20	96.3%



SPECIFICATIONS

Models: U9000/U8500/U8500HO

WATERCHEF® UNDER-SINK WATER FILTRATION SYSTEMS (U9000/U8500/U8500HO)

Table with specifications: Installation, EPA Establishment Number, Rated Capacity (U9000), Rated Capacity (U8500/U8500HO), Replacement Filter Cartridge (U9000), Replacement Filter Cartridge (U8500/U8500HO), Replacement Battery (U9000), Filter Life Indicator (U9000), Rated Service Flow, Housing Construction, Maximum Working Pressure, Minimum Working Pressure, Maximum Operating Temperature, Minimum Operating Temperature, Particle Retention Size.

- 1. Do not use with water that is microbiologically unsafe... 2. For use on cold, potable water supplies only. 3. For this System to continue to perform as tested... 4. Installation of this product must comply with all state and local laws... 5. The contaminants or other substances removed... 6. Individuals requiring specific microbiological purity... 7. For limited warranty... 8. While testing was performed under standard laboratory conditions... 9. For more information regarding the purchase of genuine, WQA certified WaterChef® filter cartridges...

WaterChef Customer Care
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Reno, NV 89511
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email: customercare@waterchef.com
web: www.waterchef.com

ABBREVIATIONS:
mg/L: Milligrams per Liter
ng/L: Nanograms per Liter
psig: Pounds per Square Inch, Gauge
NTU: Nephelometric Turbidity Unit
VOC: Volatile Organic Compound
US-EPA: United States Environmental Protection Agency

FOR PURCHASES MADE IN IOWA

This form must be signed and dated by the buyer and seller prior to the consummation of the sale. This form must be retained by the seller for a minimum of two years.

BUYER

Form fields for Buyer: SIGNATURE, NAME (print or type), DATE, ADDRESS, CITY, STATE, ZIP

SELLER

Form fields for Seller: SIGNATURE, NAME (print or type), DATE, ADDRESS, CITY, STATE, ZIP

