WaterChef

System Certified by IAPMO R&T 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 claims specified on the Performance Data Sheet; NSF/ANSI Standard 372 for Lead-Free Compliance under the US SDWA.

PERFORMANCE DATA SHEET

MODELS: U9000/U8500/U8500HO

NSF/ANSI STANDARD 53 (Health Effects)

This System has been certified by IAPMO R&T 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	0.0002	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	0.0002	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%
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): chloroform (surrogate chemical) bromoform bromodichloromethane chlorodibromomethane	0.300	0.015	95%
xylenes (total)	0.070	0.001	>99%

**VOC chemicals included by surrogate testing*

SUBSTANCE	INFLUENT CHALLENGE CONCENTRATION	REDUCTION REQUIREMENT	ACTUAL % REDUCTION
cyst (cryptosporidium, giardia)	min. 50,000/L	99.95%	99.99%
VOC*	0.300 ± 10%	≥95%	>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 certified by IAPMO R&T 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%	99.9%

**Class I particles 0.5 to <1 µm*

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

This System has been certified by IAPMO R&T 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%
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%

WaterChef®

SPECIFICATIONS

MODELS: U9000/U8500/U8500HO

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

Installation	Under-Sink
EPA Establishment Number	63018-NV-001
Rated Capacity (U9000)	1,000 gallons (3,785 L)
Rated Capacity (U8500/U8500HO)	600 gallons (2,271 L)
Replacement Filter Cartridge (U9000)	UR90
Replacement Filter Cartridge (U8500/U8500HO)	UR85
Replacement Battery (U9000) *(included with UR90 Cartridge)*	2032 CR, 3V lithium
Filter Life Indicator (U9000)	Electronic LED
Rated Service Flow	0.75 gal/min @ 60 psi
Housing Construction	Surgical Stainless Steel
Maximum Working Pressure	125 psig (8.79 kg/cm^2, 861.8 kPa)
Minimum Working Pressure	30 psig (2.11 kg/cm^2, 206.8 kPa)
Maximum Operating Temperature *(for cold water use only)*	100º F / 38º C
Minimum Operating Temperature	34º F / 1º C
Particle Retention Size	Sub-Micron (0.5 micron)

1. 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 with disinfected water that may contain filterable cysts.
2. For use on cold, potable water supplies only.
3. For this System to continue to perform as tested and represented, use only genuine, IAPMO certified WaterChef® Filter Cartridges. Replace the filter cartridge when the first of the following occurs:
   - Annually
   - The flow rate diminishes
   - The rated capacity of the filter cartridge has been reached
   - You notice a taste or odor recurrence
4. Installation of this product must comply with all state and local laws and regulations. Refer to your local agencies for details.
5. The contaminants or other substances removed or reduced by this drinking water System are not necessarily in all users' water.
6. Individuals requiring specific microbiological purity should consult their physician.
7. For limited warranty, and installation and operating instructions, please refer to the Installation, Use & Care Guide.
8. While testing was performed under standard laboratory conditions, actual performance may vary. This System is retested and certified every five years for contaminant reduction as required to maintain the device certification listing.
9. For more information regarding the purchase of genuine, IAPMO certified WaterChef® filter cartridges and replacement parts, contact:

   WaterChef Customer Care
   3760 Barron Way
   Reno, NV 89511
   tel: 1.800.879.8909
   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: Nephelametric Turbidity Unit
VOC: Volatile Organic Compound
US-EPA: United States Environmental Protection Agency

UPC ®

IAPMO R&T WATER QUALITY PLATINUM SEAL IAPMO RESEARCH AND TESTING®

MADE IN THE USA OF FOREIGN & DOMESTIC PARTS