

# WaterChef Brand, Model U9000 Undercounter Filtration System

Water Safety Corporation  
 3760 Barron Way, Reno, NV, 89511  
 775-359-9500 WaterChef.com

## WATERCHEF UNDER-SINK FILTRATION SYSTEM (U9000)

Installation ..... Under-Sink  
 EPA Establishment Number ..... 63018-NV-001  
 Rated Capacity ..... 1,000 gallons (3,785 L)  
 Replacement Cartridge ..... UR90  
 Replacement Battery (included with UR90) ..... 2032 CR, 3V lithium  
 Filter Life Indicator ..... Electronic LED  
 Rated Service Flow ..... 0.65 gal/min @ 60 psi

Housing Construction & Lid Assembly ..... Surgical Stainless Steel  
 Maximum Working Pressure ..... 125 psig (861.8 kPa )  
 Minimum Working Pressure ..... 30 psig (206.8 kPa)  
 Maximum Operating Temperature (for cold water use only) ..... 100° F / 38° C  
 Minimum Operating Temperature ..... 34° F / 1° C  
 Particle Retention Size ..... Sub-Micron (0.5 micron)

## NSF/ANSI STANDARD 42 (Aesthetic Effects)

NSF Certified Performance Claims:

- Chlorine Reduction
- Chloramine Reduction
- Nominal Particulate Reduction, Class 1
- Taste and Odor Reduction
- Cyst Reduction
- Lead Reduction
- MTBE Reduction
- VOC Reduction

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%	93.1%
chloramine	3.0 mg/L ± 10%	0.5 mg/L	93.1%
particulate*	at least 10,000 particles/mL	≥85%	>99%

\*Class 1 particles 0.5 to <1 µm

<http://www.waterchef.com/images/documents/WaterChef-Performance-Data-Sheet-U9000.pdf>

## 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. PERMISSIBLE PRODUCT WATER CONCENTRATION (mg/L)	CHEMICAL REDUCTION PERCENT
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%

[continued]

SUBSTANCE	INFLUENT CHALLENGE CONCENTRATION (mg/L)	MAX. PERMISSIBLE PRODUCT WATER CONCENTRATION (mg/L)	CHEMICAL REDUCTION PERCENT
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	0.001	>99%
trihalomethanes (includes):			
chloroform (surrogate chemical)	0.300	0.015	95%
bromoform			
bromodichloromethane			
chlorodibromomethane			
xylenes (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. PERMISSIBLE PRODUCT WATER CONCENTRATION (mg/L)	CHEMICAL REDUCTION PERCENT
lead (pH 6.5)	0.15 ± 10%	0.010	>99%
lead (pH 8.5)	0.15 ± 10%	0.010	>99%
MTBE (methyl tert-butyl ether)	0.015 ± 10%	0.005	>94.3%

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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, NSF certified WaterChef® CR70 filter cartridges. Replace the filter cartridge when the first of the following occurs:
    - Annually
    - The flow rate diminishes
    - When the rated capacity of the filter cartridge has been reached
    - When 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. The approximate cost for a filter cartridge is \$55.00 or less.

9. For more information regarding the purchase of genuine, NSF certified WaterChef® filter cartridges and replacement parts, contact:

WaterChef Customer Care  
3760 Barron Way  
Reno, NV 89511  
tel: 1.800.879.8909  
email: [customer care@waterchef.com](mailto:customer care@waterchef.com)

**ABBREVIATIONS:**

ug/L: Micrograms per liter

Mg/L: Milligrams per liter

NTU: Nephelometric Turbidity Unit

MCL: Maximum Contaminant Level

VOC: Volatile Organic Compound

US-EPA: United States Environmental Protection Agency

See Installation, Use & Care Guide for general operation and maintenance requirements and the manufacturer's warranty. <http://www.waterchef.com/images/documents/WaterChef-Installation-Manual-U9000-Under-Sink.pdf>