WaterChef

System Tested and Certified by NSF International against NSF/ANSI Standard 42 for the reduction of Chloramine, Chlorine Taste and Odor, and nominal Particulate Class I, and NSF/ANSI Standard 53 for the reduction of Cysts, Lead, VOC and MTBE.

# PERFORMANCE DATA SHEET

**Model: C7000**

## 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% |

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

**Class I particles 0.5 to <1 µm*

Testing is conducted with actual contaminated water at high influent challenge levels. These high influent challenges are established using "occurrence" data from such agencies as USGS (United States Geological Survey) and USEPA (United States Environmental Protection Agency). These challenges are then set at the 95% occurrence for these contaminants. If there is no occurrence data on which to base the influent challenge, the Standard uses three (3) times the regulated level for the influent challenge. These filters are then tested to ensure that they reduce the contaminant below the regulated level for safe consumption. While testing was performed under standard laboratory conditions, actual performance may vary.

Percent reduction reflects the allowable claims for reduction of Volatile Organic Compounds (VOCs) based on NSF International Standard No 53 tables and the corresponding Influent Concentrations, for all systems which have a demonstrated capacity to reduce Chloroform by 95% or better (Chloroform is used as a "surrogate" chemical for all VOC reduction claims). Actual testing of the CT-35E system conducted by NSF International (tested to 120% of claimed capacity) demonstrated a 99.7% reduction rate for the removal of Chloroform.

WaterChef

SPECIFICATIONS

Model: C7000

## WATERCHEF COUNTERTOP FILTRATION SYSTEM (C7000)

| | |
|---|---|
| Installation | Countertop |
| EPA Establishment Number | 63018-NV-001 |
| Rated Capacity | 1,000 gallons (3,785 L) |
| Replacement Cartridge | CR70 |
| Replacement Battery *(included with CR70)* | 2032 CR, 3V lithium |
| Filter Life Indicator | Electronic LED |
| Rated Service Flow | 0.65 gal/min @ 60 psi |
| Housing Construction | High Impact ABS/Surgical Stainless Steel |
| Maximum Working Pressure | 100 psig (689.5 kPa ) |
| Minimum Working Pressure | 30 psig (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) |

U.S. Patent Number: D408,494

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 Replacement Cartridges. Replace Cartridge when the first of the following occurs:
   - Annually
   - The flow rate diminishes
   - When the rated capacity of the Cartridge has been reached
   - When you notice a taste or odor reoccurrence
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 Replacement Cartridge is $50.00 or less.
9. For more information regarding the purchase of genuine, NSF Certified, WaterChef Replacement Cartridges and replacement parts, contact:

   WaterChef
   3760 Barron Way
   Reno, NV 89511
   tel: 1.800.879.8909
   email: info@waterchef.com

ABBREVIATIONS:
ug/L: Micrograms per liter
Mg/L: Milligrams per liter
NTU: Nephelametric Turbidity Unit
MCL: Maximum Contaminant Level
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

SIGNATURE

NAME (print or type)

DATE

ADDRESS

CITY STATE ZIP

### SELLER

SIGNATURE

NAME (print or type)

DATE

ADDRESS

CITY STATE ZIP