



Performance Data Sheet

Multipure Drinking Water Systems have been tested and certified under NSF/ANSI Standard No. 53 as shown 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 53 HEALTH EFFECTS



Model Nos. CB-VOC-SB, CB-VOC-SC, CB-VOC-SI, CB-VOC-SB-PID

| Substance | Percent Reduction** | Influent challenge concentration (mg/L unless specified) | Maximum permissible product water concentration (mg/L unless specified) |
|--|---------------------|---|---|
| ALACHLOR* | >98% | 0.05 | 0.001 |
| ASBESTOS | >99.9% | 10 ⁷ to 10 ⁸ fibers/L; fibers greater than 10 micrometers in length | 99% reduction requirement |
| ATRAZINE* | >97% | 0.1 | 0.003 |
| BENZENE* | >99% | 0.081 | 0.001 |
| BROMODICHLOROMETHANE (TTHM)* | >99.8% | 0.300 +/- 0.30 | 0.015 |
| BROMOFORM (TTHM)* | >99.8% | 0.300 +/- 0.30 | 0.015 |
| CARBOFURAN (Furadan)* | >99% | 0.19 | 0.001 |
| CARBON TETRACHLORIDE* | 98% | 0.078 | 0.0018 |
| CHLORDANE | >99.5% | 0.04 +/- 10% | 0.002 |
| CHLOROBENZENE (Monochlorobenzene)* | >99% | 0.077 | 0.001 |
| CHLOROPICRIN* | 99% | 0.015 | 0.0002 |
| CHLOROFORM (TTHM)* (surrogate chemical) | >99.8% | 0.300 +/- 0.30 | 0.015 |
| Cryptosporidium (CYST) | 99.95% | minimum 50,000/mL | 99.95% |
| CYST (Giardia; Cryptosporidium; Entamoeba; Toxoplasma) | 99.95% | minimum 50,000/mL | 99.95% |
| 2, 4-D* | 98% | 0.110 | 0.0017 |
| DBCP (see Dibromochloropropane)* | >99% | 0.052 | 0.00002 |
| 1,2-DCA (see 1,2-DICHLOROETHANE)* | 95% | 0.088 | 0.0048 |
| 1,1-DCE (see 1,1-DICHLOROETHYLENE)* | >99% | 0.083 | 0.001 |
| DIBROMOCHLOROMETHANE (TTHM; Chlorodibromomethane)* | >99.8% | 0.300 +/- 0.30 | 0.015 |
| DIBROMOCHLOROPROPANE (DBCP)* | >99% | 0.052 | 0.00002 |
| o-DICHLOROBENZENE (1,2 Dichlorobenzene)* | >99% | 0.08 | 0.001 |
| p-DICHLOROBENZENE (para-Dichlorobenzene)* | >98% | 0.04 | 0.001 |
| 1,2-DICHLOROETHANE (1,2-DCA)* | 95% | 0.088 | 0.0048 |
| 1,1-DICHLOROETHYLENE (1,1-DCE)* | >99% | 0.083 | 0.001 |
| CIS-1,2-DICHLOROETHYLENE* | >99% | 0.17 | 0.0005 |
| TRANS-1,2- DICHLOROETHYLENE* | >99% | 0.086 | 0.001 |
| 1,2-DICHLOROPROPANE (Propylene Dichloride)* | >99% | 0.08 | 0.001 |
| CIS-1,3- DICHLOROPROPYLENE* | >99% | 0.079 | 0.001 |
| DINOSEB* | 99% | 0.17 | 0.0002 |
| EDB (see ETHYLENE DIBROMIDE)* | >99% | 0.044 | 0.00002 |
| ENDRIN* | 99% | 0.053 | 0.00059 |
| Entamoeba (see CYSTS) | 99.95% | minimum 50,000/mL | 99.95% |
| ETHYLBENZENE* | >99% | 0.088 | 0.001 |
| ETHYLENE DIBROMIDE (EDB)* | >99% | 0.044 | 0.00002 |
| Furadan (see CARBOFURAN)* | >99% | 0.19 | 0.001 |
| Giardia Lamblia (see CYST) | >99.95% | minimum 50,000/mL | 99.95% |

** Percent reduction reflects actual performance of Multipure product as specifically tested (at 200% of capacity). Percent reduction shown for VOCs* reflects the allowable claims for Volatile Organic Chemicals/Compounds as per Tables. Chloroform was used as a surrogate for VOC reduction claims; the Multipure Systems actual reduction rate of Chloroform was >99.8% as tested (at 200% capacity).

| Substance | Percent Reduction** | Influent challenge concentration (mg/L unless specified) | Maximum permissible product water concentration (mg/L unless specified) |
|--|---------------------|--|---|
| HALOACETONITRILES (HAN)* | | | |
| BROMOCHLOROACETONITRILE | 98% | 0.022 | 0.0005 |
| DIBROMOACETONITRILE | 98% | 0.024 | 0.0006 |
| DICHLOROACETONITRILE | 98% | 0.0096 | 0.0002 |
| TRICHLOROACETONITRILE | 98% | 0.015 | 0.0003 |
| HALOKETONES (HK):* | | | |
| 1,1-DICHLORO-2-PROPANONE | 99% | 0.0072 | 0.0001 |
| 1,1,1-TRICHLORO-2-PROPANONE | 96% | 0.0082 | 0.0003 |
| HEPTACHLOR* | >99% | 0.25 | 0.00001 |
| HEPTACHLOR EPOXIDE* | 98% | 0.0107 | 0.0002 |
| HEXACHLOROBUTADIENE (Perchlorobutadiene)* | >98% | 0.044 | 0.001 |
| HEXACHLOROCYCLOPENTADIENE* | >99% | 0.060 | 0.000002 |
| LEAD (pH 8.5) | >99.3% | 0.15 +/- 10% | 0.010 |
| LEAD (pH 8.5) | >99.3% | 0.15 +/- 10% | 0.010 |
| LINDANE* | >99% | 0.055 | 0.00001 |
| MERCURY (pH 8.5) | >99% | 0.006 +/- 10% | 0.002 |
| MERCURY (pH 8.5) | >99% | 0.006 +/- 10% | 0.002 |
| METHOXYCHLOR* | >99% | 0.050 | 0.0001 |
| Methylbenzene (see TOLUENE)* | >99% | 0.078 | 0.001 |
| Monochlorobenzene (see CHLOROBENZENE)* | >99% | 0.077 | 0.001 |
| MTBE (methyl tert-butyl ether) | >96.6% | 0.015 +/- 20% | 0.005 |
| POLYCHLORINATED BIPHENYLS (PCBs , Aroclor 1260) | >99.9% | 0.01 +/- 10% | 0.0005 |
| PCE (see TETRACHLOROETHYLENE)* | >99% | 0.081 | 0.001 |
| PENTACHLOROPHENOL* | >99% | 0.096 | 0.001 |
| Perchlorobutadiene (see HEXACHLOROBUTADIENE)* | >98% | 0.044 | 0.001 |
| Propylene Dichloride (see 1,2 -DICHLOROPROPANE)* | >99% | 0.080 | 0.001 |
| SIMAZINE* | >97% | 0.120 | 0.004 |
| Silvex (see 2,4,5-TP)* | 99% | 0.270 | 0.0016 |
| STYRENE (Vinylbenzene)* | >99% | 0.15 | 0.0005 |
| 1,1,1-TCA (see 1,1,1 - TRICHLOROETHANE)* | 95% | 0.084 | 0.0046 |
| TCE (see TRICHLOROETHYLENE)* | >99% | 0.180 | 0.0010 |
| 1,1,2,2- TETRACHLOROETHANE* | >99% | 0.081 | 0.001 |
| TETRACHLOROETHYLENE* | >99% | 0.081 | 0.001 |
| TOLUENE (Methylbenzene)* | >99% | 0.078 | 0.001 |
| TOXAPHENE | >92.9% | 0.015 +/- 10% | 0.003 |
| Toxoplasma (see CYSTS) | 99.95% | minimum 50,000/mL | 99.95% |
| 2,4,5-TP (Silvex)* | 99% | 0.270 | 0.0016 |
| TRIBROMOACETIC ACID* | 98% | 0.042 | 0.001 |
| 1,2,4 TRICHLOROBENZENE (Unsymtrichlorobenzene)* | >99% | 0.160 | 0.0005 |
| 1,1,1-TRICHLOROETHANE (1,1,1-TCA)* | 95% | 0.084 | 0.0046 |
| 1,1,2-TRICHLOROETHANE* | >99% | 0.150 | 0.0005 |
| TRICHLOROETHYLENE (TCE)* | >99% | 0.180 | 0.0010 |
| TRIHALOMETHANES (TTHM) (Chloroform; Bromoform; Bromodichloromethane; Dibromochloromethane) | >99.8% | 0.300 +/- 0.30 | 0.015 |
| TURBIDITY | >99% | 11 +/- 1 NTU | 0.5 NTU |
| Unsym-Trichlorobenzene (see 1,2,4-TRICHLOROBENZENE)* | >99% | 0.160 | 0.0005 |
| Vinylbenzene (see STYRENE)* | >99% | 0.150 | 0.0005 |
| XYLENES (TOTAL)* | >99% | 0.070 | 0.001 |

Note: This addresses the U.S. Environmental Protection Agency (USEPA) Primary and Secondary Drinking Water Regulations in effect at its time of publication, as they related to Multipure's performance in conformance to the industry performance criteria. These regulations are continually being updated at the Federal level. Accordingly, this list of MCLs will be reviewed and amended when appropriate.

Multipure Drinking Water Systems

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NSF/ANSI 42 - AESTHETIC EFFECTS

The systems have been tested according to NSF/ANSI Standard No. 42 for the reduction of the following substances. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal

| Substance | Percent Reduction** | Influent challenge concentration | Maximum permissible product water concentration |
|---|---------------------|----------------------------------|---|
| CHLORAMINE as Aesthetic Effect (As Monochloramine) | >97% | 3.0 mg/L +/- 10% | 0.5 mg/L |
| CHLORINE as Aesthetic Effect | 99% | 2.0 Mg/L +/- 10% | > or = 75%* |
| PARTICULATE , (Nominal Particulate Reduction, Class I, Particles 0.5 TO <1 UM) | Class I > 99% | At Least 10,000 particles/mL | > or = 85%* |

FOOTNOTES:

1. Multipure Drinking Water Systems have been certified, as indicated, by NSF International for compliance to NSF/ANSI Standard Nos. 42 and 53.
2. The Multipure Drinking Water Systems have been certified by the State of California Department of Public Health for the reduction of specific contaminants listed herein.
3. Chloroform was used as a surrogate for claims of reduction of VOCs. Multipure Systems tested at >99.8% actual reduction of Chloroform. Percent reduction shown herein reflects the allowable claims for VOCs as per tables in the Standard.
4. **Do not use with water that is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the unit. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.**
5. Filter life will vary in proportion to the amount of water used and the level of impurities in the water being processed. For optimum performance and to maintain your warranty, it is essential that the filter be replaced when the first of the following occurs: (a) annually; (b) when the unit's rated capacity is reached; (c) the flow rate diminishes; (d) the filter becomes saturated with bad tastes and odors.
6. Model No. CB-VOC-SB-PID includes a capacity monitor that automatically flashes red when it is time to replace your filter.
7. Multipure Drinking Water System housings are warranted for a lifetime; all exterior hoses and attachments to the System are warranted for one year. Please see the Owner's Manual for complete product guarantee and warranty information.
8. Please see the Owner's Manual for installation instructions and operating procedures.
9. In compliance with New York law, it is recommended that before purchasing a water treatment system, NY residents have their water supply tested to determine their actual water treatment needs. Please compare the capabilities of the Multipure unit with your actual water treatment needs.
10. While testing was performed under standard laboratory conditions, actual performance may vary.
11. The list of substances which the treatment device reduces does not necessarily mean that these substances are present in your tap water.

Operational Specifications

| CB-VOC-Sx series | |
|------------------------------------|---------------------------------------|
| Replacement Filter Type | CBTVOC |
| Approximate Filter Capacity | 750 gallons/1200 gallons* |
| Approximate Flow Rate @ 60 psi | .75 gpm |
| Maximum Working Pressure | 100 psi/ 7.0 kg/cm ² |
| Minimum Working Pressure | 30 psi/ 2.1 kg/cm ² |
| Maximum Operating Temperature | 100°F/38°C for cold water use only |
| Minimum Operating Temperature | 32°F/0°C for cold water use only |
| * with end-of-life indicator (PID) | |



CB-VOC-SC

**California Certification
Department of Public Health**

State of California
Department of Health Services
Water Treatment Device
Certificate Number
03 - 1580
Date Issued: June 25, 2003
Date Revised: February 9, 2004

| <u>Trademark/Model Designation</u> | <u>Replacement Element(s)</u> |
|------------------------------------|-------------------------------|
| Multi-Pure Plus CB-SB | MPPTCB |
| Multi-Pure Plus CB-SC | MPPTCB |
| Multi-Pure Plus CB-SI | MPPTCB |
| Multi-Pure CB-VOC-SB | CBTVOC |
| Multi-Pure CB-VOC-SC | CBTVOC |
| Multi-Pure CB-VOC-SI | CBTVOC |

Manufacturer: Multi-Pure

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 116830 of the Health and Safety Code for the following health related contaminants:

Microbiological Contaminants and Turbidity

Cysts
Turbidity

Inorganic/Radiological Contaminants

Asbestos
Lead
Mercury

Organic Contaminants

Chlordane
MTBE
PCB
Toxaphene
VOCs
Alachlor
Atrazine
Benzene
Carbofuran
Carbon Tetrachloride
Chlorobenzene
Chloroform
2,4-D
DBCP
o-Dichlorobenzene
p-Dichlorobenzene
1,2-Dichloroethane
1,1-Dichloroethylene
cis-1,2-Dichloroethylene
trans-1,2-Dichloroethylene
1,2-Dichloropropane
cis-1,3-Dichlorocyclopentane
Dioxin

Endrin
Ethylbenzene
EDE
Halooxetonitiles (HAI)
Hexachlorocyclopentadiene
Dibromocetonitrile
Dichlorocetonitrile
Trichlorocetonitrile
Haloketones (HK)
1,1-Dichloro-2-Propanone
1,1,1-Trichloro-2-Propanone
Heptachlor
Heptachlor Epoxide
Hexachlorobutadiene
Hexachlorocyclopentadiene
Lindane
Methoxychlor
Pentachlorophenol

Sinigrin
Styrene
1,1,2,2-Tetrachloroethane
Tetrachloroethylene
Toluene
2,4,5-TP (Silvex)
Trichloroacetic Acid
1,2,4-Trichlorobenzene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethylene
Trihalomethanes: (THM's)
Bromodichloromethane
Bromochloroform
Chloroform
Chlorodibromomethane
Xylenes

Rated Service Capacity: 750 gal

Rated Service Flow: 0.75 gpm

Do not use where water is microbiologically unsafe or with water of unknown quality, except that systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.



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