

Performance Data Sheet



Multi-Pure 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, CB1100SB, CB1100SC, CB1100SI, CB1600SB, CB1600SC, CB1100PB, CB1100PI, and CB1600PB

Substance	Percent Reduction**	Influent challenge concentration	Maximum permissible product water concentration
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%	0.3	0.015
BROMOFORM (TTHM)*	>99.8%	0.3	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%	0.45 +/- 20%	0.080
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	0.015
DIBROMOCHLOROPROPANE (DBCP)*	>99%	0.052	0.00002
o-DICHLOROENZENE (1,2 Dichlorobenzene)*	>99%	0.08	0.001
p-DICHLOROENZENE (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 Multi-Pure 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 Multi-Pure Systems actual reduction rate of Chloroform was >99.8% as tested (at 200% capacity).

Substance	Percent Reduction**	Influent challenge concentration	Maximum permissible product water concentration
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%	0.08	0.0004
HEPTACHLOR EPOXIDE*	98%	0.0107	0.0002
HEXACHLOROBUTADIENE (Perchlorobutadiene)*	>98%	0.044	0.001
HEXACHLOROCYCLOPENTADIENE*	>99%	0.060	0.000002
LEAD (pH 6.5)	>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 6.5)	>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
1,1,1,2,2- 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*		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%	0.45 +/- 20%	0.080
TURBIDITY	>99%	11 +/- NTU	0.5 NTU
Unsym-Trichlorobenzene (see 1,2,4-	>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 Multi-Pure'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.

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. Multi-Pure Drinking Water Systems have been certified, as indicated, by NSF International for compliance to NSF/ANSI Standard Nos. 42 and 53.
2. The Multi-Pure Drinking Water Systems have been certified by the State of California Department of Health Services for the reduction of specific contaminants listed herein.
3. Chloroform was used as a surrogate for claims of reduction of VOCs. Multi-Pure 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. Replace the filter cartridge 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. Multi-Pure Drinking Water System housings are warranted for a period of 25 years; 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.
7. Please see the Owner's Manual for installation instructions and operating procedures.
8. 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 Multi-Pure unit with your actual water treatment needs.
9. Check for compliance with state and local laws and regulations.
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.



CB1100/1600SB



CB1100/1600SC



CB1100/1600PB



CB-VOC-SB



CB-VOC-SC

Operational Specifications

	<u>CB1100/1600 Sx</u>	<u>CB1100/1600 Px</u>	<u>CB-VOC-Sx</u>
Replacement Filter Type	CBT	CBN	CBTVOC
Approximate Filter Cost	\$100.00 +	\$100.00 +	\$50.00 +
Approximate Filter Capacity	1100 gallons / 1600 gallons*	1100 gallons / 1600 gallons*	750 gallons
Approximate Flow Rate @ 60 psi	1.0 gpm	1.0 gpm	0.75 gpm
Maximum Working Pressure	100 psi/8.8 kg/cm ²	100 psi/8.8 kg/cm ²	100 psi/8.8 kg/cm ²
Minimum Working Pressure	30 psi/2.1 kg/cm ²	30 psi/2.1 kg/cm ²	30 psi/2.1 kg/cm ²
Maximum Operating Temperature - in degrees	100 F / 38 C - for cold water use	100 F / 38 C - for cold water use	100 F / 38 C - for cold water use

+ plus tax and shipping and handling

* 1600 gallons with models with end-of-life indicator

California Department of Health Services Certification / Registration

State of California
Department of Health Services
Water Treatment Device
Certificate Number
03-1579

Date Issued: June 25, 2003
Date Revised: February 9, 2004

Trademark/Model Designation	Replacement Element(s)	Capacity
Multi-Pure Plus 1100SB	MPPT	1100gal
Multi-Pure Plus 1100SC	MPPT	1100gal
Multi-Pure Plus 1100SI	MPPT	1100gal
Multi-Pure Plus 1600SB	MPPT	1600gal
Multi-Pure Plus 1600SC	MPPT	1600gal
Multi-Pure CE1100SB	CBT	1100gal
Multi-Pure CE1100SC	CBT	1100gal
Multi-Pure CE1100SI	CBT	1100gal
Multi-Pure CE1600SB	CBT	1600gal
Multi-Pure CE1600SC	CBT	1600gal

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

Chlorine
MTBE
PCB
Tocophene
VOCs

Aldrich	Atrazine	Benzene
Bromochloroethane ¹	Bromoform ¹	Carbenthim
Cubox Tetrachloride	Chloroform	Chloroform
2,4-D	DBCP	Dibromochloroethane ¹
o-Dichlorobenzene	p-Dichlorobenzene	1,1-Dichloroethane
1,2-Dichloroethane	trans-1,2-Dichloroethylene	1,1-Dichloroethylene
cis-1,2-Dichloroethylene	1,2-Dichloropropane	cis-1,3-Dichloropropylene
Dinoseb	EDB	Endrin
Dibutyltin	Heptachlor	Heptachlor Epoxide
Ethylbenzene	Hexachlorcyclopentadiene	Lindane
Hexachlorocyclopentadiene	Heptachlorcyclopentadiene	Lindane
Methoxychlor	Permethrin	Simazine
Styrene	2,4,5-TP (Silver)	Tetrahydroethylene
1,1,2-Trichloroethane	Toluene	1,2,4-Trichlorobenzene
1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethylene
m-Xylene	o-Xylene	p-Xylene

Rated Service Flow: 1.0 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.

State of California
Department of Health Services
Water Treatment Device
Certificate Number
03-1580

Date Issued: June 25, 2003
Date Revised: February 9, 2004

Trademark/Model Designation	Replacement Element(s)
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

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Microbiological Contaminants and Turbidity

Cysts
Turbidity

Inorganic/Radiological Contaminants

Asbestos
Lead
Mercury

Organic Contaminants

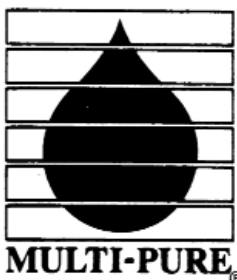
Chlorine
MTBE
PCB
Tocophene
VOCs

Aldrich	Endrin	Simazine
Atrazine	Ethylbenzene	Styrene
Benzene	EDB	1,1,2-Tetrachloroethane
Carbenthim	Halocarboniles (HAI)	Tetrahaloethylene
Cubox Tetrachloride	Bromochloroethane	Toluene
Chlorobenzene	Dibromochloroethane	2,4,5-TP (Silver)
Chloroform	Trihaloethane	Tribromoacetic Acid
2,4-D	1,1-Dichloro-2-Propanone	1,2,4-Trichloroethane
DBCP	1,1,1-Trichloro-2-Propanone	1,1,1-Trichloroethane
o-Dichlorobenzene	Heptachlor	1,1,2-Trichloroethane
p-Dichlorobenzene	Heptachlor Epoxide	Trichloroethylene
1,2-Dichloroethane	Hexachlorocyclopentadiene	Trichloroethylene (THM)
1,1-Dichloroethylene	Hexachlorocyclopentadiene	Bromochloroethane
cis-1,2-Dichloroethylene	Lindane	Bromoform
trans-1,2-Dichloroethylene	Methoxychlor	Chlorobromomethane
1,2-Dichloropropane	Permethrin	Xylene
cis-1,3-Dichloropropylene		
Dinoseb		

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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