



# Performance Data Sheet

Multi-Pure Drinking Water Systems have been tested and certified under NSF/ANSI Standard Nos. 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.



For Model Nos. MP880SB, MP880SC, MP880SI, MP880EL

Substance	Percent Reduction**	Influent challenge concentration	Maximum permissible product water concentration
ALACHLOR*	>98%	0.05	0.001
ARSENIC (pentavalent As (V); As (+5); arsenate @ 6.5 pH)	>99.9%	0.050 +/- 10%	0.010
ARSENIC (pentavalent As (V); As (+5); arsenate @ 8.5 pH)	>95.8%	0.050 +/- 10%	0.010
ASBESTOS	>99.9%	10 <sup>7</sup> to 10 <sup>8</sup> 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)	>99.99%	minimum 50,000/L	99.95%
CYST (Giardia; Cryptosporidium; Entamoeba; Toxoplasma)	>99.99%	minimum 50,000/L	99.95%
2, 4-D*	98%	0.11	0.00017
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-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)	99.99%	minimum 50,000/L	99.95%
ETHYLBENZENE*	>99%	0.088	0.001
ETHYLENE DIBROMIDE (EDB)*	>99%	0.044	0.00002

\*\*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% of capacity).

Substance	Percent Reduction**	Influent challenge concentration	Maximum permissible product water concentration
Furadan (see CARBOFURAN)*	>99%	0.19	0.001
Giardia Lamblia (see CYST)	>99.99%	minimum 50,000/L	99.95%
<b>HALOACETONITRILES (HAN)*</b>			
<b>BROMOCHLOROACETONITRILE</b>	98%	0.022	0.0005
<b>DIBROMOACETONITRILE</b>	98%	0.024	0.0006
<b>DICHLOROACETONITRILE</b>	98%	0.0096	0.0002
<b>TRICHLOROACETONITRILE</b>	98%	0.015	0.0003
<b>HALOKETONES (HK):*</b>			
<b>1,1-DICHLORO-2-PROPANONE</b>	99%	0.0072	0.0001
<b>1,1,1-TRICHLORO-2-PROPANONE</b>	96%	0.0082	0.0003
<b>HEPTACHLOR*</b>	>99%	0.08	0.0004
<b>HEPTACHLOR EPOXIDE*</b>	98%	0.0107	0.0002
<b>HEXACHLOROBUTADIENE (Perchlorobutadiene)*</b>	>98%	0.044	0.001
<b>HEXACHLOROCYCLOPENTADIENE*</b>	>99%	0.060	0.000002
<b>LEAD (pH 6.5)</b>	>99.99%	0.15 +/- 10%	0.010
<b>LEAD (pH 8.5)</b>	>99.99%	0.15 +/- 10%	0.010
<b>LINDANE*</b>	>99%	0.055	0.00001
<b>MERCURY (pH 6.5)</b>	>99.99%	0.006 +/- 10%	0.002
<b>MERCURY (pH 8.5)</b>	>99.99%	0.006 +/- 10%	0.002
<b>METHOXYCHLOR*</b>	>99%	0.050	0.0001
Methylbenzene (see TOLUENE)*	>99%	0.078	0.001
Monochlorobenzene (see CHLOROENZENE)*	>99%	0.077	0.001
<b>MTBE (methyl tert-butyl ether)</b>	>96.6%	0.015 +/- 20%	0.005
<b>POLYCHLORINATED BIPHENYLS (PCBs , Aroclor 1260)</b>	>97%	0.01 +/- 10%	0.0005
<b>PCE (see TETRACHLOROETHYLENE)*</b>	>99%	0.081	0.001
<b>PENTACHLOROPHENOL*</b>	>99%	0.096	0.001
Perchlorobutadiene (see HEXACHLOROBUTADIENE)*	>98%	0.044	0.001
Propylene Dichloride (see 1,2 -DICHLOROPROPANE)*	>99%	0.080	0.001
<b>SIMAZINE*</b>	>97%	0.120	0.004
Silvex (see 2,4,5-TP)*	99%	0.270	0.0016
<b>STYRENE (Vinylbenzene)*</b>	>99%	0.15	0.0005
1,1,1-TCA (see 1,1,1 - TRICHLOROETHANE)*	95%	0.084	0.0046
<b>TCE (see TRICHLOROETHYLENE)*</b>	>99%	0.180	0.0010
<b>1,1,2,2- TETRACHLOROETHANE*</b>	>99%	0.081	0.001
<b>TETRACHLOROETHYLENE*</b>	>99%	0.081	0.001
<b>TOLUENE (Methylbenzene)*</b>	>99%	0.078	0.001
<b>TOXAPHENE</b>	>92.9%	0.015 +/- 10%	0.003
Toxoplasma (see CYSTS)	99.99%	minimum 50,000/L	99.95%
<b>2,4,5-TP (Silvex)*</b>	99%	0.270	0.0016
<b>TRIBROMOACETIC ACID*</b>		0.042	0.001
<b>1,2,4 TRICHLOROENZENE (Unsymtrichlorobenzene)*</b>	>99%	0.160	0.0005
<b>1,1,1-TRICHLOROETHANE (1,1,1-TCA)*</b>	95%	0.084	0.0046
<b>1,1,2-TRICHLOROETHANE*</b>	>99%	0.150	0.0005
<b>TRICHLOROETHYLENE (TCE)*</b>	>99%	0.180	0.0010
<b>TRIHALOMETHANES (TTHM) (Chloroform; Bromoform; Bromodichloromethane; Dibromochloromethane)</b>	>99.8%	0.45 +/- 20%	0.080
<b>TURBIDITY</b>	>99%	11 +/- NTU	0.5 NTU
Unsym-Trichlorobenzene (see 1,2,4-TRICHLOROENZENE)*	>99%	0.160	0.0005
Vinylbenzene (see STYRENE)*	>99%	0.150	0.0005
<b>XYLENES (TOTAL)*</b>	>99%	0.070	0.001

## NSF/ANSI 42 - Aesthetic Effects

The System has been tested according to NSF/ANSI Standard 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 to the permissible limit for water leaving the system.

Substance	Percent Reduction**	Influent challenge concentration	Maximum permissible product water concentration
<b>CHLORAMINE as Aesthetic Effect</b> (As Monochloramine)	>98.3%	3.0 mg/L +/- 10%	0.001
<b>CHLORINE as Aesthetic Effect</b>	99%	2.0 Mg/L +/- 10%	> or = 75%
<b>PARTICULATE</b> , (Nominal Particulate Reduction, Class I, Particles 0.5 TO <1 UM	Class I > 99%	At Least 10,000 particles/mL	> or = 85%

Note: This addresses the U.S. Environmental Protection Agency (EPA) Primary and Secondary Drinking Water Regulations in effect at its time of publication, they relate 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. Please see sales brochure for list of product certifications.

### FOOTNOTES:

1. Multi-Pure Drinking Water Systems have been certified, as indicated, by NSF International for compliance to ANSI/NSF Standard Nos. 42 & 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. The systems have been tested for the treatment of water containing pentavalent arsenic.
5. 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 on disinfected water that may contain filterable cysts.
6. 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, it is essential that the filter be replaced on a regularly scheduled basis as follows: (a) annually; (b) when the unit's rated capacity has been reached; (c) the flow rate diminishes; (d) the filter becomes saturated with bad tastes and odors.
7. Model No. MP880EL includes a capacity monitor that automatically flashes a yellow light when it is time to replace your filter.
8. 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.
9. Please see the Owner's Manual for installation instructions and operating procedures.
10. 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.
11. Check for compliance with state and local laws and regulations.
12. While testing was performed under standard laboratory conditions, actual performance may vary.
13. The list of substances which the treatment device reduces does not necessarily mean that these substances are present in your water.



MP880SB



MP880SC

Operational Specifications	MP880SB	MP880SC	MP880SI	MP880EL
Approximate Service Capacity (6)	600 Gallons	600 Gallons	600 Gallons	960 Gallons
Replacement Filter Model No./ Approx. Cost	CB11AS/\$110	CB11AS/\$110	CB11AS/\$110	CB11AS/\$110
Approximate Flow Rate @ 60 psi	1.0 gpm	1.0 gpm	1.0 gpm	1.0 gpm
Maximum Water Pressure	100 psi/7.03 kg/cm <sup>2</sup>	100 psi/7.03 kg/cm <sup>2</sup>	100 psi/7.03 kg/cm <sup>2</sup>	100 psi/7.03 kg/cm <sup>2</sup>
Minimum Water Pressure	30 psi/2.1 kg/cm <sup>2</sup>	30 psi/2.1 kg/cm <sup>2</sup>	30 psi/2.1 kg/cm <sup>2</sup>	30 psi/2.1 kg/cm <sup>2</sup>
Maximum Operating Temperature	100°F/38°C for cold water use	100°F/38°C for cold water use	100°F/38°C for cold water use	100°F/38°C for cold water use
Minimum Operating Temperature	32°F/0°C	32°F/0°C	32°F/0°C	32°F/0°C

# California Department of Health Services Certification / Registration

State of California  
Department of Health Services  
Water Treatment Device  
Certificate Number  
03 - 1569

Date Issued: May 22, 2003

<u>Trademark/Model Designation</u>	<u>Replacement Elements</u>	<u>Capacity</u>
Multi-Pure MP8808B	CB11As	600 gal
Multi-Pure MP8808C	CB11As	600 gal
Multi-Pure MP8808I	CB11As	600 gal
Multi-Pure MP8808L	CB11As	960 gal

Manufacturer: Multi-Pure Drinking Water Systems

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 16630 of the Health and Safety Code for the following health related contaminants:

Microbiological Contaminants and Turbidity

Cysts  
Turbidity

Inorganic/Radiological Contaminants

Arsenic V (50 ppb)  
Asbestos  
Lead  
Mercury

Organic Contaminants

Chloroform  
MTBE  
PCB  
Toxaphene  
VOCs  
Atrachlor  
Bromodichloromethane<sup>1</sup>  
Carbon Tetrachloride  
2,4-D  
o-Dichlorobenzene  
1,2-Dichloroethane  
cis-1,2-Dichloroethylene  
Dinoseb  
Ethylbenzene  
Hexachlorocyclopentadiene  
Methoxychlor  
Styrene  
1,1,2,2-Tetrachloroethane  
1,1,1-Trichloroethane  
m-Xylene

Atrazine  
Bromoform<sup>1</sup>  
Chlorobenzene  
DBCP  
p-Dichlorobenzene  
trans-1,2-Dichloroethylene  
1,2-Dichloropropane  
EDB  
Heptachlor  
Hexachlorobutadiene  
Pentachlorophenol  
2,4,5-TP (Silvex)  
Toluene  
1,1,2-Trichloroethane  
o-Xylene

Benzene  
Carbofuran  
Chloroform<sup>1</sup>  
Dibromodichloromethane<sup>1</sup>  
1,1-Dichloroethane  
1,1-Dichloroethylene  
cis-1,3-Dichloropropylene  
Enchin  
Heptachlor Epoxide  
Lindane  
Simazine  
Tetrachloroethylene  
1,2,4-Trichlorobenzene  
Trichloroethylene  
p-Xylene

<sup>1</sup>Trihalomethanes

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 waters that may contain filterable cysts.