



Performance Data Sheet

Multi-Pure Drinking Water Systems have been tested and certified under ANSI/NSF 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 ANSI/NSF 53, Health Effects.



Model Nos. Plus As-SB, Plus As-SC, Plus As-SI, Plus As-PB, Plus As-PI, Plus As-SB-PID, Plus As-SC-PID, Plus As-PB-PID

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%	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 (see 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%	0.3	0.015
Cryptosporidium (Cyst)	>99.99%	min. 50,000/ml	99.95%
Cyst (Giardia, Cryptosporidium, Entamoeba, Toxoplasma)	>99.99%	min. 50,000/ml	99.95%
2,4-D*	98%	0.11	0.00017
DCP (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%	0.3	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 (Ethylene Dibromide)*	>99%	0.044	0.00002
Endrin*	99%	0.053	0.00059
Entamoeba (Cyst)	>99.99%	min. 50,000/ml	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 (Carbofuran)*	>99%	0.19	0.001
Giardia Lamblia (Cyst; Protozoan)	>99.99%	min. 50,000/ml	99.95%
Haloacetonitriles (HAN):*			
Bromochloroacetonitrile	98%	0.0022	0.0005
Dibromoacetonitrile	98%	0.024	0.0006
Dichloroacetonitrile	98%	0.0096	0.0002
Trichloroacetonitrile	98%	0.0015	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%	0.06	0.000002
Lead (pH 6.5)	>99.99%	0.15=/-10%	0.01
Lead (pH 8.5)	>99.99%	0.15=/-10%	0.01
Lindane*	>99%	0.055	0.00001
Mercury (pH 6.5)	>99.99%	0.006=/-10%	0.002
Mercury (pH 8.5)	>99.99%	0.006=/-10%	0.002
Methoxychlor*	>99%	0.05	0.0001
Methylbenzene (Toluene)*	>99%	0.078	0.001
Monochlorobenzene (Chorobenzene)*	>99%	0.077	0.001
Methyl-Tert-Butyl Ether (MTBE)	>96.6%	0.15=/-10%	0.005
Polychlorinated Biphenyls (PCBs)	>97%	0.01=/-10%	0.0005
PCE (Tetrachloroethylene)*	>99%	0.018	0.001
Pentachlorophenol*	>98.9%	0.096	0.001
Perchlorobutadiene (Hexachlorobutadiene)*	>98%	0.044	0.001
Propylene Dichloride (1,2-Dichloropropane)*	>99%	0.08	0.001
Simazine*	>97%	0.12	0.004
Silvex (2,4,5-TP)*	99%	0.27	0.0016
Styrene (Vinylbenzene)*	>99%	0.15	0.0005
1,1,1-TCA (1,1,1-Trichloroethane)*	95%	0.084	0.0046
TCE (see Trichloroethylene)*	>99%	0.18	0.001
1,1,2,2-Tetrachloroethane*	>99%	0.018	0.001
Tetrachloroethylene (PCE)*	>99%	0.018	0.001
Toluene (Methylbenzene)*	>99%	0.078	0.001
Toxaphene	>92.9%	0.15=/-10%	0.003
Toxoplasma (Cyst)	>99.99%	min 50,000/ml	99.95%
2,4,5-TP (Silvex)*	99%	0.27	0.0016
Tribromoacetic Acid*	>98%	0.042	0.001
1,2,4-Trichlorobenzene (Unsym-Trichlorobenzene)*	>99%	0.160.16	0.0005
1,1,1-Trichloroethane*	95%	0.084	0.0046
1,1,2-Trichloroethane*	>99%	0.15	0.0005
Trichloroethylene (TCE)*	>99%	0.18	0.001
Trihalomethanes (THM): Chloroform; Bromoform; Bromodichloromethane; Chlorodibromomethane*	>99.8%	0.3	0.015
Turbidity	>99%	11=/-NTU	.05NTU
Unsym-Trichlorobenzene (1,2,4-Trichlorobenzene)*	>99%	0.16	0.0005
Vinylbenzene (Styrene)*	>99%	0.15	0.0005
Xylenes (Total)*	>99%	0.07	0.015

The systems have been tested according to ANSI/NSF 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 to the permissible limit for water leaving the system.

AESTHETIC EFFECTS

Substance	Percent Reduction**	Influent Challenge Concentration	Maximum Permissible Product Water Concentration
Chloramine (as Monochloramine) as Aesthetic Effect	>98.3%	3.0 mg/L =/-10%	0.001
Chlorine	99%	2.0 mg/L =/-10%	>or = 75%
Particulate, Class 1 Particles 0.5 to <1 um	Class 1->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:

- Multi-Pure Drinking Water Systems have been certified, as indicated, by NSF International for compliance to ANSI/NSF Standard Nos. 42 & 53.
- 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.
- 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.
- The systems have been tested for the treatment of water containing pentavalent arsenic. Please see Arsenic Fact section on next page.
- 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.
- 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.
- Model Nos. Plus As-SB-PID, Plus As-PB-PID include a capacity monitor that automatically flashes a yellow light when it is time to replace your filter. Model No. Plus As-SC-PID includes a performance monitor that shows how much filter life (in gallons) is left and automatically shows you when to replace it.
- 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.
- Please see the Owner's Manual for installation instructions and operating procedures.
- 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.
- Check for compliance with state and local laws and regulations.
- While testing was performed under standard laboratory conditions, actual performance may vary.
- The list of substances which the treatment device reduces does not necessarily mean that these substances are present in your tap water.



Plus As-SB, Plus As-SB-PID, Plus As-SI



Plus As-PB, Plus As-PI, or Plus As-PB-PID



Plus As-SC or Plus As-SC-PID

Operational Specifications	Plus As-S Series	Plus As-P Series	Plus As-S-PID	Plus As-P-PID
Approximate Service Capacity (6)	600 Gallons	600 Gallons	960 Gallons	960 Gallons
Replacement Filter Model No.	MPPTAs	MPPNAs	MPPTAs	MPPNAs
Approximate flow rate @60psi	1.0 gpm	1.0 gpm	1.0 gpm	1.0 gpm
Maximum Water Pressure	100 psi/7.03 kg/cm ²	100 psi/7.03 kg/cm ²	100 psi/7.03 kg/cm ²	100 psi/7.03 kg/cm ²
Minimum Water Pressure	30 psi/2.1 kg/cm ²	30 psi/2.1 kg/cm ²	30 psi/2.1 kg/cm ²	30 psi/2.1 kg/cm ²
Maximum Operating Temperature	100°F/38°C for cold water use only	100°F/38°C for cold water use only	100°F/38°C for cold water use only	100°F/38°C for cold water use only
Minimum Operating Temperature	32°F/0°C	32°F/0°C	32°F/0°C	32°F/0°C