

Performance Data Sheet



System Tested and Certified by NSF International against NSF/ANSI Standard 42 for the reduction of Particulates - Class 1, Chlorine Taste and Odor reduction, and Standard 53 for the reduction of Turbidity, Cyst, Lead and VOC.

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Models: K6842A, K6843B
Replacement Cartridge: KSA1254, Replacement part pricing available upon request: 262-626-8554.

Installation: The element is to be changed every 1,000 gallons (3,785 liters) or every year, whichever comes first, dependent on conditions of use.

Operating Temperature: 35.6° F (2° C) to 100.4° F (38° C)
Operating Pressure: 172.37 kPa (25psig) to 861.8 kPa (125psig)
Rated Service Flow Rate: 0.70 gallons/minute (2.65 liters/minute) at 60 psig (8.70 kPa)

Reduction Capabilities: The contaminants effectively reduced by this system may not necessarily be found in your drinking water supply.

General Operation and Maintenance Requirements: Designed for use with cold water applications, this system cartridge should be replaced every 1,000 gallons (3,785 liters) or every year, whichever comes first, dependent on conditions of use. The filter cartridges must be protected from freezing, as failure to do so may result in cracking of the filter cartridge and water leakage. See Instruction Manual for complete user responsibility, parts and service availability along with other operational and maintenance requirements.

Manufacturer's Limited Warranty: See Instruction Manual for specific warranty information.

This system has been tested according to NSF/ANSI 42/53 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 42/53. Testing was performed under standard lab conditions. Actual performance may vary.

Performance Test Data as tested by NSF International:

NSF/ANSI Standard 42 - Aesthetic Effects

Substance	Average Influent Concentration	Average Effluent Concentration	Maximum Effluent Concentration	Influent Challenge Concentration	Percent Reduction	Reduction Requirement
Particulates - Class 1 (0.5 to < 1 um)	9,300,000 mL	98,500/mL	200,000/mL	>10,000 particles/mL	>99.0	>85%
Chlorine	2.00 mg/L	<0.05 mg/L	<0.05 mg/L	2.0 mg/L ± 10%	>97.5	>=50%

NSF/ANSI Standard 53 - Health Effects

Substance	Average Influent Concentration	Average Effluent Concentration	Maximum Effluent Concentration	Influent Challenge Concentration	Percent Reduction	Maximum Permissible Product Water Concentration, mg/L
Turbidity	10.8 NTU	0.11 NTU	0.2 NTU	11 mg/L ± 1 NTU	98.9	0.5 NTU
Lead at pH = 6.5	0.15 mg/L	<0.001 mg/L	<0.001 mg/L	0.15 mg/L ± 10%	>99.3	0.010 mg/L ¹
Lead at pH = 8.5	0.16 mg/L	<0.001 mg/L	<0.001 mg/L	0.15 mg/L ± 10%	99.4	0.010 mg/L ¹
VOC Reduction	0.314 mg/L	0.0006 mg/L	8.3 mg/L	300 ± 30 mg/L	99.5	0.015 mg/L ²
Cyst	115,000/L	1.75 /L	2/L	>50,000/L	>99.9	99.5

Organic Chemicals Included by Surrogate Testing:

Substance	Influent Challenge Concentration mg/L (ppm)	Chemical Reduction Percent	Maximum Product Water Concentration mg/L (ppm)	Substance	Influent Challenge Concentration mg/L (ppm)	Chemical Reduction Percent	Maximum Product Water Concentration mg/L (ppm)
alachlor	0.050	>98	0.001	haloketones (HK)			
atrazine	0.100	>97	0.003	1,1-dichloro-2-propanone	0.0072	99	0.0001
benzene	0.081	>99	0.001	1,1,1-trichloro-2-propanone	0.0082	96	0.0003
carbofuran	0.190	>99	0.001	heptachlor	0.08	>99	0.0001
carbon tetrachloride	0.078	98	0.0018	heptachlor epoxide	0.0107	98	0.0002
chlorobenzene	0.077	>99	0.001	hexachlorobutadiene	0.044	>98	0.001
chloropicrin	0.015	99	0.0002	hexachlorocyclopentadiene	0.060	>99	0.000002
2,4-D	0.110	98	0.0017	lindane	0.055	>99	0.00001
dibromochloropropane (DBCP)	0.052	>99	0.00002	methoxychlor	0.050	>99	0.0001
o-dichlorobenzene	0.080	>99	0.001	pentachlorophenol	0.096	>99	0.001
p-dichlorobenzene	0.040	>98	0.001	simazine	0.120	>97	0.004
1,2-dichloroethane	0.088	95 ⁴	0.0048	styrene	0.150	>99	0.0005
1,1-dichloroethylene	0.083	>99	0.001	1,1,2,2-tetrachloroethane	0.081	>99	0.001
cis-1,2-dichloroethylene	0.170	>99	0.0005	tetrachloroethylene	0.081	>99	0.001
trans-1,2-dichloroethylene	0.086	>99	0.001	toluene	0.078	>99	0.001
1,2-dichloropropane	0.080	>99	0.001	2,4,5-TP (silvex)	0.270	99	0.0016
cis-1,3-dichloropropylene	0.079	>99	0.001	tribromoacetic acid	0.042	>98	0.001
dinoseb	0.170	99	0.0002	1,2,4-trichlorobenzene	0.160	>99	0.0005
endrin	0.053	99	0.00059	1,1,1-trichloroethane	0.084	95	0.0046
ethylbenzene	0.088	>99	0.001	1,1,2-trichloroethane	0.150	>99	0.0005
ethylene dibromide (EDB)	0.044	>99	0.00002	trichloroethylene	0.180	>99	0.0010
haloacetonitriles (HAN):				trihalomethanes (includes):			
bromochloroacetonitrile	0.022	98	0.0005	chloroform (surrogate chemical)	0.300	95	0.015
dibromoacetonitrile	0.024	98	0.0006	bromoform			
dichloroacetonitrile	0.0096	98	0.0002	bromodichloromethane			
trichloroacetonitrile	0.015	98	0.0003	chlorodibromomethane			
				xylene (total)	0.070	>99	0.001

This product has been approved by Massachusetts Plumbing Board Approval, Code P1-0797-26

¹USEPA Action Level. ²Chloroform used as an Organic Surrogate. Source: NSF/ANSI Standard 53, 2001 - Drinking Water Treatment Units - Health Effects, Rationale for Volatile Organic Reduction Claims, Section 6.4, Tables 5 and 10. ³Maximum product water level was not observed but was set at the detection limit of analysis. ⁴Maximum product water level is set at a value determined in surrogate qualification testing.

Manufacturer: Regal Ware, Inc., 1675 Reigle Drive, Kewaskum, Wisconsin 53040, USA, (262)626-2121