

Sub-Zero Microbiological Water Filter

REPLACEMENT CARTRIDGE (7005017)

IMPORTANT NOTICE: Read this Performance Data Sheet carefully and compare the capabilities of this unit with your actual water treatment needs. It is recommended that, before purchasing a water treatment unit, you have your water supply tested to determine your actual water treatment needs.



Tested and certified by NSF International against NSF/ANSI Standard 42 for the reduction of Chlorine Taste & Odor, Nominal Particulate, Class I; and against NSF/ANSI Standard 53 for the reduction of Asbestos, Lead, Mercury, MTBE, Toxaphene, Turbidity and VOCs.

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.

Substance	NSF Standard	Influent Challenge Concentration	Average Influent Concentration	Product Water Concentration Average	Product Water Concentration Max. Effluent	% Reduction Average	% Reduction Minimum	Max. Permissible Product Water Concentration
Chlorine, Taste & Odor	42	2.0 mg/L ± 10%	2.03 mg/L	0.05 mg/L	0.05 mg/L	>97.5%	>97.5%	≥ 50%
Particulate, Class I (0.5 to <1 micron)	42	At least 10,000 particles/ml	20,000,000/ml	1,613/ml	2,900/ml	>99.9%	>99.9%	≥ 85%
Asbestos	53	10 ⁷ to 10 ⁸ fibers/L†	83 MF/L	<0.17 MF/L	<0.17 MF/L	>99%	>99%	99%
Lead at pH 6.5	53	0.15 mg/L ± 10%	0.148 mg/L	0.001 mg/L	0.001 mg/L	99.3%	99.3%	0.010 mg/L
Lead at pH 8.5	53	0.15 mg/L ± 10%	0.148 mg/L	0.001 mg/L	0.001 mg/L	99.3%	99.3%	0.010 mg/L
Mercury at pH 6.5	53	0.006 mg/L ± 10%	0.006 mg/L	<0.0002 mg/L	<0.0002 mg/L	96.6%	96.6%	0.002 mg/L
Mercury at pH 8.5	53	0.006 mg/L ± 10%	0.006 mg/L	<0.0002 mg/L	<0.0002 mg/L	96.5%	96.5%	0.002 mg/L
MTBE	53	0.015 mg/L ± 20%	0.014 mg/L	0.0013 mg/L	0.0029 mg/L	90.9%	78.9%	0.005 mg/L
Toxaphene	53	0.015 mg/L ± 10%	0.015 mg/L	<0.001 mg/L	<0.001 mg/L	93.1%	93.1%	0.003 mg/L
Turbidity	53	11 ± 1 NTU	11.8 NTU	0.14 NTU	0.20 NTU	98.8%	98.3%	0.5 NTU
VOC*	53	300 ± 30 µg/L	301 µg/L	1.2 µg/L	8.7 µg/L	99.6%	97.1%	≥ 95%

General test water parameters: pH = 7.5±0.5; Temp = 68±5 °F (20±3 °C); Pressure = 60 psi (4.1 bar) @ 0.5 gpm (1.9 Lpm)

*Refer to table on following page for organic chemicals included by VOC surrogate testing; † Fibers greater than 10 µm in length

OPERATING SPECIFICATIONS

Capacity: 235 gallons (890 L); up to twelve months
 Water Supply: Cold water only
 Pressure Requirement: 30 – 100 psi (2.1 – 6.9 bar)
 Temperature: 33 – 100°F (0.6 – 38°C)
 Flow Rate: 0.5 gpm (1.9 Lpm)

Cyst, virus and bacteria reduction tested by BioVir Labs and approved by the California Department of Public Health, per the certificate following this data sheet.

Substance	Log Reduction	% Reduction
Cyst	3.5	99.95%
Virus	4	99.99%
Bacteria	6	99.9999%

SYSTEM OPERATION AND REPLACEMENT FILTER INFORMATION

Use replacement water filter cartridge part number 7005017, which can be ordered by calling 800-222-7820 or online at subzerowolfstore.com or subzero.com. Replacement filter pricing information can be found at subzerowolfstore.com or subzero.com.

Replace water filter cartridge when the filter life indicator is displayed, or if the ice cubes become hollow or small, or when the water flow has slowed significantly.

Change filter cartridge at least every twelve months. High sediment areas may require more frequent filter cartridge replacement.

This filter system must be installed, operated, maintained and filters replaced as required in order for the product to perform as advertised. Complete installation and operation instructions, parts and service availability, and standard warranty are included with the product when shipped.

SPECIAL NOTES

Do not use for the treatment of water that is visually contaminated (cloudy) or has an obvious contamination source, such as contamination by raw sewage. State of Wisconsin Required Statement: Do not use in Wisconsin with water that is microbiologically unsafe, or of unknown quality, without adequate point-of-entry (i.e. whole house) disinfection before this device.

Note that while the testing was performed under standard laboratory conditions, actual performance of this water filter system may vary based on local water conditions. In addition, the contaminants or other substances removed or reduced by this water filter are not necessarily in all users' water.

This filter contains silver as a preservative.

This filter system is protected by U.S. Patent Nos. 6,630,016; 6,660,172; 6,770,204; 6,835,311; 6,866,704; applicable foreign patents; and patents pending.

U.S. EPA Est. No. 69625-CT-001

DISCLAIMER: The performance claims of this product are rated for service only up to the gallon capacity limit designated on the Manufacturer's Performance Data Sheet. No expectation for performance shall survive such limit, and use of this product should be discontinued after such limit is reached. Use of this product constitutes Buyer's understanding and acceptance of this Disclaimer.

Manufactured for: Sub-Zero, Inc. PO Box 44848 Madison, WI 53744-4130 800-222-7820

Sub-Zero Microbiological Water Filter

ORGANIC CHEMICALS INCLUDED BY VOC SURROGATE TESTING

Substance	Influent Challenge Concentration (mg/L)	Chemical Reduction Percent	Max. Permissible Product Water Concentration (mg/L)
alachlor	0.050	>98	0.001
atrazine	0.100	>97	0.003
benzene	0.081	>99	0.001
carbofuran	0.190	>99	0.001
carbon tetrachloride	0.078	98	0.0018
chlorobenzene	0.077	>99	0.001
chloropicrin	0.015	99	0.0002
2,4-D	0.110	98	0.0017
dibromochloropropane (DBCP)	0.052	>99	0.00002
o-dichlorobenzene	0.080	>99	0.001
p-dichlorobenzene	0.040	>98	0.001
1,2-dichloroethane	0.088	95	0.0048
1,1-dichloroethylene	0.083	>99	0.001
cis-1,2-dichloroethylene	0.170	>99	0.0005
trans-1,2-dichloroethylene	0.086	>99	0.001
1,2-dichloropropane	0.080	>99	0.001
cis-1,3-dichloropropylene	0.079	>99	0.001
dinoseb	0.170	99	0.0002
endrin	0.053	99	0.00059
ethylbenzene	0.088	>99	0.001
ethylene dibromide (EDB)	0.044	>99	0.00002
haloacetonitriles (HAN):			
bromochloroacetonitrile	0.022	98	0.0005
dibromoacetonitrile	0.024	98	0.0006
dichloroacetonitrile	0.0096	98	0.0002
trichloroacetonitrile	0.015	98	0.0003
haloketones (HK):			
1,1-dichloro-2-propanone	0.0072	99	0.0001
1,1,1-trichloro-2-propanone	0.0082	96	0.0003
heptachlor (H-34, Heptox)	0.080	>99	0.0004
heptachlor epoxide	0.0107	98	0.0002
hexachlorobutadiene	0.044	>98	0.001
hexachlorocyclopentadiene	0.060	>99	0.000002
lindane	0.055	>99	0.00001
methoxychlor	0.050	>99	0.0001
pentachlorophenol	0.096	>99	0.001
simazine	0.120	>97	0.004
styrene	0.150	>99	0.0005
1,1,2,2-tetrachloroethane	0.081	>99	0.001
tetrachloroethylene	0.081	>99	0.001
toluene	0.078	>99	0.001
2,4,5-TP (silvex)	0.270	99	0.0016
tribromoacetic acid	0.042	>98	0.001
1,2,4-trichlorobenzene	0.160	>99	0.0005
1,1,1-trichloroethane	0.084	95	0.0046
1,1,2-trichloroethane	0.150	>99	0.0005
trichloroethylene	0.180	>99	0.001
trihalomethanes (includes):			
chloroform (surrogate chemical)			
bromoform	0.300	95	0.015
bromodichloromethane			
chlorodibromomethane			
xylenes (total)	0.070	>99	0.001

State of California
Department of Public Health
Water Treatment Device
Certificate Number
08 - 1890

Date Issued: January 2, 2008

Trademark/Model Designation

Sub-Zero Microbiological Water Filter

Replacement Element(s)

7005017

Manufacturer: Sub-Zero Freezer Company Inc.

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

Bacteria
Cysts
Turbidity
Virus

Inorganic/Radiological Contaminants

Asbestos
Lead
Mercury

Organic Contaminants

MTBE
Toxaphene
VOCs

Alachlor
Atrazine
Benzene
Carbofuran
Carbon Tetrachloride
Chlorobenzene
Chloropicrin
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-Dichloropropylene
Dinoseb

Endrin
Ethylbenzene
EDB
Haloacetonitriles (HAN)
Bromochloroacetonitrile
Dibromoacetonitrile
Dichloroacetonitrile
Trichloroacetonitrile
Haloketones (HK)
1,1-Dichloro-2-Propanone
1,1,1-Trichloro-2-Propanone
Heptachlor
Heptachlor Epoxide
Hexachlorobutadiene
Hexachlorocyclopentadiene
Lindane
Methoxychlor
Pentachlorophenol

Simazine
Styrene
1,1,2,2-Tetrachloroethane
Tetrachloroethylene
Toluene
2,4,5-TP (Silvex)
Tribromoacetic Acid
1,2,4-Trichlorobenzene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethylene
Trihalomethanes (THMs)
Bromodichloromethane
Bromoform
Chloroform
Chlorodibromomethane
Xylenes

Rated Service Capacity: 235 gals

Rated Service Flow: 0.5 gpm

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