Performance Data Sheet for InSinkErator Filter System Model: HWT300-F3000S
Replacement Cartridge: F-3000

HWT300-F3000S is certified by IAPMO R&T against NSF/ANSI standard 42, 53, 401 and CSA B483.1 for the reduction of claims specified on the performance data sheet. HWT300-F3000S is also certified against NSF/ANSI 58 for material safety requirement and NSF/ANSI 372 for lead free requirement.

Note that while testing was performed under standard laboratory conditions, actual performance may vary.

This system has been tested according to NSF/ANSI 42, 53 and 401 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 and 401.

Standard	Substance	Average Influent Concentration	Influent Challenge Concentration	Average Percent Reduction / Water Concentration	Percent Reduction Requirement/ Maximum Permissible Product Water Concentration
NSF/ANSI 42					
NSF/ANSI 42	Particulate Class I	4800000/mL	Minimum 10,000/mL (particle size range 0.5 to <1 μm)	99.8%	≥ 85%
NSF/ANSI 42	Chlorine, Taste and Odor	1.95 mg/L	2.0 mg/L ± 10%	95.3%	≥ 50%
NSF/ANSI 53					
NSF/ANSI 53	Asbestos	21072500 fibers/L	10^7 to 10^8 fibers/L; fibers greater than 10 μm in length	99.99%	≥ 99%
NSF/ANSI 53	Atrazine	0.0084 mg/L	0.009 mg/L ± 10%	0.001 mg/L	0.003 mg/L
NSF/ANSI 53	Cysts*	150000/L	Minimum 50,000/L	99.99%	≥ 99.95%
NSF/ANSI 53	Lead @ ph 6.5	0.15 mg/L	0.15 mg/L ± 10%	0.001 mg/L	0.005 mg/L
NSF/ANSI 53	Lead @ ph 8.5	0.16 mg/L	0.15 mg/L ± 10%	0.002 mg/L	0.005 mg/L
NSF/ANSI 53	Lindane	0.002 mg/L	0.002 mg/L ± 10%	0.0001 mg/L	0.0002 mg/L
NSF/ANSI 53	Mercury @ ph 6.5	0.006 mg/L	0.006 mg/L ± 10%	0.0010 mg/L	0.002 mg/L
NSF/ANSI 53	Mercury @ ph 8.5	0.006 mg/L	0.006 mg/L ± 10%	0.0003 mg/L	0.002 mg/L
NSF/ANSI 53	Perfluorooctanoic acid (PFOA), Perfluorooctane sulfonate (PFOS)	1.59 μg/L	1.50 μg/L ± 10%	0.067 μg/L	0.00007 mg/L
NSF/ANSI 53	Turbidity	11 NTU	11 ± 1 NTU	0.2 NTU	0.5 NTU
NSF/ANSI 53	VOC**	299 μg/L	300 μg/L ± 10%	99.93%	≥ 95%
NSF/ANSI 53	2,4-D	0.200 mg/L	0.210 mg/L ± 10%	0.02 mg/L	0.07 mg/L
NSF/ANSI 401					
NSF/ANSI 401	Atenolol	206 ng/L	200 ng/L ± 20%	1.0 ng/L	30 ng/L
NSF/ANSI 401	Bisphenol A	2031 ng/L	2,000 ng/L ± 20%	10.2 ng/L	300 ng/L
NSF/ANSI 401	Carbamazepine	1424 ng/L	1,400 ng/L ± 20%	10.0 ng/L	200 ng/L
NSF/ANSI 401	DEET (diethyltoluamide)	1497 ng/L	1,400 ng/L ± 20%	11.8 ng/L	200 ng/L
NSF/ANSI 401	Estrone	152 ng/L	140 ng/L ± 20%	2.0 ng/L	20 ng/L
NSF/ANSI 401	Ibuprofen	405 ng/L	400 ng/L ± 20%	10.4 ng/L	60 ng/L
NSF/ANSI 401	Linuron	143 ng/L	140 ng/L ± 20%	1.1 ng/L	20 ng/L
NSF/ANSI 401	Meprobamate	375 ng/L	400 ng/L ± 20%	1.4 ng/L	60 ng/L
NSF/ANSI 401	Metolachlor	1618 ng/L	1,400 ng/L ± 20%	35.9 ng/L	200 ng/L
NSF/ANSI 401	Naproxen	150 ng/L	140 ng/L ± 20%	1.3 ng/L	20 ng/L
NSF/ANSI 401	Nonylphenol	1488 ng/L	1,400 ng/L ± 20%	10.0 ng/L	200 ng/L
NSF/ANSI 401	Phenytoin	200 ng/L	200 ng/L ± 20%	1.0 ng/L	30 ng/L
NSF/ANSI 401	TCEP (tris(2-chloroethyl) phosphate)	4954 ng/L	5,000 ng/L ± 20%	10 ng/L	700 ng/L
NSF/ANSI 401	TCPP (tris(1-chloro-2-propyl) phosphate)	4789 ng/L	5,000 ng/L ± 20%	344 ng/L	700 ng/L
NSF/ANSI 401	Trimethoprim	153 ng/L	140 ng/L ± 20%	1.5 ng/L	20 ng/L

** Based on the use of Cryptosporidium parvum oocysts.*

*** VOC Chloroform surrogate testing was performed and is applicable to chemical reduction claims for the group of organic chemicals found in the table below.*

ORGANIC CHEMICALS INCLUDED BY SURROGATE TESTING

Chemical	Influent Challenge Concentration[1] (mg/L)	Chemical Reduction Percent	Maximum Product Water Concentration (mg/L)
Alachlor	0.050	> 98%	0.001[2]
Benzene	0.081	> 99%	0.001[2]
Carbofuran	0.190	> 99%	0.001[2]
Carbon tetrachloride	0.078	98%	0.0018[3]
Chlorobenzene	0.077	> 99%	0.001[2]
Chloropicrin	0.015	99%	0.0002[2]
Dibromochloropropane (DBCP)	0.052	> 99%	0.00002[2]
o-dichlorobenzene	0.080	> 99%	0.001[2]
p-dichlorobenzene	0.040	> 98%	0.001[2]
1,2-dichloroethane	0.088	95%4	0.0048[4]
1,1-dichloroethylene	0.083	> 99%	0.001[2]
cis-1,2-dichloroethylene	0.170	> 99%	0.0005[2]
trans-1,2-dichloroethylene	0.086	> 99%	0.001[2]
1,2-dichloropropane	0.080	> 99%	0.001[2]
cis-1,3-dichloropropylene	0.079	> 99%	0.001[2]
Dinoseb	0.170	99%	0.0002[3]
Endrin	0.053	99%	0.00059[3]
Ethylbenzene	0.088	> 99%	0.001[2]
Ethylene dibromide (EDB)	0.044	> 99%	0.00002[2]
Haloacetonitriles (HAN) Bromochloroacetonitrile Dibromoacetonitrile Dichloroacetonitrile Trichloroacetonitrile	0.022 0.024 0.0096 0.015	98% 98% 98% 98%	0.0005[2] 0.0006[2] 0.0002[2] 0.0003[2]
Haloketones (HK) 1,1-dichloro-2-propanone 1,1,1-trichloro-2-propanone	0.0072 0.0082	99% 96%	0.0001[2] 0.0003[2]
Heptachlor (H-34, Heptox)	0.025	> 99%	0.00001
Heptachlor epoxide	0.0107[5]	98%	0.0002[5]
Hexachlorobutadiene	0.044	> 98%	0.001[2]
Hexachlorocyclopentadiene	0.060	> 99%	0.000002[2]
Methoxychlor	0.050	> 99%	0.0001[2]
Pentachlorophenol	0.096	> 99%	0.001[2]
Simazine	0.120	> 97%	0.004[2]
Styrene	0.150	> 99%	0.0005[2]
1,1,2,2-tetrachloroethane	0.081	> 99%	0.001[2]
Tetrachloroethylene	0.081	> 99%	0.001[2]
Toluene	0.078	> 99%	0.001[2]
2,4,5-TP (silvex)	0.270	99%	0.0016[3]
Tribromoacetic acid	0.042	> 98%	0.001[2]
1,2,4-trichlorobenzene	0.160	> 99%	0.0005[2]
1,1,1-trichloroethane	0.084	95%	0.0046[3]
1,1,2-trichloroethane	0.150	> 99%	0.0005[2]
Trichloroethylene	0.180	> 99%	0.0010[2]
Trihalomethanes (includes): Chloroform (surrogate chemical) Bromoform Bromodichloromethane Chlorodibromomethane	0.300	95%	0.015
Xylenes (total)	0.070	> 99%	0.001[2]

[1] Influent challenge levels are average influent concentrations determined in surrogate qualification testing.
[2] Maximum product water level was not observed but was set at the detection limit of the analysis.
[3] Maximum product water level is set at a value determined in surrogate qualification testing.
[4] Chemical reduction percent and maximum product water level calculated at chloroform 95% breakthrough point as determined in surrogate qualification testing.
[5] The surrogate test results for heptachlor epoxide demonstrated a 98% reduction. These data were used to calculate an upper occurrence concentration that would produce a maximum product water level at the MCL.

Not all water will contain contaminants listed. Testing performed under standard laboratory conditions; actual performance may vary. System is only to be used with cold water. System usage must comply with all state and local laws. 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 waters that may contain filterable cysts.

OPERATING PARAMETERS

System Model #	Replacement Component #	Filtration Function	Working Pressure	Operating Temperature	Flow rate	Capacity
HWT300-F3000S	F-3000	Chemical/ Mechanical	30 – 80 psi (207 –552 kPa)	33 - 100 °F (0.6 – 38°C)	0.75 gpm (2.84 lpm)	500 gallons (1893 L)

INSTALLATION/OPERATION AND MAINTENANCE REQUIREMENTS/WARRANTY OVERVIEW

Refer to Owner's Manual and Installation instructions for installation, operation, maintenance, and warranty information.

1250 International Drive
Mount Pleasant, WI 53177
1.800.558.5700
www.insinkerator.com

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