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MODEL: 13155

PiMag™ Deluxe Countertop Water System Performance Data Sheet

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PIMAG DELUXE COUNTERTOP WATER SYSTEM — This system has been tested according to NSF/ANSI Standard 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 53.

NSF/ANSI Standard 53 (health effects)

CHEMICAL	DRINKING WATER REGULATORY LEVEL[1] (MCL/MAC) MG/L	INFLUENT CHALLENGE CONCENTRATION[2] MG/L	CHEMICAL REDUCTION PERCENT	MAXIMUM PRODUCT WATER CONCENTRATION MG/L
alachlor	0.002	0.050	→ 98	0.001[3]
atrazine	0.003	0.100	→ 97	0.003[3]
benzene	0.005	0.081	→ 99	0.001[3]
carbofuran	0.04	0.190	→ 99	0.001[3]
carbon tetrachloride	0.005	0.078	98	0.0018[4]
chlorobenzene	0.1	0.077	→ 99	0.001[3]
chloropicrin	—	0.015	99	0.0002[3]
2,4-D	0.07	0.110	98	0.0017[4]
dibromochloropropane (DBCP)	0.0002	0.052	→ 99	0.00002[3]
o-dichlorobenzene	0.6	0.080	→ 99	0.001[3]
p-dichlorobenzene	0.075	0.040	→ 98	0.001[3]
1,2-dichloroethane	0.005	0.088	95[5]	0.0048[5]
1,1-dichloroethylene	0.007	0.083	→ 99	0.001[3]
cis-1,2-dichloroethylene	0.07	0.170	→ 99	0.0005[3]
trans-1,2-dichloroethylene	0.1	0.086	→ 99	0.001[3]
1,2-dichloropropane	0.005	0.080	→ 99	0.001[3]
cis-1,3-dichloropropylene	—	0.079	→ 99	0.001[3]
dinoseb	0.007	0.170	99	0.0002[4]
endrin	0.002	0.053	99	0.00059[4]
ethylbenzene	0.7	0.088	→ 99	0.001[3]
ethylene dibromide (EDB)	0.00005	0.044	→ 99	0.00002[3]
haloacetonitriles (HAN)				
bromochloroacetonitrile	—	0.022	98	0.0005[3]
dibromoacetonitrile	—	0.024	98	0.0006[3]
dichloroacetonitrile	—	0.0096	98	0.0002[3]
trichloroacetonitrile	—	0.015	98	0.0003[3]
haloketones (HK):				
1,1-dichloro-2-propanone	—	0.0072	99	0.0001[3]
1,1,1-trichloro-2-propanone	—	0.0082	96	0.0003[3]
heptachlor (H-34, Heptox)	0.0004	0.08	→ 99	0.0004
heptachlor epoxide	0.0002	0.0107[4]	98	0.0002[4]
hexachlorobutadiene	—	0.044	→ 98	0.001[3]
hexachlorocyclopentadiene	0.05	0.060	→ 99	0.000002[3]
lindane	0.0002	0.055	→ 99	0.00001[3]
methoxychlor	0.04	0.050	→ 99	0.0001[3]
pentachlorophenol	0.001	0.096	→ 99	0.001[3]
simazine	0.004	0.120	→ 97	0.004[3]
styrene	0.1	0.150	→ 99	0.0005[3]
1,1,2,2-tetrachloroethane	—	0.081	→ 99	0.001[3]
tetrachloroethylene	0.005	0.081	→ 99	0.001[3]
toluene	1	0.078	→ 99	0.001[3]
2,4,5-TP (silvex)	0.05	0.270	99	0.0016[4]
tribromoacetic acid	—	0.042	→ 98	0.0013
1,2,4-trichlorobenzene	0.07	0.160	→ 99	0.00053
1,1,1-trichloroethane	0.2	0.084	95	0.00464
1,1,2-trichloroethane	0.005	0.150	→ 99	0.00053
richloroethylene	0.005	0.180	→ 99	0.00103
trihalomethanes (includes):				
chloroform (surrogate chemical)	0.080	0.300	95	0.015
bromoform				
bromodichloromethane				
chlorodibromomethane				
xylenes (total)	10	0.070	→ 99	0.0013

SUBSTANCE	INFLUENT CHALLENGE CONCENTRATION	REDUCTION REQUIREMENT	ACTUAL % REDUCTION	MININUM % REDUCTION OBSERVED DURING TESTING
cyst	minimum 50,000/L	99.95%	→ 99.99%	99.97%

SUBSTANCE	INFLUENT CHALLENGE CONCENTRATION MG/L	MAXIMUM PERMISSIBLE PRODUCT WATER CONCENTRATION	MINIMUM ALLOWABLE % REDUCTION	ACTUAL % REDUCTION	MINIMUM % REDUCTION OBSERVED DURING TESTING
lead (pH 6.5)	0.15 ± 10%	0.01	93%	99.3%	99.3%
lead (pH 8.5)	0.15 ± 10%	0.01	93%	99.3%	98.7%
MTBE (methyl tert-butyl ether)	0.015 ± 20%	0.005	67%	87.55%	80.0%
turbidity	11 ± 1 NTU	0.5 NTU	95%	98.1%	96.4%

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Influent concentrations of contaminants listed as "Primary Volatile Organic Compounds" are concentrations established pursuant to federal laws and/or United States Environmental Protection Agency regulations. Influent concentrations of all other substances/contaminants are concentrations selected by NSF International to provide a reasonable test. Effluent concentrations are maximum levels of contaminants, which may be present after filtration, given corresponding influent concentrations. Unless otherwise stated, concentrations are expressed in parts per billion. While testing was performed under standard laboratory conditions, actual performance may vary.

Percent reduction reflects the allowable claims for reduction of Volatile Organic Compounds (VOCs) based on NSF International Standard No 53 tables and the corresponding influent concentrations, for all systems which have a demonstrated capacity to reduce Chloroform by 95% or better (Chloroform is used as a "surrogate" chemical for all VOC reduction claims). Actual testing of the PiMag Deluxe Countertop Water System conducted by NSF International (tested to 120% of claimed capacity) demonstrated a 99.8% reduction rate for the removal of Chloroform.

NSF/ANSI Standard 42 (aesthetic effects)

This system has been tested according to NSF/ANSI Standard 42 for the 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 Standard 42.

CHLORINE TASTE AND ODOR REDUCTION

SUBSTANCE	INFLUENT CHALLENGE CONCENTRATION	REDUCTION REQUIREMENT	ACTUAL % REDUCTION
Chlorine taste and odor	2.0 mg/L ± 10%	→ 50%	97.4%
Particulate, Class I particles 0.5 to ←1 micron	at least 10,000 particles/mL	→ 85%	92.2%

OPERATING SPECIFICATIONS

MODEL	PiMag Deluxe Countertop Water System — #13155
USAGE	Potable, cold water only
DIMENSIONS	10.8" x 6.3" (27.43 x 16 cm)
RATED SERVICE FLOW	0.75 gal/min (2.84 L/min)
RATED CAPACITY	800 gallons US (3028 liters)
WORKING PRESSURE	Maximum: 125 psig (862 kPa), Minimum: 30psig (207 kPa)
OPERATING TEMPERATURE	Maximum: 100 deg F (37.8 deg C), Minimum: 34 deg F (1 deg C)
CARTRIDGE REPLACEMENT	13152
BATTERY REPLACEMENT (included with cartridge replacement)	CR 2032, 3V lithium

GENERAL OPERATION AND MAINTENANCE GUIDELINES

Following the operational, maintenance and cartridge replacement requirements described in the instruction manual are essential for this system to perform as claimed. When water is run through the system the filter life indicator lets you know the life of the cartridge. The green light flashes as long as the cartridge still operates within its rated capacity. The yellow light flashes as the cartridge is nearing the end of, but still within, its rated capacity. This is a good time to order a replacement cartridge. The red light flashing indicates that the cartridge requires replacement.

This system should be disinfected in accordance with the procedure in the instruction manual each time the cartridge is replaced.

For parts and service see instruction manual.

NSF International Certification
Tested and Certified by NSF International against NSF/ANSI Standard 42 for the reduction of Chlorine Taste and Odor, and Particulate Class I, and NSF/ANSI Standard 53 for Cysts, Lead, VOC, Turbidity, and MTBE.

Conforms to NSF/ANSI for VOC reduction. See Performance Data Sheet for individual contaminants and reduction performance.

General Installation Requirements and Guidelines

- The PiMag Deluxe Countertop Water System is certified for cyst reduction and may be used on disinfected water supplies that may contain filterable cysts.
- The PiMag Deluxe Countertop Water System must be installed on a cold water supply in accordance with the detailed directions in the instruction manual.
- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- The contaminants or substances removed or reduced by this water treatment system are not necessarily in all user's water.
- Individuals requiring specific microbiological purity should consult their physician.
- Installation and use of this system must comply with all state and local laws and regulations.

WARRANTY

This product is warranted to be free of manufacturing defects for a period of one year from the date of original purchase. This warranty gives you specific legal rights, some of which may vary from state to state.

For purchases made in Iowa: This form must be signed and dated by the buyer and seller prior to the consummation of the sale. This form must be retained by the seller for a minimum of two years.

BUYER

SIGNATURE

NAME (PRINT OR TYPE)

DATE

ADDRESS

SELLER

SIGNATURE

NAME (PRINT OR TYPE)

DATE

ADDRESS