ENG Performance Data Sheet

The **eSpring**™ Water Purifier is listed with NSF International and the WQA.

The following product information is presented in compliance with NSF International and WQA disclosure requirements.

eSpring Water Purifier No.: 122940, 122941

Replaceable Cartridge No.: 122943

The **eSpring** Water Purifier is comprised of a compressed activated carbon block filter and UV-C LEDs. The filter is composed of two outer non-woven pre-filters, and a layer of immobilized activated carbon.

This Water Purifier is certified as a Class B system in compliance with NSF/ANSI Standard 55 and is equipped with UV-C LEDs that require replacement at intervals in accordance with the manufacturer's instructions. This Class B system conforms to NSF/ANSI 55 for the supplemental bactericidal treatment of disinfected public drinking water or other drinking water that has been tested and deemed acceptable for human consumption by the state or local health agency having jurisdiction. The system is only designed to reduce normally occurring non-pathogenic, nuisance microorganisms. Class B systems are not intended for the treatment of contaminated water. WQA certifies the system when completed as 122940 and 122941.

This Water Purifier 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.

Substance	Influent Challenge Concentration	Reduction Requirements/ Max. Permissible Product Water Concentration	% Reduction
NSF/ANSI Standard 42 Aesthetic Effects			
Particulates-Class I (#/mL at 0.5 to <1 micron)	>10,000	>85%	>95
Chlorine Taste and Odor (mg/L as chlorine)	2 ± 10%	≥50%	>95
Chloramine (mg/L)	3 ± 10%	0.5	>95
NSF/ANSI Standard 53 Health Effects			
Asbestos (fibers/L >10 um)	10^7 - 10^8	>99%	>99
Lead at pH 6.5 (µg/L)	150 ± 10%	5	>95
Lead at pH 8.5 (µg/L)	150 ± 10%	5	>95
Mercury at pH 6.5 (µg/L)	6.0 ± 10%	2.0	>90
Mercury at pH 8.5 (µg/L)	6.0 ± 10%	2.0	>90
Chlordane (µg/L)	40 ± 10%	2.0	>95
Methyl tert-butyl ether (MTBE) (µg/L)	15 ± 10%	5.0	>95
Radon (pCi/L)	4000 ± 25%	300	>94
Toxaphene (µg/L)	15 ± 10%	3.0	>90
Microcystin (mg/L)	0.004 ± 10%	0.0003	>95
Cyst (#/L)	>50,000	>99.95%	>99.95
PFOA/PFOS (ug/L)	1.5 +/- 10%	0.02	>98
1,2,3-Trichloropropane (ug/L)	0.3 +/- 10%	0.005	>98
†VOC's (µg/L as chloroform)	300 ± 10%	95%	>95
NSF/ANSI Standard 401 Emerging Compounds/Incidental Contaminants			
Meprobamate (ng/L)	400 ± 20%	60	>95
Phenytoin (ng/L)	200 ± 20%	30	>95
Atenolol (ng/L)	200 ± 20%	30	>95
Carbamazepine (ng/L)	1,400 ± 20%	200	>95
TCEP (ng/L)	5,000 ± 20%	700	>95
TCPP (ng/L)	5,000 ± 20%	700	>95
DEET (ng/L)	1,400 ± 20%	200	>95
Metolachlor (ng/L)	1,400 ± 20%	200	>95
Trimethoprim (ng/L)	140 ± 20%	20	>95
Ibuprofen (ng/L)	400 ± 20%	60	>95
Naproxen (ng/L)	140 ± 20%	20	>95
Estrone (ng/L)	140 ± 20%	20	>95
Bisphenol A (ng/L)	2,000 ± 20%	300	>95
Linuron (ng/L)	140 ± 20%	20	>95
Nonylphenol (ng/L)	1,400 ± 20%	200	>95
Microplastics (#/mL at 0.5 to <1 micron)	>10,000	>85%	>95

Test Conditions: pH: 7.75, Pressure: 60 psi (415 kPa), Flow Rate: 0.7 gal/min (2.6 L/min).

Chlorine reduction claim is based on testing the reduction of chloramine.

†The following table sets forth allowable claims which can be made for drinking water treatment units that have met the requirements for VOC reduction.

Organic Chemicals Included by Surrogate Testing

Substance	Influent Challenge Level (ppb)	Maximum Effluent Level (ppb)	% Reduction
Alachlor	50	1.0	>98
Atrazine	100	3.0	>97
Benzene	81	1.0	>99
Carbofuran	190	1.0	>99
Carbon tetrachloride	78	1.8	98
Chlorobenzene	77	1.0	>99
Chloropicrin	15	0.2	99
2,4-D	110	1.7	98
Dibromochloropropane (DBCP)	52	0.02	>99
o-Dichlorobenzene	80	1.0	>99
p-Dichlorobenzene	40	1.0	>98
1,2-Dichloroethane	88	4.8	95
1,1-Dichloroethylene	83	1.0	>99
cis-1,2-Dichloroethylene	170	0.5	>99
trans-1,2-Dichloroethylene	86	1.0	>99
1,2-Dichloropropane	80	1.0	>99
cis-1,3-Dichloropropylene	79	1.0	>99
Dinoseb	170	0.2	99
Endrin	53	0.59	99
Ethylbenzene	88	1.0	>99
Ethylene dibromide (EDB)	44	0.02	>99
Haloacetonitriles (HAN):			
bromochloroacetonitrile	22	0.5	98
dibromoacetonitrile	24	0.6	98
dichloroacetonitrile	9.6	0.2	98
trichloroacetonitrile	15	0.3	98
Haloketones (HK):			
1,1-dichloro-2-propanone	7.2	0.1	99
1,1,1-trichloro-2-propanone	8.2	0.3	96
Heptachlor	25	0.01	>99
Heptachlor epoxide	10.7	0.2	98
Hexachlorobutadiene	44	1.0	>98
Hexachlorocyclopentadiene	60	0.002	>99
Lindane	55	0.01	>99
Methoxychlor	50	0.1	>99
Pentachlorophenol	96	1.0	>99
Simazine	120	4.0	>97
Styrene	150	0.5	>99
1,1,2,2-Tetrachloroethane	81	1.0	>99
Tetrachloroethylene	81	1.0	>99
Toluene	78	1.0	>99
2,4,5-TP (Silvex)	270	1.6	99
Tribromoacetic acid	42	1.0	>98
1,2,4-Trichlorobenzene	160	0.5	>99
1,1,1-Trichloroethane	84	4.6	95
1,1,2-Trichloroethane	150	0.5	>99
Trichloroethylene	180	1.0	>99
Trihalomethanes includes: Chloroform (surrogate chemical), Bromoform, Bromodichloromethane, Chlorodibromomethane	300	15	95
Xylenes (total)	70	1.0	>99

In addition, NSF International has verified the water treatment claims for this model for the reduction of specific substances which are not included in NSF/ANSI Standard 53 or Standard 42 or Standard 401 as follows:

Additional Contaminants			
Chemical	**% Reduction**	**Influent Concentration (µg/L)**	**Effluent Concentration (µg/l)**
EPA Priority Pollutants			
Acenaphthene	>99.7	67.9	<DL
Acenaphthylene	>99.7	44.9	<DL
Aldrin	97.4	14.4	0.38
Anthracene	>99.6	0.0106	<DL
Benzidine	>99.6	2.54	<DL
Benzo[a]anthracene	>99.3	0.224	<DL
Benzo[a]pyrene	92.5	0.0605	0.00456
Benzo[b]fluoranthene	98.7	0.316	0.00416
Benzo[g,h,i]perylene	91.0	0.434	0.0390
Benzo[k]fluoranthene	98.1	0.325	0.00611
alpha-BHC	>99.6	80.6	<DL
beta-BHC	>99.6	81.4	<DL
delta-BHC	>99.6	77.8	<DL
gamma-BHC	>99.6	80.9	<DL
Bis(2-Chloroethoxy) methane	>99.3	136	<DL
Bis(2-chloroethyl) ether	>99.0	213	<DL
Bis(2-chloroisopropyl) ether	>98.3	206	<DL
Bis(2-ethyl-hexyl) phthalate	99.0	199	2
4-Bromophenyl phenyl ether	>99.1	225	<DL
Butyl benzyl phthalate	>99.4	226	<DL
4-Chloro-3-methylphenol	>99.1	171	<DL
2-Chloroethyl vinyl ether	>99.9	298	<DL
2-Chlorophenol	>98.1	175	<DL
4-Chlorophenyl phenyl ether	>99.1	197	<DL
Chrysene	>97.8	0.232	<DL
4,4'-DDD	97	59.4	1.7
Di-n-butyl phthalate	>99.6	245	<DL
Di-n-octyl phthalate	>98.8	179	<DL
Dibenzo[a,h]anthracene	93.4	0.524	0.0345
1,3-Dichlorobenzene	>99.8	99.7	<DL
3,3'-Dichlorobenzidine	>99.6	4.89	<DL
2,4-Dichlorophenol	>98.7	161	<DL
trans-1,3-Dichloropropene	>99.9	163	<DL
Dieldrin	99.7	132	0.43
Diethyl phthalate	>99.7	202	<DL
Dimethyl phthalate	>99.8	197	<DL
2,4-Dimethylphenol	>98.7	167	<DL
4,6-Dinitro-2-methyl phenol	>99.3	57.4	<DL
2,4 Dinitrophenol	>99.7	57.6	<DL
2,4-Dinitrotoluene	>94.3	175	<DL
2,6-Dinitrotoluene	>95.1	204	<DL
1,2-Diphenylhydrazine	>99.0	161	<DL
alpha-Endosulfan	97.1	75.6	2.20
beta-Endosulfan	97.5	79.4	1.95
Endosulfan Sulfate	95.4	85.2	3.95
Endrin Aldehyde	>99.0	20.3	<DL
Fluoranthene	>98.2	0.303	<DL
Fluorene	>99.7	7.56	<DL
Hexachlorobenzene	>98.8	84.3	<DL
Hexachloroethane	>96.6	46.6	<DL
Isophorone	>98.4	177	<DL
Naphthalene	>99.7	23.4	<DL
Nitrobenzene	>98.5	156	<DL
2-Nitrophenol	>99.5	150	<DL
4-Nitrophenol	>99.8	57.6	<DL
N-Nitroso-di-n-propylamine	>99.2	157	<DL
N-Nitrosodiphenylamine	>99.1	147	<DL
PCB-1016	>98.8	57.9	<DL
PCB-1221	>99.6	49.7	<DL

Additional Contaminants			
Chemical	**% Reduction**	**Influent Concentration (µg/L)**	**Effluent Concentration (µg/l)**
EPA Priority Pollutants			
PCB-1232	>98.4	30.9	<DL
PCB-1242	>99.2	35.5	<DL
PCB-1248	>99.4	35.6	<DL
PCB-1254	>97.5	40.3	<DL
Phenanthrene	>99.0	0.0752	<DL
Phenol	>98.1	68.7	<DL
Pyrene	>98.1	0.328	<DL
Strychnine	>99.8	47.5	<DL
TCDD 2,3,7,8-Tetrachlorodibenzoparadioxin	>99.9	0.0131	<DL
TCDF 2,3,7,8-Tetrachlorodibenzofuran	>99.9	0.0269	<DL
2,4,6-Trichlorophenol	>98.7	168	<DL
Non-EPA Priority Pollutants			
Aldicarb	99.8	103	0.21
Carbaryl	>98.3	511	<DL
Chlorpyrifos	>99.9	212	<DL
4,4'-Dibromo-1,1'-biphenyl	95.7	46.0	2.00
Guthion	>99.9	46.1	<DL
Hydrocarbons (Gasoline, Kerosene, Diesel)	>91.3	1150	<DL
Malathion	>99.0	217	<DL
Parathion	99.9	212	<DL
Benzoylecgonine	>85	5	<DL
Chloral Hydrate	>85	25	<DL
E3	>90	1	<DL
Equilin	>83	0.15	<DL
Equilenin	>85	0.3	<DL
Norethindrone	>90	1	<DL
Permethrin	>95%	0.2	<DL
Sulfamerazine	>85	0.5	<DL
Sulfamethazine	>83	0.15	<DL
Sulfamethoxazole	>85	2	<DL

Rated Flow Speed: 0.7 gal/min (2.6 L/min).
Capacity of Filter Cartridge: 1320 gallons (5000 L) or one year service
Maximum Working Pressure: 100 psi (689 kPa)
Minimum Pressure: 15 psi (104 kPa)
Maximum Water Temperature: 86°F (30°C)
Minimum Water Temperature: 40°F (4.4°C)
Electrical Input: 24V DC, 1.875A
General Installation Conditions and Needs: See Owner's Manual
General Operation and Maintenance Requirements: See Owner's Manual
Explanation of Performance Indicator: See Owner's Manual
Manufacturer's Limited Warranty: See Owner's Manual

Installation must comply with local, regional, or national laws and regulations.

The contaminants listed above for reduction by the **eSpring**™ Water Purifier are not necessarily in your water.

The Water Purifier has been certified for the reduction of radon from drinking water at a loading rate of 15.2 liters (four gallons) per day. The certification is not for other potential radon sources including air. The Water Purifier should not be used on drinking water containing radon levels in excess of 4000 pCi/L.

While testing of this system was performed under standard laboratory conditions, actual performance may vary.

CAUTION: 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.

System Tested and Certified by NSF International against NSF/ANSI Standard 42, 53, 55 and 401 for the reduction of the claims specified on the Performance Data Sheet.

System Certified by the Water Quality Association according to NSF/ANSI Standard 42, 53, 55, and 401; see Performance Data Sheet for specific claims.

Manufactured for Access Business Group LLC, Ada, MI 49355 U.S.A.

Dist. by Amway Corp., Ada, MI 49355 U.S.A.

Product Information Number: In the United States, call 1-800-253-6500 Monday-Friday 9 am–11 pm, Eastern time.

Exclusively from Amway

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