Waterdrop

Performance Data Sheet

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

NSF/ANSI Standard 42 – Aesthetic Effects				
Substance	Influent Challenge Concentration	Percent Reduction	Product Water Concentration	U.S. EPA Level/NSF Maximum Permissible Product Water Concentration
Dissociate chlorine residue	2.02 ppm	>99.5%	<0.01 ppm	≥50%
Chloramine	2.88 ppm	97.22%	0.08 ppm	≥80%
NSF/ANSI Standard 53&58 – Health Effects				
Substance	Influent Challenge Concentration	Percent Reduction	Product Water Concentration	U.S. EPA Level/NSF Maximum Permissible Product Water Concentration
Total dissolved solids (TDS)	708 ppm	95.34%	33 ppm	≥75%
Nitrate (as N)	34.500 ppm	99.38%	0.214 ppm	10 ppm
Fluoride	8.557 ppm	99.53%	0.040 ppm	1.5 ppm
Arsenic (As)	0.3337 ppm	91.67%	0.0278 ppm	0.01 ppm
Chromium-VI	0.153 ppm	>97.38%	<0.004 ppm	0.1 ppm
Lead (Pb)	0.1639 ppm	>99.69%	<0.0005 ppm	0.005 ppm
Copper (Cu)	3.268 ppm	>99.84%	<0.005 ppm	1.3 ppm
Microbial reduction testing				
Substance	Influent Challenge Concentration	Percent Reduction	Product Water Concentration	U.S. EPA Level/NSF Maximum Permissible Product Water Concentration
Total coliforms	1.1×10^{6}	>99.99%	<1 CFU/100mL	99.99%
NSF/ANSI StandardNSF/ANSI Standard 53 – Health Effects – Volatile organic chemicals (VOCs) included by surrogate testing				
Substance	Influent Challenge Concentration (mg/L)	Percent Reduction	Product Water Concentration (mg/L)	U.S. EPA Level/NSF Maximum Permissible Product Water Concentration
chloroform	0.3841	>99.94%	<0.0002	95%

Antibiotic reduction testing			
Substance	Influent Challenge Concentration (μg/L)	Percent Reduction	Product Water Concentration (μg/L)
Ampicillin	7.212	>99.93%	<0.005
Amoxicillin	8.128	>99.93%	<0.005
Tetracycline	7.937	>99.93%	<0.005
Oxytetracycline	8.6	>99.94%	<0.005
Chlorotetracycline	8.445	>99.94%	<0.005
Sulfadiazine	8.535	>99.94%	<0.005
Sulfamethazine	7.82	>99.93%	<0.005
Roxithromycin	7.955	>99.93%	<0.005
Norfloxacin	7.813	>99.93%	<0.005