

Model	Micron Rating	Operating Pressure Range	Rated Capacity	Operating Temp/ Range	Rated Flow
bluedot	1 micron	40-75 psi 2.76-5.17 Bar	10,000 gallons 37,854 liters	40°F-100°F 4.4°C-37.8°C	up to 2.5 gpm (9.46 lpm)
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bluedot has been tested according to and exceeding NSF/ANSI 42, 53, 401 and P473 for reduction of the substances listed below. The concentrations of the listed substances entering the bluedot system was reduced to less than or equal to the limits for water exiting the system, as set forth by NSF/ANSI 42, 53, 401 & P473. **Note:** bluedot was tested at flow rates of 1.8 gpm - 2.5 gpm for 10,000 gallons, a flow rate and capacity that exceeds NSF testing requirements.

NSF/ANSI 42	Minimum Reduction	Percent Reduction	Results
Chlorine Reduction, Free Available @ 2.0 mg/L	<0.5 mg/l	>99%	Pass
Chloramine Reduction, Free Available @ 4.0 mg/L	<0.5 mg/l	>98%	Pass
Particulate	85%	>99.99%	Pass

NSF/ANSI 53	Required Reduction	Percent Reduction	Results
Cyst Cryptosporidium & Giardia 111,750 particles/ml	99.95%	>99.99%	Pass
Mercury pH 8.5	<2 ug/L	>95%	Pass
Mercury pH 6.5	<2 ug/L	>96%	Pass
Lead pH 6.5 @ 149 ug/L	<10 ug/L	>99%	Pass
Lead pH 8.5 @ 135 ug/L	<10 ug/L	>95.9%	Pass
MTBE (methyl tert-butyl ether)	<5 ug/L	98.6%	Pass
Turbidity	<0.5 NTU	>99.99%	Pass
VOC Surrogate Test	95%	99.4%	Pass
Asbestos	99%	>99%	Pass

NSF/ANSI 401	Maximum Concentration	Minimum Reduction	Percent Reduction	Results
Atenolol	30 ng/L	94.2%	95%	Pass
Bisphenol A	300 ng/L	98.80%	99%	Pass
Carbamazepine	200 ng/L	98.6%	98.9%	Pass
DEET	200 ng/L	98.7%	98.9%	Pass
Estrone	20 ng/L	96.30%	97%	Pass
Ibuprofen	60 ng/L	95.3%	95.4%	Pass
Linuron	20 ng/L	96.6%	96.6%	Pass
Meprobamate	60 ng/L	94.7%	94.7%	Pass
Metolachlor	200 ng/L	98.6%	98.6%	Pass
Naproxen	20 ng/L	96.3%	96.4%	Pass
Nonyl phenol	200 ng/L	97.50%	97.5%	Pass
Phenytoln	30 ng/L	95.50%	95.6%	Pass
TCEP	700 ng/L	98%	98%	Pass
TCPP	700 ng/L	97.8%	98%	Pass
Trimethoprim	20 ng/L	96.7%	98%	Pass

NSF P473	Influent challenge concentration	Maximum permissible product water concentration	Percent Reduction	Results
Perfluorooctanoic acid (PFOA) & Perfluorooctane sulfonate (PFOS)	1.5 ±10% ug/L	0.07 ug/L	96%	Pass

MISC. CONTAMINANTS	Influent Challenge	Percent Reduction	EPA Max. (MCL) mg/L
Hexavalent Chromium (Chromium-6)	0.1 mg/L	>95%	0.1
Fluoride (Hydrofluoroilic acid, HFSA, FSA)	6.0 mg/L	>99%	4.0
Fluoride (Sodium Fluoride)	6.0 mg/L	>97%	4.0

- Do not use your bluedot filter system with water that is microbiologically unsafe or of unknown water quality without adequate disinfection before or after the bluedot system.
- Only install bluedot filter on a cold water line.
- Filter use must comply with state and local laws.
- Testing performed under standard laboratory conditions and actual performance may vary depending on your tap water quality and use.
- Not all contaminants listed here may be present in your tap water.
- Filter removes all contaminants listed (any unlisted contaminants that may be present in tap water may not be removed by filter).
- The bluedot system is only to be used on disinfected, potable water that may contain filterable cysts.
- See bluedot's install guide and warranty for instructions, troubleshooting, and system needs.

bluedot is independently lab-tested by third-party EPA-certified, ISO-accredited laboratories in the USA against NSF/ANSI Standards 42, 53 & 401 and conforms to NSF protocol P473 for reduction of claims specified. bluedot meets and exceeds ALL applicable testing requirements set forth by NSF/ANSI. Without exception, every component of bluedot filtration that comes in contact with water is compliant for FDA food and beverage contact, and complies with or meets the most current and applicable Federal and California State standards.

Microplastics	—	100 mg/l	<1 mg/l	>99%
Volatile Organic Compounds (VOCs)*	EPA Maximum Contaminant Level (MCL) mg/L*	Influent Challenge (mg/L)	Effluent Maximum (mg/L)	Percent Reduction
ALACHLOR	0.002	0.05	0.001	>98%
ATRAZINE	0.003	0.100	0.003	>97%
BENZENE	0.005	0.081	0.001	>99%
CARBOFURAN (Furadan)	0.04	0.19	0.001	>99%
CARBON TETRACHLORIDE	0.005	0.078	0.0018	98%
CHLORO BENZENE	0.1	0.077	0.001	>99%
CHLOROPICRIN	—	0.015	0.0002	99%
2,4-D	0.07	0.110	0.0017	98%
DIBROMOCHLOROPROPANE (DBCP)	0.0002	0.052	0.00002	>99%
o-DICHLORO BENZENE	0.6	0.08	0.001	>99%
p-DICHLORO BENZENE	0.075	0.04	0.001	>98%
1,2-DICHLOROETHANE	0.005	0.088	0.0048	95%
1,1-DICHLOROETHYLENE	0.007	0.083	0.001	>99%
CIS-1,2-DICHLOROETHYLENE	0.07	0.17	0.0005	>99%
TRANS-12-DICHLOROETHYLENE	0.1	0.086	0.001	>99%
1,2-DICHLOROPROPANE	0.005	0.08	0.001	>99%
CIS-1,3-DICHLOROPROPYLENE	—	0.079	0.001	>99%
DINOSEB	0.007	0.17	0.0002	99%
ENDRIN	0.002	0.053	0.00059	99%
ETHYLBENZENE	0.7	0.088	0.001	>99%
ETHYLENE DIBROMIDE (EDB)	0.00005	0.044	0.00002	>99%
HALOACETONITRILES (HAN)				
BROMOCHLOROACETONITRILE	—	0.022	0.0005	98%
DIBROMOACETONITRILE	—	0.024	0.0006	98%
DICHLOROACETONITRILE	—	0.0096	0.0002	98%
TRICHLOROACETONITRILE	—	0.015	0.0003	98%
HALOKETONES (HK)				
1,1-DICHLORO-2-PROPANONE	—	0.0072	0.0001	99%
1,1,1-TRICHLORO-2-PROPANONE	—	0.0082	0.0003	96%
HEPTACHLOR (H-34, Heptox)	0.0004	0.25	0.00001	>99%
HEPTACHLOR EPOXIDE*	0.0002	0.0107	0.0002	98%
HEXACHLOROBUTADIENE	—	0.044	0.001	>98%
HEXACHLOROCYCLOPENTADIENE	0.05	0.06	0.000002	>99%
LINDANE	0.0002	0.055	0.00001	>99%
METHOXYCHLOR	0.04	0.05	0.0001	>99%
PENTACHLOROPHENOL	0.001	0.096	0.001	>99%
SIMAZINE	0.004	0.12	0.004	>97%
STYRENE (Vinylbenzene)	0.1	0.15	0.0005	>99%
1,1,2,2-TETRACHLOROETHANE	—	0.081	0.001	>99%
TETRACHLOROETHYLENE	0.005	0.081	0.001	>99%
TOLUENE	1	0.078	0.001	>99%
2,4,5-TP (SILVEX)	0.05	0.27	0.0016	99%
TRIBROMOACETIC ACID	—	0.042	0.001	>98%
1,2,4-TRICHLORO BENZENE	0.07	0.160	0.0005	>99%
1,1,1-TRICHLOROETHANE	0.2	0.084	0.0046	95%
1,1,2-TRICHLOROETHANE	0.005	0.15	0.0005	>99%
TRICHLOROETHYLENE	0.005	0.18	0.0010	>99%
TRIHALOMETHANES (THMs)		Influent Challenge	Effluent Maximum	Percent Reduction
BROMODICHLOROMETHANE (TTHM)				
BROMOFORM (TTHM)	0.080	0.300	0.015	>99.8%
CHLOROFORM (TTHM)*		mg/L	mg/L	
CHLORODIBROMOMETHANE (TTHM)				
XYLENES (TOTAL)	10	0.070	0.001	>99%

*Current EPA limits at time of data sheet publication. Chloroform was used as a surrogate for VOC testing.