

WaterdrOp

Reverse Osmosis Water Filtration System **MODEL: WD-G3P800**



The system is certified by IAPMO R&T against NSF/ANSI 42, 53 & 58 for the reduction of the claims specified on the Performance Data Sheet, and NSF/ANSI 372 (≤0.25% lead).

PERFORMANCE DATA SHEET

Substance	NSF Specified Challenge Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	Test Result
NSF/ANSI 42 Standard				
Chlorine	2.0 ±10% mg/L	/	≥50%	> 97.5%
NSF/ANSI 53 Standard				
PFOA	0.005±20% mg/L	0.00002 mg/L	/	>98%
PFOS	0.001±10% mg/L	0.00002 mg/L	/	>99%
NSF/ANSI 58 Standard				
TDS	750 ±40 mg/L	/	≥75%	93.59%
Cadmium	0.03±10% mg/L	0.005 mg/L	/	92.17%
(ChromiumHexavalent)	0.3±10% mg/L	0.1 mg/L	/	96.38%
Selenium	0.10 ± 10% mg/L	0.05 mg/L	/	98.47%
Fluoride	8.0 ± 10% mg/L	1.5 mg/L	/	88.23%
Barium	10.0 ± 20% mg/L	2 mg/L	/	97.79%
Radium 226/228	25 pCi/L	5 pCi/L	/	97.79%

Testing performed under NSF/ANSI standards 42 & 53 & 58 & 401. This system has been tested according to NSF /ANSI 42 & 53 & 58 & 401for the reduction of 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 the water leaving the filter as specified in NSF/ANSI 42 & 53 & 58 & 401.

Product also tested by SGS & CSA lab for contaminant below.

NSF/ANSI Standard 53 – Health Effects – Volatile Organic Chemicals (VOCs) included by Surrogate Testing				
Substance	Influent Challenge Concentration (mg/L)	% Reduction	Product Water Concentration (mg/L)	U.S. EPA Level/NSF Maximum Permissible Product Water Concentration
Chloroform	0.2747 ppm	98.20%	0.0044	95%
Alachlor	0.05 ppm	> 98%	0.001	1 ppb
Atrazine	0.1 ppm	> 97%	0.003	3 ppb
Benzene	0.081 ppm	> 99%	0.001	1 ppb
Carbofuran	0.19 ppm	> 99%	0.001	1 ppb
Carbon tetrachloride	0.078 ppm	98%	0.0018	1.8 ppb
Chlorobenzene	0.077 ppm	> 99%	0.001	1 ppb
Chloropicrin	0.015 ppm	99%	0.0002	0.2 ppb
2,4-D	0.11 ppm	98%	0.0017	1.7 ppb
Dibromochloropropane (DBCP)	0.052 ppm	> 99%	0.00002	0.02 ppb
O-Dichlorobenzene	0.08 ppm	> 99%	0.001	1 ppb
P-Dichlorobenzene	0.04 ppm	> 98%	0.001	1 ppb
1,2-Dichloroethane	0.088 ppm	95%	0.0048	4.8 ppb
1,1-Dichloroethylene	0.083 ppm	> 99%	0.001	1 ppb
Cis-1,2-Dichloroethylene	0.17 ppm	> 99%	0.0005	0.5 ppb
Trans-1,2-Dichloroethylene	0.086 ppm	> 99%	0.001	1 ppb
1,2-Dichloropropane	0.08 ppm	> 99%	0.001	1 ppb
Cis-1,3-Dichloropropylene	0.079 ppm	> 99%	0.001	1 ppb
Dinoseb	0.17 ppm	99%	0.0002	0.2 ppb
Endrin	0.053 ppm	99%	0.00059	0.59 ppb
Ethylbenzene	0.088 ppm	> 99%	0.001	1 ppb
Ethylene Dibromide (EDB)	0.044 ppm	> 99%	0.00002	0.02 ppb
Bromochloroacetoneitrile	0.022 ppm	98%	0.0005	0.5 ppb
Dibromoacetoneitrile	0.024 ppm	98%	0.0006	0.6 ppb
Dichloroacetoneitrile	0.0096 ppm	98%	0.0002	0.2 ppb
Trichloroacetoneitrile	0.015 ppm	98%	0.0003	0.3 ppb
1,1-Dichloro-2-Propanone	0.0072 ppm	99%	0.0001	0.1 ppb
1,1,1-Trichloro-2-Propanone	0.0082 ppm	96%	0.0003	0.3 ppb
Heptachlor (H-34, Heptox)	0.025 ppm	> 99%	0.00001	0.01 ppb
Heptachlor epoxide	0.0107 ppm	98%	0.0002	0.2 ppb
Hexachlorobutadiene	0.044 ppm	> 98%	0.001	1 ppb
Hexachlorocyclopentadiene	0.06 ppm	> 99%	0.000002	0.002 ppb
Lindane	0.055 ppm	> 99%	0.00001	0.01 ppb
Methoxychlor	0.05 ppm	> 99%	0.0001	0.1 ppb
Pentachlorophenol	0.096 ppm	> 99%	0.001	1 ppb
Simazine	0.12 ppm	> 97%	0.004	4 ppb
Styrene	0.15 ppm	> 99%	0.0005	0.5 ppb
1,1,2,2-Tetrachloroethane	0.081 ppm	> 99%	0.001	1 ppb
Tetrachloroethylene	0.081 ppm	> 99%	0.001	1 ppb
Toluene	0.078 ppm	> 99%	0.001	1 ppb
2,4,5-TP (silvex)	0.27 ppm	99%	0.0016	1.6 ppb
Tribromoacetic acid	0.042 ppm	> 98%	0.001	1 ppb
1,2,4-Trichlorobenzene	0.16 ppm	> 99%	0.0005	0.5 ppb
1,1,1-Trichloroethane	0.084 ppm	95%	0.0046	4.6 ppb
1,1,2-Trichloroethane	0.15 ppm	> 99%	0.0005	0.5 ppb
Trichloroethylene	0.18 ppm	> 99%	0.001	1 ppb
Trihalomethanes (includes): chloroform (surrogate chemical) bromoform bromodichloromethane chlorodibromomethane	0.3 ppm	95%	0.015	15 ppb
Xylenes (total)	0.07 ppm	> 99%	0.001	1 ppb

NSF/ANSI Standard 42 – Aesthetic Effects				
Substance	Influent Challenge Concentration	% Reduction	Product Water Concentration	U.S. EPA Level/NSF Maximum Permissible Product Water Concentration
Dissociate Chlorine Residue	1.98 ppm	>99%	<0.01 ppm	≥50%
NSF/ANSI Standard 53&58 – Health Effects				
Substance	Influent Challenge Concentration	% Reduction	Product Water Concentration	U.S. EPA Level/NSF Maximum Permissible Product Water Concentration
Turbidity	11.7 NTU	99%	0.08 NTU	0.5 NTU
Total Dissolved Solids (TDS)	244 ppm	98%	6 ppm	≥75%
Nitrate (as N)	1.654 ppm	98%	0.029 ppm	10 ppm
Fluoride	5.587 ppm	99%	0.063 ppm	1.5 ppm
Arsenic (As)	0.1151 ppm	>99%	<0.0005 ppm	0.01 ppm
Cadmium (Cd)	0.0558 ppm	>99%	<0.0002 ppm	0.005 ppm
Chromium-VI	0.517 ppm	>99%	<0.004 ppm	0.1 ppm
Lead (Pb)	0.1113 ppm	>99%	<0.0005 ppm	0.005 ppm
Mercury (Hg)	0.0686 ppm	>99%	<0.0002 ppm	0.002 ppm
Copper (Cu)	1.001 ppm	>99%	<0.0005 ppm	1.3 ppm
Barium (Ba)	1.088 ppm	>99%	<0.0005 ppm	2 ppm
Selenium (Se)	0.13 ppm	>96%	<0.005 ppm	0.05 ppm
Chlorate (ClO3 -)	0.782 ppm	>99%	<0.005 ppm	0.21 ppm
Perfluorooctane Sulfonate (PFOS)	3.26 ppb	>99%	<0.01 ppb	0.07 ppb
Perfluorooctanoic Acid (PFOA)	3 ppb	>99%	<0.01 ppb	0.07 ppb
Microbial Reduction Testing				
Substance	Influent Challenge Concentration	% Reduction	Product Water Concentration	U.S. EPA Level/NSF Maximum Permissible Product Water Concentration
Total Coliforms	9.8×10 ⁶ ppm	>99.999%	<1 CFU/100mL	99.99%

NSF/ANSI Standard 401 – Emerging Compounds /Incidental Contaminants				
Substance	Influent Challenge Concentration (ng/L)	% Reduction	Product Water Concentration (ng/L)	U.S. EPA Level/NSF Maximum Permissible Product Water Concentration (ng/L)
atenolol	163	>90.80%	<15	30
carbamazepine	1282	>92.20%	<100	200
DEET	1554	>93.56%	<100	200
trimethoprim	118	>91.53%	<10	20
Linuron	112	>91.07%	<10	20
TCEP	5283	>94.32%	<300	700
Phenytoin	223	>93.27%	<15	30
ibuproen	390	>92.31%	<30	60
naproxen	137	>92.70%	<10	20
estrone	154	>90.26%	<15	20
bisphenol A	1648	>90.90%	<150	300
Nonylphenol	1361	>92.65%	<100	200

Manufacturer Technical Support

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