



Reverse Osmosis Water Filtration System

MODEL: WD-G3P600/WD-G3P800



The system is certified by IAPMO R&T against NSF/ANSI Standard 58 for the contaminants listed in performance data sheet, and to NSF/ANSI 372 ($\leq 0.25\%$).

PERFORMANCE DATA SHEET

Substance	NSF Specified Challenge Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements
TDS	750 $\pm$ 40 mg/L	/	$\geq 75\%$

Testing performed under NSF/ANSI standards 42 & 53 & 58. This system has been tested according to NSF /ANSI 42 & 53 & 58 for 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.

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	$\geq 50\%$
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	$\geq 75\%$
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 (ClO ₃ -)	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	9.8×10^5 ppm	$> 99.999\%$	< 1 CFU/100mL	99.99%

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
Bromochloroacetonitrile	0.022 ppm	98%	0.0005	0.5 ppb
Dibromoacetonitrile	0.024 ppm	98%	0.0006	0.6 ppb
Dichloroacetonitrile	0.0096 ppm	98%	0.0002	0.2 ppb
Trichloroacetonitrile	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