



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 |                                       |                                             |                            |             |
| Total PFAS           | 0.00216 ±20% mg/L                     | 0.00002 mg/L                                | /                          | > 99%       |
| PFQA                 | 0.005 ±20% mg/L                       | 0.00002 mg/L                                | /                          | > 98%       |
| PFOS                 | 0.001 ±10% mg/L                       | 0.00002 mg/L                                | /                          | > 99%       |
| PFNA                 | 0.00005 ± 10% mg/L                    | 0.000006 mg/L                               | /                          | > 80%       |
| PFHxS                | 0.0003 ± 10% mg/L                     | 0.00002 mg/L                                | /                          | > 96.4%     |
| PFHpA                | 0.00004 ± 20% mg/L                    | 0.00002 mg/L                                | /                          | > 75%       |
| 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 & 401 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 & 401.

| 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                                                           |
| Bromochloroacetnitrile                                                                                         | 0.022 ppm                               | 98%         | 0.0005                             | 0.5 ppb                                                            |
| Dibromoacetnitrile                                                                                             | 0.024 ppm                               | 98%         | 0.0006                             | 0.6 ppb                                                            |
| Dichloroacetnitrile                                                                                            | 0.0096 ppm                              | 98%         | 0.0002                             | 0.2 ppb                                                            |
| Trichloroacetnitrile                                                                                           | 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 <sup>6</sup> 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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