**See owner's manual for installation & operating instructions as well as manufacturer's limited warranty.**

## REPLACEMENT FILTERS

- **Pre/Carbon Filter Part #AT2001. Replace every 6 months**
- **Reverse Osmosis Membrane Part #AT2002. Replace every 1200 gallons or 2 years, whichever comes first**
- **VOC filter Part #AT2003. Replace every 600 gallons or 12 months, whichever comes first**


Company: AquaTru®, LLC
1392 Sarah Place, Suite B / Ontario, CA / 91761 / USA
800.220.6570

**aquatruwater.com**



AQUA TRU®


# Product: AquaTru® Model AT2000 Use Guidelines:

The AquaTru® water purifier requires regular replacement of all filters to operate properly. The Pre-filter needs to be changed every 6 months and the VOC filter every 12 months or 600 gallons, whichever comes first and the reverse osmosis membrane needs to be replaced every 2 years or 1200 gallons, whichever comes first. Your water quality may affect filter life & replacement frequency.

AquaTru® is tested and certified by IAPMO according to NSF/ANSI Standard 42, 53, 58. (For the reduction of the claims specified on the Performance Data Sheet).

- Please be aware that not all contaminants listed may be present in your water.
- AquaTru® may not remove all contaminants that may be present in your tap water.
- See manual for explanation of performance indication device.
- AquaTru® is only to be used with cold water.
- AquaTru® usage must comply with all state and local laws.
- Testing was performed under standard laboratory conditions, actual performance may vary.
- Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.
- Spent absorbtion media will not be reactivated and used.

**CAUTION! Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.**

## PERFORMANCE DATA SHEET

AquaTru® has been certified according to NSF/ANSI 42 for the reduction of the substances listed below. The concentration of the indicated substances in water was reduced to a concentration less than or equal to the permissable levels as specified in NSF/ANSI 42.

| NSF/ANSI 42 Substance | Reduction Requirement | Influent Challenge Concentration | Overall Reduction | Result |
|---|---|---|---|---|
| Chlorine Reduction, Free Available | ≥ 50% | 2.0 mg/l ±10% | 96.6% | Pass |

AquaTru® has been certified according to NSF/ANSI 58 for reduction of the 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 levels as specified in NSF/ANSI 58.

## Substance Reduction[1]

| Substance | Influent Challenge Concentration mg/L | Maximum Permissible Product Water Concentration mg/L | Reduction Requirements | Minimum Reduction | Average Reduction |
|---|---|---|---|---|---|
| Barium | 10 +/- 10% | 2 | N/A | 88.0% | 96.4% |
| Hexavalent Chromium | 0.30 +/- 10% | 0.10 | N/A | 94.3% | 97.2% |
| Trivalent Chromium | 0.3 +/- 10% | 0.10 | N/A | 92.3% | 98.0% |
| Copper | 3 +/-10% | 1.3 | N/A | 90.6% | 95.2% |
| Fluoride | 8 +/- 10% | 1.5 | N/A | 91.8% | 93.5% |
| Lead | 0.15 +/- 10% | 0.010 | N/A | 97.5% | 99.1% |
| Radium[2] 226/228 | 25pCi/L +/- 10% | 5pCi/L | N/A | 88.0% | 96.4% |
| Selenium | 0.10 +/- 10% | 0.05 | N/A | 95.7% | 98.1% |
| Cyst[3] | ≥ 50,0000 ms/L | N/A | 99.95% | 99.99% | 99.99% |
| TDS | 750 +/- 20 | 22 | 75% | 75.7% | 87.1% |
| **Recovery - 80%[4]** | | **Daily Production Rate - 54 GPD** | | **Efficiency - 75%[5]** | |

1. While testing was performed under standard laboratory conditions, actual performance may vary depending on water pressure, temperature and other substances, water quality and other conditions.
2. Based upon testing methods using Barium as a surrogate. All concentrations in pCi/L pico curie/L.
3. Includes Giardia lamblia, Entamoeba histolyca and Cryptosporidium.
4. Recovery rating means the percentage of the influent water to the membrane portion of the system that is available to the user as reverse osmosis treated water when the system is operated without a storage tank or when the storage tank is bypassed.
5. Efficiency rating means the percentage of the influent water to the system that is available to the user as reverse osmosis treated water under operating conditions that approximate typical daily usage.

| Operating Parameters | SI Units | Metric Units |
|---|---|---|
| Input Power | 120 Volt ~ 60 Hz | |
| Temperature | 39-100° F | 4-38° C |
| **Inlet Water Quality Limits** | | |
| Total Dissolved Solids (TDS) | | 1500 mg/L |
| Maximum Hardness †‡: | | 10 gpg (171 mg/L) |
| Sulphide, Iron & Manganese ‡: | | <0.1 mg/L |
| Chlorine | | <2 ppm |
| pH | | 3-11 |
| Turbidity | | 5 NTU Max. |

† If the hardness of your water is above 10 gpg (171 mg/L), lime scale will build up rapidly on the membrane inside of the RO membrane cartridge. Scale build up will plug the RO membrane cartridge and make the system ineffective. We do not recommend the AquaTru® to be used with water in excess of 10 gpg (171 mg/L) hardness, unless the water is softened prior to the reverse osmosis system.

This system has been certified to NSF/ANSI 53 for the reduction of the substances listed on the following page. The concentration of the indicated substances in water was reduced to a concentration less than or equal to the permissible levels as specified in NSF/ANSI 53.

# ORGANIC CHEMICALS INCLUDED BY SURROGATE TESTING

| NSF/ANSI 53 Substance | Influent Challenge Concentration mg/L | Maximum Permissible Product Water Concentration mg/L | Minimum Reduction |
|---|---|---|---|
| Alachor | 0.050 | 0.001 | >98% |
| Atrazine | 0.100 | 0.003 | >97% |
| Benzene | 0.081 | 0.001 | >99% |
| Carbofuran | 0.190 | 0.001 | >99.5% |
| Carbon Tetrachloride | 0.078 | 0.0018 | 98% |
| Chlorbenzene | 0.077 | 0.001 | >99% |
| Chlorpicrin | 0.015 | 0.0002 | 99% |
| 2,4-d | 0.110 | 0.0017 | 98% |
| Dibromochloropropane (Dbcp) | 0.052 | 0.00002 | >99% |
| O-Dichlorobenzene | 0.080 | 0.001 | >99% |
| P-Dichlorobenzene | 0.040 | 0.001 | >98% |
| 1,2-Dichloroethane | 0.088 | 0.0048 | 95% |
| 1,1-Dichloroethylene | 0.083 | 0.001 | >99% |
| Cis-1,2-Dichloroethylene | 0.170 | 0.0005 | >99% |
| Trans-1,2-Dichloroethylene | 0.086 | 0.001 | >99% |
| 1,2-Dichloropropane | 0.080 | 0.001 | >99% |
| Cis-1,3-Dichloropropylene | 0.079 | 0.001 | >99% |
| Dinoseb | 0.170 | 0.0001 | 99% |
| Endrin | 0.053 | 0.00059 | 99% |
| Ethylbenzene | 0.088 | 0.001 | >99% |
| Ethylene Dibromide (Edb) | 0.044 | 0.0002 | >99% |
| Haloacetonitriles (Han): | | | |
| Bromochloroacetonitrile | 0.022 | 0.0005 | 98% |
| Dibromoacetonitrile | 0.024 | 0.0006 | 98% |
| Dichloroacetonitrile | 0.0096 | 0.0002 | 98% |
| Trichloracetonitrile | 0.015 | 0.0003 | 98% |
| Haloketones (Hk): | | | |
| 1,1-Dichloro-2-propane | 0.0072 | 0.0001 | 99% |
| 1,1,1-Trichloro-2-propane | 0.0082 | 0.0003 | 96% |
| Heptachlor | 0.025 | 0.00001 | >99% |
| Heptachlor Epoxide | 0.0107 | 0.0002 | 98% |
| Hexachlorobutadiene | 0.044 | 0.001 | >98% |
| Hexachlorocyclopentadiene | 0.060 | 0.000002 | >99% |
| Lindane | 0.055 | 0.00001 | >99% |
| Methoxychlor | 0.050 | 0.0001 | >99% |
| Pentachloophenol | 0.096 | 0.001 | >99% |
| Simazine | 0.120 | 0.004 | >97% |
| Styrene | 0.150 | 0.0005 | >99% |
| 1,1,2,2-Tetrachloroethane | 0.081 | 0.001 | >99% |
| Tetrachloroethylene | 0.081 | 0.001 | >99% |
| Toluene | 0.078 | 0.001 | >99% |
| 2,4,5-tp (Silvex) | 0.270 | 0.0016 | 99% |
| Tribromoacetic Acid | 0.042 | 0.001 | >98% |
| 1,2,4-Trichlorobenzene | 0.160 | 0.0005 | >99% |
| 1,1,1-Trichloroethane | 0.084 | 0.0046 | 95% |
| 1,1,2-Trichloroethane | 0.150 | 0.0005 | >99% |
| Trichloroethylene | 0.180 | 0.001 | >99% |
| Trihalomethanes (Includes): Chloroform (Surrogate Chemical) Bromoform Bromodichloromethane Chlorodibromomethane | 0.300 | 0.015 | 95% |
| Xylenes (Total) | 0.070 | 0.001 | >99% |