

# Performance Data Sheet

## PureBlueH2O® Reverse Osmosis Filtration System PB-TLRO4H50T with PureBlueH2O® PB-TLRO4SEDT, PB-TLRO4CB2T, PB-TLRO4MC50T and PB-TLRO4CB4T Twist Lock Filters

The PB-TLRO4H50T system has been tested and certified according to NSF/ANSI Standards 58 by NSF International for the reduction of the substances listed below, as verified and substantiated by test data. The concentration of the indicated substances in the water entering the system was reduced to a concentration less than or equal to the permissible limit for the water leaving the system, as specified in NSF/ANSI Standards 58. System tested and certified by NSF International against NSF/ANSI Standard 372 for low lead compliance. Please see warranty insert for manufacturer's limited warranty. Please see installation instructions for internal operation and maintenance requirements.

### NSF/ANSI STANDARD 58 HEALTH EFFECTS

Substance	Influent Challenge Concentration	US EPA Maximum Permissible Water Concentration	Required Minimum Percent Reduction	Actual Minimum Percent Reduction	Actual Average Percent Reduction
<b>Standard 58</b>					
Arsenic (Pentavalent) <sup>1</sup>	0.30 +/- 10%	0.01 mg/L	80.0%	97.6%	99.2%
Barium	10 +/- 10%	2.0mg/L	80.0%	95.2%	97.6%
Cadmium	0.03 +/- 10%	0.005 mg/L	83.3%	95.3%	98.1%
Chromium (Hexavalent)	0.30 +/- 10%	0.1 mg/L	66.7%	97.0%	98.5%
Chromium (Trivalent)	0.30 +/- 10%	0.1 mg/L	66.7%	96.6%	96.7%
Copper	3.0 +/-10%	1.3 mg/L	56.7%	96.6%	98.7%
Fluoride	8.0 +/- 10%	1.5 mg/L	81.2%	95.7%	95.7%
Lead	0.15 +/- 10%	0.010 mg/L	93.3%	96.6%	98.6%
Radium 226/228	25 pCi/L +/- 10%	5 pCi/L	80.0%	80.0%	80.0%
Selenium	0.10 +/- 10%	0.05 mg/L	50.0%	97.9%	97.9%
Turbidity	11 +/- 1 NTU	0.5 NTU	95.4%	>99.1%	>99.1%
TDS	750 +/- 40 mg/L	187 mg/L	75.0%	94.2%	95.8%
Cyst	Minimum 50,000		99.5%	>99.99%	>99.99%

**Efficiency Rate: 22.12%**

**Recovery Rate: 32.42%**

**Daily Production Rate: Per Test Data, 28.13 Gallons per day.**

**Operating temperature: Min 40°F (4.4°C) - Max 100°F (37.7°C)**

**Operating pressure 30-100 psi (207 - 690 kPa)**

Laboratory test conditions: pH: 6.5 - 8.5, water temperature: 72°F / 23°C - 75°F / 24°C Actual performance may vary with local water conditions. Do not use with water that is microbiologically unsafe or of unknown water quality without adequate disinfection before or after the system.

Systems certified for cysts reduction may be used on disinfected waters that may contain filterable cysts.

The replacement cartridge referenced above are available at Costco.com. PureBlueH2O® Replacement Filters: PB-TLRO4SEDT Every 6 months, PB-TLRO4CB2T Every 6 months, PB-TLRO4MC50T Every 2-5 years and PB-TLRO4CB4T Every 1 year – Annually.

- This system has been tested for the treatment of water containing pentavalent arsenic (also known as As(V), As(+5) or arsenate) at concentrations of 0.30 mg/L or less. This system reduces pentavalent arsenic, but may not remove other forms of arsenic. This system is to be used on water supplies containing a detectable free chlorine residual at the system inlet or on water supplies that have been demonstrated to contain only pentavalent arsenic. Treatment with chloramines (combined chlorine) is not sufficient to ensure complete conversion of trivalent arsenic to pentavalent arsenic. Please see Arsenic Fact Sheet for further information.
- 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.
- Recovery rate 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.