

4 Stage Reverse Osmosis



Features

- Easy & convenient twist-lock sumps
- Quiet & fast auto shut-off built into head
- Proprietary cartridge connection ensures your replacement business for life
- Reduces 97% of Total Dissolved Solids – as small as 0.01 microns
- Includes auxiliary faucet, 2.8 gallon tank and all hardware
- Improves taste & clarity



System Tested and Certified by NSF International against NSF/ANSI Standard 58 for the reduction of Cysts, Lead, Pentavalent Arsenic, Barium, Fluoride, Copper, Turbidity, Cadmium, Hexavalent Chromium, Trivalent Chromium, Selenium, Radium 226/228 and Total Dissolved Solids (TDS).

EPA Est. 088572-CHN-001



MODELS TLRO4H50T AND TLRO4H75T SYSTEM CONFORMS TO NSF STANDARD 58 FOR SPECIFIC CLAIMS.

GENERAL USE CONDITIONS:

1. System to be used with municipal or well water sources treated and tested on regular basis to ensure bacteriological safe quality. DO NOT use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before and after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.
2. Operating Temperature: Maximum: 100°F (38°C) Minimum: 40°F (4°C)
3. Operating Water Pressure: Maximum: 100 psi (690kPa) Minimum: 40 psi (275kPa)
4. pH 2 to 11
5. Maximum Iron present in incoming water supply must be less than 0.2 ppm.
6. Hardness of more than 10 grains per gallon (170 ppm) may reduce RO membrane life expectancy.
7. Recommend TDS (Total Dissolved Solids) not to exceed 1800 ppm.

This system has been tested 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 limit for water leaving the system as specified in NSF/ANSI 58. 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 0.05 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 chloramine (combined chlorine) is not sufficient to ensure complete conversion of trivalent arsenic to pentavalent arsenic, Please see the Arsenic Facts section of the Performance Data Sheet for further information.



| | | % Reduction | Inf. challenge concentration mg/L | Max Allowable concentration mg/L |
|-----------------------|-------------------|-----------------------------------|--|---|
| Arsenic (Pentavalent) | | 97.6% | 0.05±10% | 0.010 mg/L |
| Barium Reduction | | 96.6% | 10.0±10% | 2.0 |
| Cadmium Reduction | | 98.7% | 0.03±10% | 0.005 |
| Chromium (Hexavalent) | | 96.4% | 0.3±10% | 0.1 |
| Chromium (Trivalent) | | 98.5% | 0.3±10% | 0.1 |
| Copper Reduction | | 99.3% | 3.0±10% | 1.3 |
| Cysts | | >99.99% | minimum 50,000/mL | N/A |
| Fluoride Reduction | | 94.5% | 8.0±10% | 1.5 |
| Lead Reduction | | 99.0% | 0.15±10% | 0.010 |
| Radium 226/228 | | 80.0% | 25pCiL±10% | 5pCiL |
| Selenium | | 97.3% | 0.10±10% | 0.05 |
| TDS | | SEE BELOW | 750±40mg/L | 187 |
| Turbidity | | 99.1% | 11±1NTU | 0.5NTU |
| TLRO4H50T | Recovery - 31.21% | Daily Production Rate - 21.60 GPD | Efficiency - 18.63% | TDS - 94.9% |
| TLRO4H75T | Recovery - 34.09% | Daily Production Rate - 27.17 GPD | Efficiency - 21.69% | TDS - 95.9% |

Depending on water chemistry, water temperature, and water pressure, Paragon Water Systems production and performance will vary. 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 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. There is an average of 4 gallons of reject water for every 1 gallon of product water produced.