



6-Stage Reverse Osmosis Drinking Water System Contaminant Reductions

| | Influent Challenge Concentration | Maximum Allowable Concentration | Actual Minimum % Reduction | Average Percent Reduction |
|-------------------------------------|----------------------------------|---------------------------------|----------------------------|---------------------------|
| Arsenic (pentavalent) | 50 ppb | 10 ppb | 98.1 | 99.0 |
| Barium | 10.0 mg/L ± 10% | 2.0 mg/L | 95.0 | 98.8 |
| Cadmium | 0.03 mg/L ± 10% | 0.005 mg/L | 94.0 | 98.3 |
| Chromium 6 (Hexavalent) | 0.3 mg/L ± 10% | 0.1 mg/L | 95.5 | 98.3 |
| Chromium 3 (Trivalent) | 0.3 mg/L ± 10% | 0.1 mg/L | 98.4 | 99.0 |
| Copper | 3.0 mg/L ± 10% | 1.3 mg/L | 95.0 | 98.4 |
| Cysts | Min 50,000/mL | 110 counts/mL | >99.99 | >99.99 |
| Fluoride | 8.0 mL ± 10% | 1.5 mL | 87.0 | 93.8 |
| Lead | 0.15 mL ± 25% | 0.010 mL | 90.4 | 96.8 |
| Radium 226/228 | 25 pCi/L ± 10% | 5 pCi/L | 95.0 | 98.8 |
| Selenium | 0.10 mg/L ± 10% | 0.05 mg/L | 94.4 | 97.9 |
| Turbidity | 11 ± 1 NTU | 0.5 NTU | 96.4 | 98.7 |
| TDS (Total Dissolved Solids) | 740 mL | 187 mL | 86.6 | 93.1 |



Stage 1: Sediment pre filter to remove dirt, silt, and suspended solids

Stage 2: Granular activated carbon (GAC) to remove chlorine taste and odor

Stage 3: 50 gallon-per-day membrane to remove salts, heavy metals and other impurities

Stage 4: Granular activated carbon (GAC) to polish the water

Stage 5: Inline charcoal filter to enhance the taste of the water

Stage 6: Inline remineralization filter to add back beneficial minerals

HOW IT WORKS

