



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 \pm 10%	2.0 mg/L	95.0	98.8
Cadmium	0.03 mg/L \pm 10%	0.005 mg/L	94.0	98.3
Chromium 6 (Hexavalent)	0.3 mg/L \pm 10%	0.1 mg/L	95.5	98.3
Chromium 3 (Trivalent)	0.3 mg/L \pm 10%	0.1 mg/L	98.4	99.0
Copper	3.0 mg/L \pm 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 \pm 10%	1.5 mL	87.0	93.8
Lead	0.15 mL \pm 25%	0.010 mL	90.4	96.8
Radium 226/228	25 pCi/L \pm 10%	5 pCi/L	95.0	98.8
Selenium	0.10 mg/L \pm 10%	0.05 mg/L	94.4	97.9
Turbidity	11 \pm 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

