

## 12-Stage Water Purification System

**Stage 1**: **Ion Exchange** – Removes Metals, radiation.

**Stage 2**: **Granular Activated Carbon Filter** – Removes chemicals such as chlorine.

**Stage 3**: **Sediment Filter** – One Micron filter, removes all sediments from water.

**Stage 4**: **200PSI Booster Pump** – Pressurizes water to pass through reverse osmosis membrane.

**Stage 5:** Reverse Osmosis (RO) Membrane Filtration – Removes sales and other impurities from water. This step reduces inorganic contaminants and some radioactive materials.

**Stage 6: Ozone Re-Pressure Pump** – Pulls water away from FDA approved polyethylene holding tank and pressurizes for remaining stages.

**Stage 7: Ozone Generator** – Ozone is the fastest and most thorough disinfection available for water, leaving no harmful residue.

**Stage 8: Ozone Mixing Tank** – Allows a thorough mixing of ozone into the water.

**Stage 9: Re-Pressure Pump** – Pulls ozone treated water from the holding tank to pressurize the water.

**Stage 10: Post GAC Filtration** – The post carbon filtration takes place to take out remaining tastes or odors.

**Stage 11: Post Sediment filtration** – One Micron filter, pick up residuals that water may contain.

**Stage 12: Ultraviolet Disinfection** – secondary disinfection and protects the pressure tank from ozone. Ultraviolet light destroys biological contaminants and inactivates viruses and bacteria.

