

## How Our System Works

City \*potable water (source) enters the system with \*TDS from 120- to over 300ppm

**First stage** of the filtering process is a large carbon tank. This reduces most of the chlorine and larger foreign particles and other chemicals that may be associated with the city water

**Second stage** is a dual softening tank system that removes the hardness from the water so elements like calcium, magnesium, manganese, iron and sediment don't gum up the fine filtering elements that follow.

**Third stage** is a large 20" (5 micron) sediment filter to catch any turbidity (fine sand/sediment)

**Fourth stage** is dual R/O (reverse osmosis) membrane

This is the "granddaddy" of filters because it rejects most anything that doesn't belong in pure water like...

- mercury, arsenic, lead, nickel, etc.
  - nitrates, chlorides, sulfate, iron etc.
  - formaldehyde, dyes, bacteria, viruses, etc
- ...and much more

**Fifth stage** is a special filter that does the final cleaning and leaves the water with a smooth, clean taste

**Sixth stage** is ultraviolet sterilizer that kills 99.9% of any bacteria that may have snuck through from city water

**Seventh stage** has "mini" filters on each faucet of the fill station

The end result is... *Superior Quality Drinking Water with a Fresh, Clean Great taste*, the quality and taste our customers expect and enjoy!



\*The TDS (total dissolved solids) in city water can range from 120ppm (parts per million) to over 300ppm.

The TDS can be hardness or other contaminants.

(TDS after our system is less than 1ppm and that comes from minerals retained for taste).

\*The term potable water is "water that is clean enough for human consumption".

**BUT**

Due to the inconsistencies in the quality of the source water that the local municipality provides, makes it each individual's choice if "tap water" is suitable for human consumption.

Remembering that "tap water" quality is influenced by the weather, season / temperature, earth shifts, population, hydrological cycles and the chemicals like chlorine or chloramines added to the city drinking water supply as a disinfectant.