



*Eco-friendly wastewater reclamation & treatment systems since 1988*

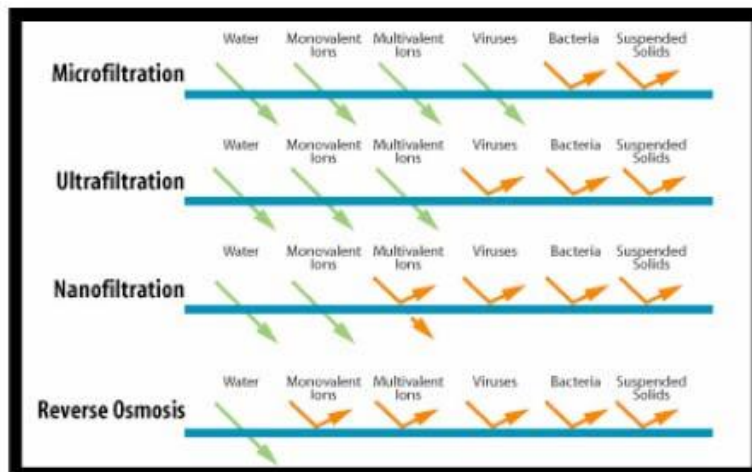
## AquaTex™ RO

**Wastewater Resources Inc. (WRI)** – WRI is an original equipment manufacturer of proprietary and patented wastewater reclamation and treatment systems for a variety of complex water applications. WRI manufactures two advanced water purification plants for the municipal water and wastewater market: AquaTex™ Ultra and **AquaTex™ RO**. To service its public and private clients, WRI offers AquaTex™ RO for producing potable water.

**Business Case** – AquaTex™ RO is an advanced water purification (AWP) plant for treating and disinfecting feedwater to produce drinking water. Whether a resort, masterplanned community, military base, or municipality, AquaTex™ RO is compact, versatile, automated and affordable.

**Technology** – AquaTex™ RO uses a three-stage treatment process: prefiltration, reverse osmosis (RO), and ultraviolet treatment to completely disinfect the feedwater and generate potable water.

The reclamation process begins by first collecting the feedwater and passing it through a 10-micron vibrating shaker screen and 5-micron tubular backwash filters for loose particle separation. The number of additional backwash filters is dependent on the size and content of the wastestream. The filtrate then flows through the RO membrane to reduce particles to a 0.0001 micron level. The final stage is complete disinfection in a ultraviolet chamber. **After water passes through a reverse osmosis filter, it is essentially pure water.** The treated water is suitable for human consumption.



### WRI's Municipal Products:

- AquaTex™ Ultra
- AquaTex™ RO

*AquaTex™ RO treats and disinfects feedwater to produce potable water.*

*AquaTex™ RO built for the City of Scottsdale in conjunction with Black & Veatch*

*AquaTex™ RO uses a three-step treatment process that produces water suitable for drinking.*

*Reverse osmosis filters down to 0.0001 microns.*

**Benefits** – Benefits derived from AquaTex™ Ultra are numerous:

- Versatile advanced water purification plant
- Rugged modular skid-mounted stainless steel construction
- Fully automated with user-friendly color interface
- High-quality effluent to meet the most stringent standards
- Low operations and maintenance costs and
- Reduces environmental degradation.



**Sustainable Community Utility Solutions** –

WRI also offers Sustainable Community Utility Solutions (SUCS) in conjunction with energy partners such as Black & Veatch and Chevron Energy Solutions. A SCUS is a distributed water and power system that supplies water, sewer, and energy services to a community using the best available renewable technologies and processes. A community may be a municipality, business, industry, or military

base. SUCS is the wave of the future in the utility service industry, and AquaTex™ Ultra and RO are WRI's renewable water solutions.

**Automated Controls** – Every automated system that WRI manufactures comes equipped with a state-of-the-art control panel with the latest Allen Bradley PLC technology that offers user-friendly color touch screen programming, computer monitoring, and full reach-back capabilities to the corporate office. Whether wastewater streams are from gas wells, manufacturing plants, or cruise ships, WRI lead the industry in system automation technologies. At its manufacturing facility in Scottsdale, the Systems Automation Group builds control panels, installs wiring and electronic components, writes custom software, and prepares operating and training manuals for its clients.



*AquaTex™ RO is versatile, rugged, automated and affordable.*

*AquaTex™ RO is one of WRI's offerings for Sustainable Community Utility Solutions.*

*AquaTex™ RO groundwater demineralization unit (2 million GPD) in Hawaii*

*AquaTex™ Ultra is equipped with automated controls, user interface and remote monitoring capabilities.*

*AquaTex™ Ultra control panel*

*Wastewater Resources:  
Keeping our waters clean.*

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