

J M A R K S Y S T E M S

Industrial Reverse Osmosis Solutions

March 2023

J. Mark Advantages

- Guaranteed System Performance
 - In-house manufacturing and QC
 - 24/7 Remote Monitoring
 - Data Logging and Reporting
- Modularized Systems
 - On-time Delivery
 - Quick Install and Start-up
- One-stop Shop for all industrial water needs
- In-house financing and equipment leasing available

RO Systems



WTRBOX RO Systems - Specs

J Mark offers both High Purity Water RO Systems and Water Softening RO Systems under our WTRBOX brand. RO Systems are available for purchase and as rentals.

Highlights:

- 40 years of experience
- Robust design for performance, durability, and reliability in industrial applications
- Fully Integrated System with controls monitoring.
- Equipped with WTRBOX proprietary remote monitoring and controls capability
- Shipped ready for install and start-up with minimal labor
- Up to 90% recovery
- Purification up to 3-10 microsiemens
- Integrated cleaning
- UL approval available
- Made in the USA
- No pre-softening required
- Standard sizes: 2-25 gpm, 25-50 gpm, 50-100 gpm, 100-400 gpm

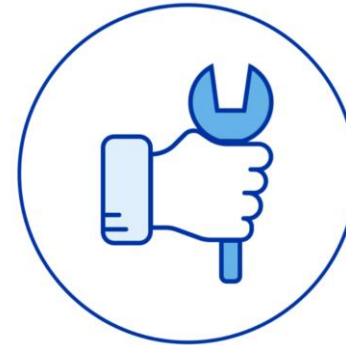
Options:

- Carbon filtration
- Feed Water Tank and Pump
- Water Storage Tank and Pump
- UV disinfection

WTRBox RO Systems - Applications

Industries & Applications:

- Aerospace
- Spotless carwash systems
- Metal Finishing
- Laboratories
- Electronics
- Automotive
- Petrochemical
- Food & beverage
- Pharmaceuticals
- Mining
- Textile
- Power generation
- Rinse water
- Boiler feedwater
- Cooling towers
- Plating operations



Case Study – High Purity Process Water



The Problem: Electric vehicle manufacturer required significant quantities of high purity water for paint line rinse stations.

J Mark Solution: Complete reverse osmosis system

Case Study - Rivian

Project Specs:

- 150 gpm reverse osmosis system for high purity (<10 ms) water.
- Temperature, ph, flow and conductivity control
- 14,000 gallon storage tanks with continuous level monitoring



Case Study – Cooling Tower Makeup Water



The Problem: Excessive Hardness Concentration in City Water Supplying Tower Makeup.

J Mark Solution: Complete reverse osmosis system with Softening Membranes.

Case Study - Apel

Project Specs:

- 30 gpm conditioned water (200-350 ms)
- 75% total system recovery
- 450 lbs/day softener salt savings over ion exchange softening

