

# HERO6000 All-in-One RO System

## Plug'n'Play Ultra-high Recovery Solution

### Features

Ultra-High Recovery (80%+) | Compact Footprint | Smart Monitoring

The HERO-6000 is a revolutionary, patented light industrial RO system, delivering a minimum 80% recovery rate—one of the highest in its class. Its innovative design ensures peak performance with a minimal footprint, featuring:

- **Automatic Permeate Pulse Flush –**  
Replaces constant concentrate flow, reducing waste and improving efficiency.
- **Exclusive 4040 Membranes –**  
Highest permeate flow rate (5,000 GPD) on the market.
- **Compact Pretreatment Integration –**  
Includes sedimentation, dechlorination, and Avista antiscalant on a single skid, reducing space requirements.
- **Optional Oasis WiFi RO Controller –** Enables real-time and historical performance monitoring via smartphone or computer.



HERO6000 is ideal for light industrial applications requiring high-efficiency, space-saving, and smart-connected water treatment.

### Specification

HERO-6000			
Feed Water TDS	< 1500 ppm (mg/l)	Feed Connection	¾" NPT
Recovery Rate*	80%	Permeate Outlet	½" Tube
Vessel Array	1-1	Drain Outlet	¾" NPT
Vessel Size	4040 x 2	Pump Type & Motor HP	Multistage 2.5HP
Permeate Flow Rate	22.0 LPM / 5.8 GPM	Gross Dimension (cm)	88 * 105 * 171
RO Membrane	Rotek XL-4040 * 2	Gross Weight	147 KG

\* The HERO system recovery rate is calculated based on the volume of flush water discharged. Recovery% = Permeate Flow / Total Water Consumption.

## Conventional RO vs. HERO-6000: A New Standard in Efficiency



Traditional commercial RO systems require extensive pretreatment – including sand filters, carbon filters, and water softeners – resulting in large, cumbersome installations. In contrast, the HERO-6000's revolutionary high-recovery design (80 %+ ) minimizes pretreatment needs while delivering superior performance. This engineering breakthrough achieves a remarkably compact footprint – up to 40% smaller than conventional systems – without compromising water quality or production capacity.

## Smart Monitoring for Unmatched Reliability

While most commercial RO systems lack real-time monitoring capabilities, the HERO-6000's optional Oasis WiFi RO Controller provides:

- 24/7 cloud-based performance tracking with minute-by-minute data logging.
- Automated alerts for consumable replacements and maintenance needs
- Remote access via smartphone or computer for complete system oversight
- Predictive maintenance features that extend membrane life by up to 30%



This intelligent monitoring system transforms maintenance from reactive to predictive, significantly reducing downtime and operational costs while maximizing system lifespan and ROI.