



HERO-6000 High Recovery RO System (Packaged)

HERO-6000 is a patented and revolutionary piece of light industrial RO system that operates at a minimum **80% recovery rate**. It is one of the first kinds in the market that has 4 major unique features that allow the system to operate at its best performance and minimum footprint.

- Instead of having a constant flow of concentrated water, the system is designed with an automatic **Permeate Pulse Flush**
- It is equipped with **exclusively made 4040 membranes** which have the highest permeate flow rate (5000GPD) on the market
- Due to the high recovery rate design, the need for pre-treatment size has also been reduced. Sedimentation, dechlorination and superior quality of Avista antiscalant are included on the same system skid resulting with a **Compact System Footprint**.
- HERO-6000 can also be equipped with **Oasis Wifi RO Controller** that enables users to monitor historical data of RO system operations via smartphones or computers.

What is Permeate Pulse Flush?

Conventional RO involves a steady flow and stable salt concentration during its continuous and uninterrupted production cycle. Which allows organic and inorganic matters to have stable condition to develop foulants on the membrane surface over a period of time.

Permeate Pulse Flush basically opens brine solenoid valve for a short period of time to discharge highly concentrated water when its saturation reaches the level of antiscalants effective limitation. RO permeate water enters the system during pulse flush, which enhances its flush efficiency to recover the membrane to a fresh new state. This process will repeat over and over again to ensure the longer life-span of the membrane and also reduce waste discharge.





Conventional RO Design VS HERO-6000



Conventional commercial RO systems use sand, carbon and softener as pre-treatment that make overall system footprint larger, while with HERO6000 high recovery system design that allows smaller capacity of pretreatment design in order to keep system size at its smallest.

Oasis Wifi RO Controller gives customers peace of mind

Most of the commercial RO systems on the market don't real time data log that helps to keep track of when will be the best time for consumable replacements or trouble shootings. HERO6000 can be Equipped with Oasis Wifi RO Controller that helps to keep the system Operating parameters in every minute on the cloud (internet), and Sending consumable replacements reminders to your email or mobile app. It is the most crucial feature to ensure a longer system life span.



HERO 6000 Specifications

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

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