# RIV-4000

## Light Commercial Reverse Osmosis Systems


- 4,000 gallons per day in water saving Green by Design® configuration.
- Low energy, high flow membranes.
- Automated filtered water blending for customized product water TDS levels.
- Microprocess Controls - Preset delay on startup, pressure inputs, tank full, inlet valves, power.
- Integrated TDS monitor measures product water quality.
- Prefilters - One sediment and two Green Carbon block filters.
- Flowmeters - Product, brine and recirculation meters monitor system performance.
- Gauges - Stainless steel, glycerin filled gauges for prefilter inlet/outlet and vessel inlet/outlet.
- Valves - Brine, recirculation and fast-flush valves for optimal system performance.
- California AB1953 compliant.
- Manufactured in USA.

**Applications**

- Restaurants
- Commercial food preparation
- Drinking water, water vending
- Laboratory process
- Greenhouses, hydroponics
- Misting systems

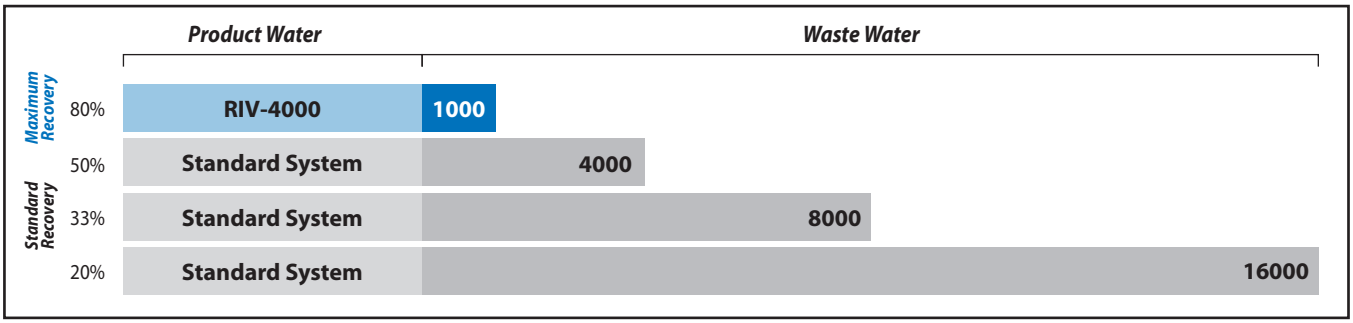
Nimbus WATER SYSTEMS

**Nimbus Water Systems**
41840-A McAlby Court • Murrieta, CA 92562
800-451-9343 • FAX 951-894-2801 • www.nimbuswater.com

# RIV-4000

Light Commercial
Reverse Osmosis System

## RIV-4000 SYSTEM REDUCES OVERALL WATER USAGE




The RIV-4000 uses a water-saving system Green by Design® configuration to reduce the amount of waste water generated by the reverse osmosis process. Compared to a standard RO design, the RIV-4000 saves thousands of gallons of water per day, reducing incoming water fees as well as waste water discharge.

## SYSTEM SPECIFICATIONS

| | |
|---|---|
| **Model Number** | RIV-4000 |
| **Production Rate (gpd)**[1] | 4000 |
| **Number of Membranes** | 2 |
| **Product-to-Waste Ratio** | 4 : 1 |
| **Electrical Supply** | 110v/220v, 60Hz, 1 Ph, 7.5/15A |
| **Motor Rating** | 1½ HP |
| **Pump** | 16 gpm |
| **Prefilter** | (1) 20" Sediment<br>(2) 20" *Green Carbon* blocks |
| **Dimensions** | 27"W x 24"D x 56"H |
| **Weight (lbs)** | 225 |

[1]Based on membrane performance after 24 hours, with softened water, 77°F (25°C), 500 ppm TDS, 120 psig, <3 grains hardness and 80% recovery. Membrane performance may vary ±15%.

## OPERATING SPECIFICATIONS

| | |
|---|---|
| **Feed Water** | Softened Municipal |
| **Feed Pressure** | 15-80 psi |
| **Max Operating Pressure** | 150 psi |
| **Max Temperature** | 100°F |
| **Max Chlorine (continuous)** | <1.0 ppm |
| **Max Total Dissolved Solids** | 1,000 ppm |
| **Max Hardness** | <3 grains |
| **Max Recovery** | 80% |
| **pH Range** | 3-10 |
| **pH Range (optimum)** | 5-8 |
| **Silt Density Index** | <5 SDI |
| **Turbidity** | <1 NTU |
| **Iron, Manganese, Hydrogen Sulfide** | 0 ppm |


### System Upgrades

- Product Water Membrane Flush
- Softener
- Chemical injection
- Remote bypass box
- Repressurizer
- Postfiltration
- Product storage tank

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