

O'MEGA2 - REVERSE OSMOSIS SYSTEM - 500 GPD @ 77°F



Standard features

Model	O'MEGA2	Design	Vertical
Liters/day (GPD)	2 000 @ 25°C (500 @ 77°F)	Dimensions mm (approx)	360 x 510 x 686
Weight	65 Lbs	Concentrate Re-circulate	Optional
Auto Flush	N/A	Element Size (in.)	25x21 TFC HF1
Elements (Qty)	2	Motor HP	1/3
Voltage	220 or 110	Hertz	50 or 60
Feed connection	3/4"	Product connection	3/8"
Waste connection	3/8"	HydroBlend	Optional

System specifications

- **Membrane:** Two 2.5" x 21" TFC HF1 Membranes - For maximum rejection of impurities and high flow.
- **Membrane Housing:** Two 2.5" x 21" Champ Membrane Housings - Features a patented design and requires no tools when servicing.
- **Pump:** One 401 Fluid-O-Tech® 2.3 GPM Brass Rotary Vane Pump - Directly couples to the motor and is designed for continuous high pressures.
- **Motor:** One 1/3 HP Motor 110 or 220 Volt 50 or 60 Hertz.
- **Frame:** One Aluminum White Powder Coated - Corrosion resistant and light weight.
- **Sediment Filter:** One 4.5" x 10" Big White 5 Micron Sediment Filter - Removes sediments and protects the system.
- **Carbon Block:** One 4.5" x 10" Big White 10 Micron Carbon Block - Removes Chlorine, odor, and taste from incoming feed water.
- **Filter Housing:** Two 4.5" x 10" Big Grey Double O-Ring Filter Housings - Offers durability and improved sealing capabilities.
- **Pressure Gauges:** One 2.5" 0-300 PSI Panel Mount Glycerin Filled Gauge and Two 1.5" 0-160 Top Mount Dry Gauges - For monitoring the system's operating pressure and the filter & carbon operating pressure.
- **Low Pressure Switch:** One McCanns® Low Pressure Switch - Safety device to protect the pump from running dry when there is insufficient feed water pressure.
- **Solenoid Valve:** One Solenoid Valve with Manual Override 110 or 220 Volt 50 or 60 Hertz - Assists with the on/off functionality of the system.
- **Manual Flush Valve:** One 1/4", Brass Needle Valve - Regulates the product to waste ratio (system's recovery).
- **Switch:** One Manual On and Off Switch.
- **Easy Maintenance & Operation:** O'MEGA reverse osmosis systems feature a compact design and have all of their components strategically located for easy access and inspection.



System operating specifications

Minimum Feed Pressure	2.5 bars (35 psi)	Operating pressure	11 bars (150 psi)
Minimum Feed	6 liters / mn (1.5 GPM)	Maximum Feed	12 liters / mn (3 GPM)
TDS Maxi	2 000 ppm	Maximum hardness	10°F (15 grains per US Gallon)
Rejet Nominal NaCl	98.5%	Minimum NaCl Rejection	96%
pH Range	3-11	Maximum Temperature	37°C (105° F)

Optional features

- **Stainless Steel Housings.**
- **High Pressure Switch:** One Square D® High Pressure Switch.
- **TDS Meter:** One Panel Mount TDS Meter.
- **Float Switch:** One Mechanical Float Switch - For atmospheric storage tank applications.
- **Flow Meters:** One Product (0-2 GPM) & One Waste (0-5 GPM) Flow Meters.
- **Concentrate Re-Circulate:** This feature offers a higher recovery rate for the system by taking a % of the waste water and feeding it back into the system.