

## Maverick Multi-Use Light Duty Reverse Osmosis

Built for serious performance, the Maverick RO System combines professional-grade components with intuitive operation and a compact footprint. Designed for city water treatment, this skid-mounted system delivers reliable, efficient, and service-friendly operation—ready to install straight out of the box.

### KEY BENEFITS

- **Ready for Immediate Delivery** – Ships pre assembled and pre-tested to reduce installation time
- **Compact Design** – Fits tight spaces without compromising performance
- **Lower Lifetime Cost** – Built to last with durable components and efficient water recovery
- **Peace of Mind** – Backed by a 5-Year Limited Warranty and assembled in the U.S.A.

### FEATURES

- **High-Efficiency Reverse Osmosis Membranes**  
Delivers up to 750 GPD subject to water quality and configuration
- **Quick Connect Fittings** – For simple installation, made with high quality materials
- **Flexible Storage Tank Options** – Water storage tanks available from 14 gallons to 120 gallons
- **High Pressure Switch** – Automatically shuts the system down when tank fills
- **Professional Grade Diaphragm Pump** – Commerce-grade pressure and flow in a quiet, efficient design. (500 and 750 GPD Systems only)
- **Floor Mount or Wall Mount** – Compact and efficient, adapts to your install location.
- **Fully Customizable** – Easily adapts to unique water chemistry and demands.
- **Modular Steel Frame** – Black powder coated, corrosion-resistant, and pre drilled for accessory mounting
- **Double O-Ring Pre-Filters** – 5 micron sediment filter and carbon filters ensure system is protected
- **Open Frame Design** – All components are accessible from all sides for easy and efficient service and maintenance.



## SPECIFICATIONS TABLE

Models	220-MAV-200	220-MAV-350	220-MAV-500	220-MAV-750
Configuration	Single Pass	Single Pass	Single Pass	Single Pass
Feed Water Source	City	City	City	City
Standard Recovery Rate	40%	53%	62%	75%
Vessel Array	1:1	1	1	1:1
Vessel Quantity	2	1	1	2
Nominal Salt Rejection %	98.5	98.5	98.5	98.5
Permeate Flow* gpm (lpm)	0.14	0.24	0.35	0.69
Min Feed Flow gpm (lpm)	0.35	0.45	0.56	0.9
Max Feed Flow gpm (lpm)	0.5	0.75	1	1.25
Max Concentrate Flow gpm (lpm)	0.21/0.80	0.21/0.80	0.21/0.80	0.21/0.80
Pump Type	N/A	N/A	Diaphragm	Diaphragm
Feed Water Connection	3/8" Tubing	3/8" Tubing	3/8" Tubing	3/8" Tubing
Permeate Connection	3/8" Tubing	3/8" Tubing	3/8" Tubing	3/8" Tubing
Concentrate Connection	3/8" Tubing	3/8" Tubing	3/8" Tubing	3/8" Tubing
Voltage	N/A	N/A	110V 60Hz 1PH	110V 60Hz 1PH
Voltage Amp Draw	N/A	N/A	5.7 Amps	5.7 Amps
Membrane Quantity	2	1	1	2
Membrane Size	1.8" x 12" (1812)	3" x 12" (3012)	3" x 12" (3012)	3" x 12" (3012)
L x W x H Inch	7 x 18 x 34	7 x 18 x 31	7 x 23 x 31	7 x 23 x 36
Weight (lbs)	20	29	38	44

### Performance Testing Conditions:

Performance data is based on testing with municipal feedwater that is dechlorinated, filtered to 5 microns, and contains approximately 550 ppm TDS. Operating conditions included a feed pressure of 65 psi (4.5 bar), system pressure of 100 psi (6.9 bar), water temperature of 77°F (25°C), pH of 7.0, and recovery rate as specified. Measurements were taken after 60 minutes of continuous operation.

A. System output and recovery rates are heavily influenced by water temperature and feedwater chemistry. Lower temperatures or elevated TDS levels can significantly reduce performance. Custom system projections are required for applications outside the normal operating range.

B. Flow rates and recovery estimates are valid only under the conditions specified above. Do not exceed the rated permeate flow to avoid damage or premature wear.

C. Power draw may vary based on the specific motor supplied.

D. Dimensions shown are system only and do not account for required clearance for installation or maintenance.

## OPERATING LIMITATIONS

Max/Min Temperature °F (°C)	105 (40.96) / 40 (4.44)
Max/Min Ambient Temperature °F (°C)	120 (48.89) / 35 (1.66)
Max/Min Feed Pressure psi (bar)	85 (5.86) / 35 (2.41)
Maximum Operating Pressure psi (bar)	150 (10.34)
Maximum SDI Rating	< 3
Maximum Turbidity NTU	1
Maximum Free Chlorine ppm	0
Maximum TDS ppm	1000
Maximum Hardness gpg	< 1
Max/Min pH (Continuous)	11pH / 3pH