



# ***MOBILE REVERSE OSMOSIS WATER TREATMENT SYSTEMS***

*On-demand Industrial Scale  
Water Purification*

The Industrial Service Solutions Mobile Reverse Osmosis Water Treatment System delivers rapid, tailored water purification capacity for industrial and municipal applications, including:

- Plant commissioning, startups and turnarounds
- Planned or unplanned maintenance of water treatment systems
- Remote site water supply
- Operational continuity following natural disasters

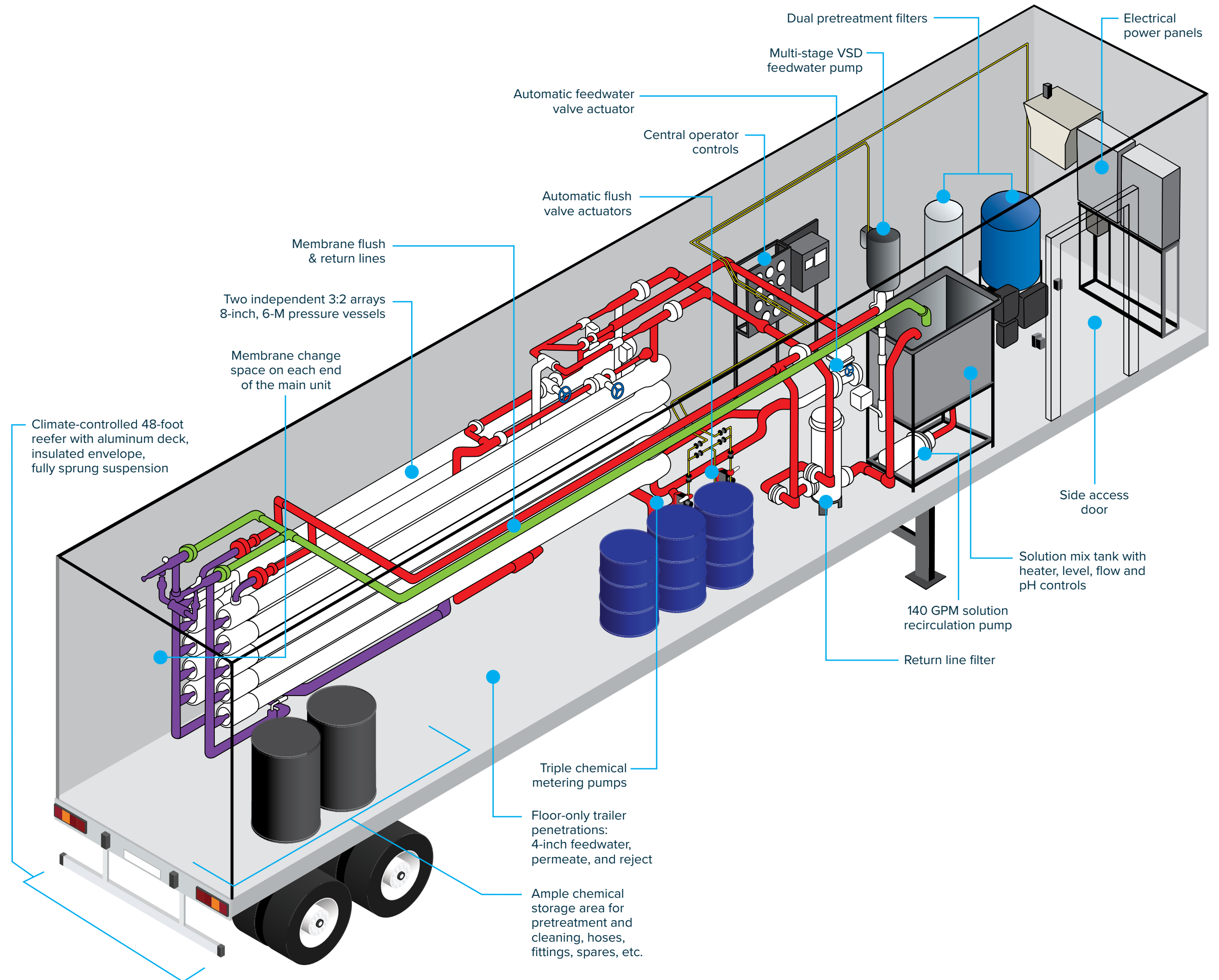
This self-contained system incorporates all filters, pumps, chemical injection ports, and control systems into a single trailer mounted unit.

The system is capable of filtering and purifying up to 400,000 gallons of water per day, with the complete system requiring no more than space on site to park a 53' tractor trailer, and 480 volt, three-phase electrical power.

- Automatic speed control of feedwater pump – run either of 2 arrays or both simultaneously
- Clean one array and stay online with the second array
- Each Mobile RO can be equipped with a Pre-inlet Ultraviolet Sterilizer Unit for feedwater disinfection and oxidation of residual chlorine, if present.

Filter membranes are customizable to meet specific treatment requirements, and ultraviolet stabilizers can be added for feedwater disinfection and oxidation of residual chlorine, if required. Pretreating and cleaning chemicals can be stored and accessed in the trailer as well, simplifying chemical handling.

The complete system is managed by the latest in PLC and HMI control technologies, reducing operational manpower requirements.

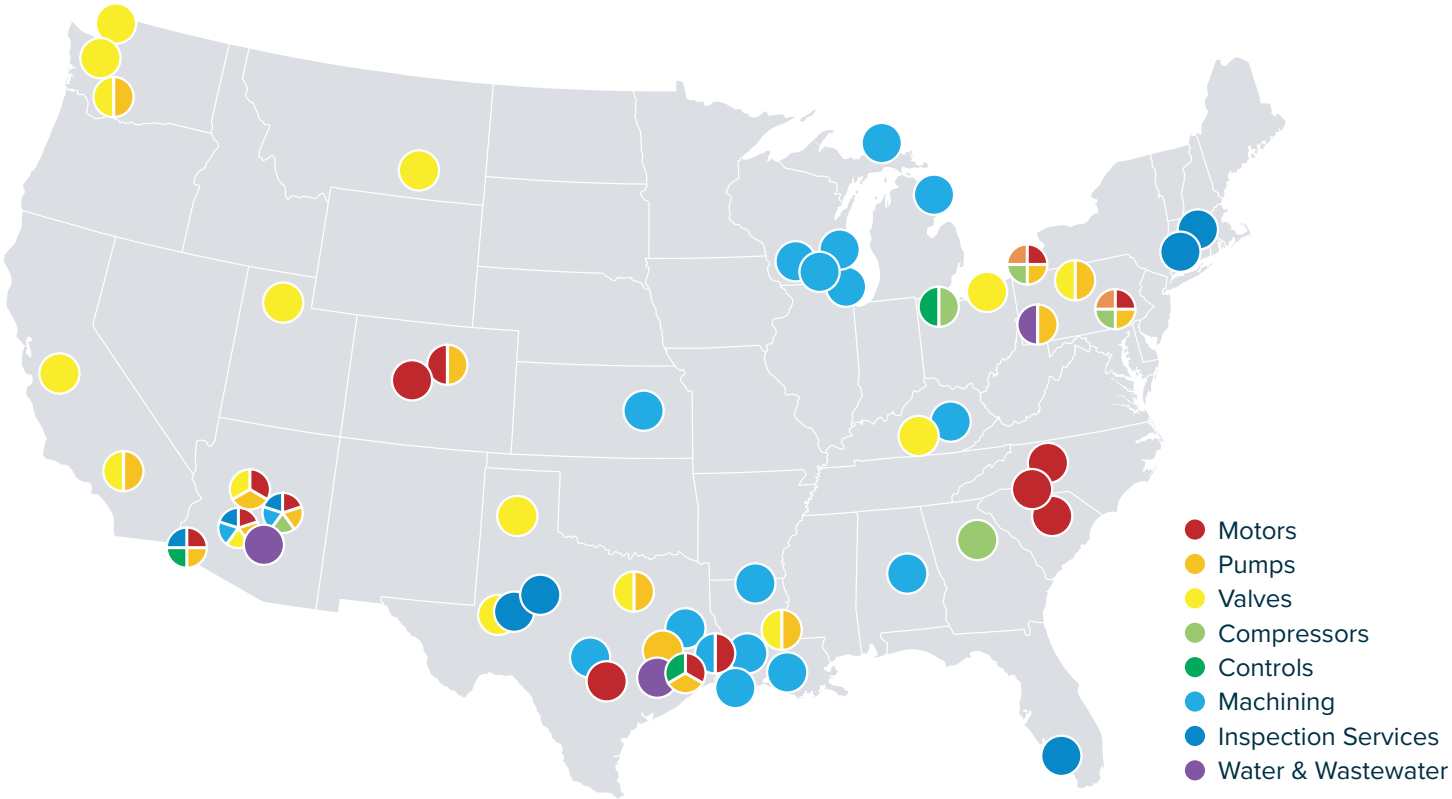


RO PERMEATE QUALITY for Typical - WESTERN USA Feedwaters									
Typical Feedwater Source	Raw Feedwater TDS, ppm	RO Feedwater pH	Raw Feedwater Silica	RO Permeate TDS, ppm	Raw Permeate pH <sup>3</sup>	Raw Permeate Silica, ppm	Raw Reject TDS, ppm	Raw Reject pH	Raw Reject Silica, ppm
Typical Western City Potable Water	600	7.7 <sup>1</sup>	20	4 <sup>1</sup>	5.9	0.38	2,500	7.8	120
Typical Southwest Groundwater	1,700	7 <sup>1</sup>	40	15 <sup>1</sup>	6.6	0.33	6,900	7.9	130
Typical Power Plant Cooling Tower Blowdown	30,00	10 <sup>2</sup>	120	160 <sup>2</sup>	9.1	48	51,500	10.2	72

1: Temperature = 75° F, no pH correction to feed, 75% recovery.  
 2: Temperature = 75° F, pH adjusted to 10 w/NaOH, 50% recovery.  
 3: Prior to adjustment, if required for destination use.

# Full Service for the Full Lifecycle

With more than 2,500 employees and 50+ locations across the United States, Industrial Service Solutions provides local knowledge with national experience. Each of our facilities is strategically positioned to support maximum quality and responsiveness for our growing customer base.



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