



Mobile Water Treatment

Culligan mobile water treatment fleet provides comprehensive multi-level water purification, monitoring and control in a single solution for peaking plants and base loaded plants. The modular system is designed for a wide variety of feed sources. The system can be operated in a rugged environment and can be installed quickly to seamlessly provide large quantities of water on demand.



Culligan Matrix Solutions flexibility encourages overall improved efficiency:

- Centralized dispatch of factory trained technicians 24/7
- Reduce energy costs and consumption with a system designed to your unique needs
- Minimize wastewater
- Minimize capital and environmental resources with a mobile solution
- Maximize production time with one of the fastest complete systems to market
- Flexible financial options - buy, rent, lease, and longer term contracts



Comprehensive Multi-Level Water Purification to help meet your needs...



Pre-treatment

Pre-treatment can help reduce scale, reduce particulates including suspend solid, sand, silt and oxidized iron, reduce turbidity, adsorb odors, neutralize acidity and reduce heavy metals.

- Clarification
- Carbon Filtration
- Multi-Media Filtration
- Softening



Reverse Osmosis

Reverse Osmosis provides an advanced level of filtration and is an effective barrier to salts, micro contaminants and organic substances, making it ideal for applications where high-purity water is needed.



Anti-Scalants and Chemicals

Some feed water conditions and operational circumstances are best addressed by a variety of chemicals and anti-scalant solutions. These solutions are designed to complement your overall water treatment solution.

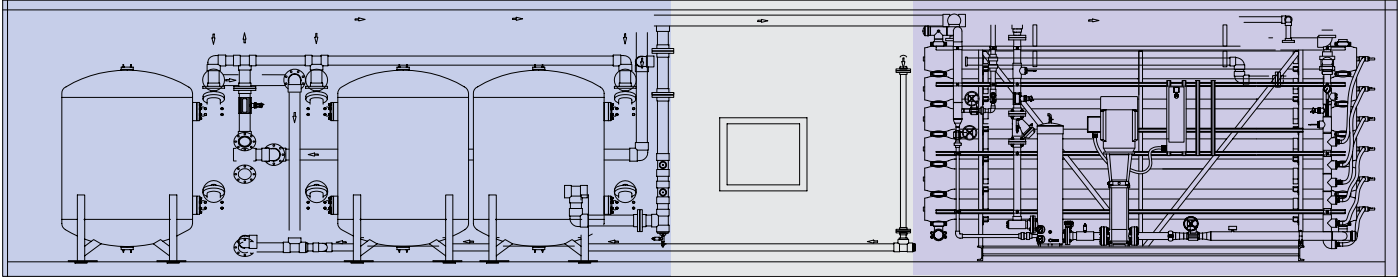


Deionization

Deionization solutions reduce total dissolved solids (TDS) from water and produces high quality multi-mega ohm water for specialized applications. Our portable exchange deionization systems deliver a constant supply of high quality water without the capital investment and reduces on-site labor and regenerant and chemical handling.



Culligan Matrix Solutions Mobile Water Treatment Systems Specifications



Equipment Specifications

Pre-treatment	
Depth Filters	Hi-Flo 50 HD-544
Carbon Filters	Optional
Softeners	Optional
Depth Filter Qty	3 systems in parallel
Depth Filter Dimensions per tank (Diameter x Height)	54" x 60"
Depth Filter Flow Rate	3 x 159 gpm @ 5 psi pressure drop per system
Depth Filter Vessels	ASME Code Steel Tanks
Tank Lining	Standard Epoxy
Internals	PVC
Face Piping	Galvanized
Valves	Normally open
Manway (Top)	Media Loading
Flow Meters	3 x Product Flow Meters
Filter Pressure Switches	3 x Pressure Switches

Controller	
PLC	Central PLC Panel
Modbus	Yes
Ethernet	Yes
Modem	Optional
Other Instrumentation	
pH ORP	pH is Optional, ORP - Yes (before RO)
Turbidity	Optional
Chlorine	Optional
Influent conductivity	Yes
Influent and effluent pressure transmitters	Yes
Influent Flow Totalizers	Yes
Anti-Scalant & Bi-Sulfite	
Anti-Scalant & Bi-Sulfite	Metering Pumps and Holding Tank (55 gal)

Reverse Osmosis	
Reverse Osmosis	G3 Plus-643
Quantity	2 systems in parallel
Dimensions (Length x Width x Height)	194" x 46" x 94"
Reverse Osmosis Housings	Fiberglass Reinforced Plastic
Module Quantity and Size	24 (8" x 40") Membranes
Nominal Capacity	2 x 100 gpm per system
Variable Frequency Drive (VFD)	Yes
Flow Meters	Feed and Product
Pressure Transducers	Inlet and Outlet
TDS	Feed and Product
Pump	Stainless Steel
Deionization	
Portable Exchange Deionization	Optional
Continuous Electro Deionization	Optional

Inlet Specifications	
Maximum Water Temperature	100 F
Minimum Water Temperature	45 F
Minimum Inlet Pressure	50 psi
Maximum Inlet Pressure	100 psi
Maximum Turbidity	5 NTU

Plumbing and Electrical Specifications	
Interconnecting Piping	Schedule 80 PVC
Pressure Regulator Inlet	Optional
Pressure Relief Valve Inlet	Optional
Inlet Pipe	Flange 4"
Inlet Quick Connection	Optional
Outlet Pipe	Flange 4"
Outlet Quick Connection	Optional
Drain Pipe	Flange 4"
Drain Quick Connection	Optional
Electrical Connection	460 VAC 200 Amps - 3 Phase

Container Specifications	*Insulated	*Uninsulated
Container Dimensions (Length x Width x Height)	48' x 8.5' x 9.5'	48' x 8.5' x 9.5'
Paint	Standard White	Thermo Paint
Floor Material	Aluminium	Wood
Floor Drain Piping	2"	2"
Ladder	Yes	Yes
Platform	Optional	Optional
Man Doors	2	2
Bard HVAC Unit	Yes, 6 Ton, 460/3 optional warm & cold containers	No
Air Conditioning	Yes	No
Heater	Feed and Product	No

*We offer both cold and warm weather designs to deliver customized containers based on your application and environment.

GLOBAL EXPERTISE WITH CUSTOMIZED LOCAL SERVICE



OVER 800 CULLIGAN DEALERS IN MORE THAN 90 COUNTRIES

Algeria	Croatia	Guatemala	Kenya	Norway	Singapore	Thailand
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Belgium	El Salvador	Indonesia	Lithuania	Poland	St. Maarten NA	Ukraine
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Culligan of Chickasha (405)224-1839

For over 75 years, Culligan has made better water. Our global network, comprised of 800+ dealers and international licensees in over 90 countries, is dedicated to addressing your water-related problems. As a worldwide leader in water treatment, our sales representatives and service technicians are familiar with the local water conditions in your area. Being global and local position us to deliver customized solutions to commercial and industrial water issues that affect your business and your bottom line.

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Culligan reserves the right to change the specifications referred to in this literature at any time, without prior notice.