

The Culligan® M2 Series Reverse Osmosis System



Excellent water quality is a smart business decision.

Culligan makes it simple to manage your water for drinking and industrial processes. The M2 Reverse Osmosis system is a flexible, expandable configuration customized to help meet your most demanding and exacting consumption needs. Manage the reverse osmosis system using an easy-to-reach electronic controller that automates when to get the quantity and quality of water based on your specific requirements.

The M2 RO is part of the Culligan Matrix Solutions™ that combine durable and efficient equipment, systems experience, and technical experts who understand your unique requirements. From planning your system to installing your water treatment equipment, Culligan Matrix Solutions offer options that help deliver the quality of water to meet your needs. Consult with a Culligan representative to create your solution.

EXAMPLES OF MARKETS SERVED:

- | | |
|---------------------------|--------------------|
| AGRICULTURE | LAUNDRY |
| ASSISTED LIVING | MANUFACTURING |
| AUTOMOTIVE | MARINE |
| BIO-PHARMACEUTICAL | MILITARY |
| BOTANICALS | MULTI-UNIT HOUSING |
| BOTTLED WATER PLANTS | MUNICIPALITIES |
| CASINOS | PLATING/COATING |
| CHEMICAL PROCESSING | PRINTING |
| COMMERCIAL BUILDINGS | PULP/PAPER |
| DAIRIES | OIL/PETROLEUM/GAS |
| EDUCATIONAL FACILITIES | TEXTILE |
| ENERGY/POWER/COGENERATION | THEME PARKS |
| ELECTRONICS | UNIVERSITIES |
| GOVERNMENT | VEHICLE WASH |
| GROCERY | |
| FOOD/BEVERAGE | |
| HEALTH CLUBS | |
| HOTELS/LODGING | |
| HOSPITALS/HEALTHCARE | |
| INK/DYE PRODUCTION | |
| LABORATORIES | |

Culligan Matrix Solutions Advantages:

- Simple System Integration
- Global Product Platform
- Flexible Configurations
- Quick Delivery/Easy Installation
- Exclusive Culligan Advanced Electronics
 - Historical Operating Data
 - Alarm Recognitions
 - US Standard and Metric Readings
 - Remote Monitoring Options
 - Telemetry Options



Pre-Treatment
Solutions



**Membrane
Solutions**



Deionization
Solutions



Storage Solutions



Distribution
Solutions

System Specifications

Specification	US	Metric
Inlet Pressure (dynamic)	20-50 psig	1.4 – 3.5 bar
Maximum Operating Pressure	120–150 psig	8.2 – 10.3 bar
Power Voltage Frequency Phase	208-230 60 Hz 1	
Feed Water Temperature	33–100° F	1-40° C
Turbidity, maximum	< 1 NTU	< 1 NTU
pH Range	3 – 11	3 – 11
Chlorine, max.: 0 mg/L	0 mg/l	0 mg/l
Total Dissolved Solids, maximum	2500 mg/l	2500 mg/l
Silt Density Index Well Water Surface Water	< 3 < 5	< 3 < 5
Iron, maximum	< 0.1 mg/l	< 0.1 mg/l
Salt Rejection, nominal	> 98 %	> 98 %
Product Water Hardness	< 1% Raw Hardness	< 1% Raw Hardness

Examples of RO Applications

- Ice Production/Drinking Water—Reduces scaling, improves taste and clarity
- Steam Production—Reduces scaling and maintenance
- Humidification—Reduces scaling and dusting
- Misting—Reduces scaling and helps extend equipment life
- Pretreatment for High Purity Systems—Reduces regeneration requirements
- Reclaim/Recycling—Water conservation
- Boiler and Cooling Towers—Improves energy, reduces chemical consumption
- Washing and Rinsing—Improves performance, spot-free rinses
- Brackish water potabilization

Standard Features

- Painted Steel Frame Design
- Energy Efficient Multi-stage Stainless Steel Pump
- FRP Membrane Housings
- Inlet Solenoid Valve
- Pretreatment Sediment Filter
- Concentrate and Recirculation Throttling Valves
- Pressure Gauges
- Electronic Turbine Style Flow Meters
- Culligan Electronic Control Panel
- Telemetric Capability
- Comprehensive System Monitoring
- Lighted Alphanumeric Display
- TDS Monitoring of Water Quality and Rejection
- Low Pressure Switch and Auto Restart
- Connection for Pretreatment Signal Switch and Level Control
- Elapsed run time monitor
- Visual Alarms
- Remote Alarm Output Connection
- System Flow Rate Monitoring
- User Selectable Flush Options

Optional Features & Accessories

- Multi-Stage Pretreatment Filters
- Wireless Remote Digital Display
- Leak Sensor
- RS232, RS485 Output
- Storage Tanks
- Level Controls
- Chemical Feed Pumps
- Ultraviolet Sterilization
- Pressurized Storage System
- Global Power Platforms
- Additional Customization Available on Request

Series M2 Reverse Osmosis System

Model	Nominal Capacity ¹ (gpm/ LPM)	Nominal Capacity ¹ (gpd/ L/day)	Module Qty & Size (in.)	Approx. Recovery (%)	Motor (HP/KW)	Power Req'd ² (VAC)	Dimensions L x W x H (inches/millimeters)
M2-2	2.8	4000	(2), 4"x40"	50	1	230V/60/1	26 x 29 x 53
	10.6	15140			0.75		660 x 737 x 1346
M2-3	4	5800	(3), 4"x40"	60	1	230V/60/1	26 x 29 x 53
	15.14	21953			0.75		660 x 737 x 1346
M2-4	5.2	7500	(4), 4"x40"	60	1	230V/60/1	26 x 29 x 53
	19.68	28388			0.75		660 x 737 x 1346
M2-5	6.3	9000	(5), 4"x40"	75	1	230V/60/1	26 x 29 x 53
	23.85	34065			0.75		660 x 737 x 1346
M2-6	6.9	10000	(6), 4"x40"	75	1	230V/60/1	26 x 29 x 53
	26.12	37850			0.75		660 x 737 x 1346

¹Nominal initial capacity based on properly pretreated feed water of 500 ppm TDS, temperature of 77° F (25° C), Silt Density Index below 3.0 and an applied pressure of 140 psi. Productivity will vary depending on other feed water conditions.

Finally, an end-to-end solution from a single source.



Place your commercial and industrial water treatment needs in the hands of a global leader.

For over 70 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.

www.culliganmatrixsolutions.com • 866-787-4293

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