



## The Culligan® G2 Series REVERSE OSMOSIS SYSTEM

Effective water treatment that is easy to manage.

Culligan® makes it simple to manage your water for drinking and industrial processes. The G2 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 G2 RO is part of the Culligan® Commercial and Industrial 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® Commercial and Industrial Solutions offer options that help deliver the quality of water to meet your needs. Consult with a Culligan® representative to create your solution.

### Markets Served:

- |                               |                        |
|-------------------------------|------------------------|
| Agriculture                   | Hospitals / Healthcare |
| Assisted Living               | Ink / Dye Production   |
| Automotive                    | Laboratories           |
| Bio-Pharmaceutical            | Laundry                |
| Botanicals                    | Manufacturing          |
| Bottled Water Plants          | Marine                 |
| Casinos                       | Military               |
| Chemical Processing           | Multi-Unit Housing     |
| Commercial Buildings          | Municipalities         |
| Dairies                       | Plating / Coating      |
| Educational Facilities        | Printing               |
| Energy / Power / Cogeneration | Pulp / Paper           |
| Electronics                   | Oil / Petroleum / Gas  |
| Government                    | Textile                |
| Grocery                       | Theme Parks            |
| Food / Beverage               | Universities           |
| Health Clubs                  | Vehicle Wash           |
| Hotels / Lodging              |                        |

### CULLIGAN® COMMERCIAL AND INDUSTRIAL 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



**MEMBRANE SOLUTIONS.**

# SYSTEM SPECIFICATIONS

Specification	US	Metric
Inlet Pressure (dynamic)	20-50 psig	1.4 – 3.5 bar
Maximum Operating Pressure	150–200 psig	10.3 – 13.8 bar
Power Voltage Frequency Phase	208-230 60 Hz 3	380-415 50 Hz 3
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, improves taste and clarity)
- 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 Meter
- Stainless Steel Pump Throttling Valve (Plus Models)
- Product Flush Solenoid Valve (Plus Models)
- Electronic Pressure Transducers (Plus Models)
- Stainless Steel Concentrate and Recirculation Valves (Plus Models)
- Culligan® Electronic Control Panel
- Telemetric Capability
- Comprehensive System Monitoring
- Lighted Alphanumeric Display
- TDS Monitoring of Water Quality and Rejection
- Low Pressure Switch & 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
- Stainless Steel Frame Design
- Polypropylene, PVDF or SS Plumbing
- Wireless Remote Digital Display
- Leak Sensor
- RS232, RS485 Output
- Storage Tanks
- Level Controls
- Distribution Pump Skids
- Post Treatment Polishing Skids
- Chemical Feed Pumps
- Ultraviolet Sterilization
- Pressurized Storage System
- Global Power Platforms
- Additional Customization Available on Request

## G2 Reverse Osmosis System - High Efficiency

Model	Nominal Capacity* (gpm / lpm)	Nominal Capacity* (gpd / m <sup>3</sup> /h)	Module Qty & Size	Approx. System Recovery (%)	Motor (HP/KW)	Electric Power Required (VAC)	Dimension L x W x H (inches/millimeters)
G2 - 2HE	2.78	4000	(2), 4"x40"	50	2	208 - 230/3/60	22 x 31 x 56
	10.52	0.63			1.49	380 - 415/3/50	560 x 787 x 1425
G2 - 3HE	4.03	5000	(3), 4"x40"	60	2	208 - 230/3/60	22 x 31 x 56
	15.25	0.91			1.49	380 - 415/3/50	560 x 787 x 1425
G2 - 4HE	5.21	7500	(4), 4"x40"	60	2	208 - 230/3/60	22 x 31 x 56
	19.72	1.18			1.49	380 - 415/3/50	560 x 787 x 1425
G2 - 5HE	6.25	9000	(5), 4"x40"	75	2	208 - 230/3/60	22 x 31 x 56
	23.66	1.42			1.49	380 - 415/3/50	560 x 787 x 1425
G2 - 6HE	6.94	10000	(6), 4"x40"	75	2	208 - 230/3/60	22 x 31 x 56
	26.29	1.58			1.49	380 - 415/3/50	560 x 787 x 1425
G2 - 7HE	9.2	13250	(7), 4"x40"	75	3	208 - 230/3/60	30.5 x 31 x 56
	34.83	2.09			2.24	380 - 415/3/50	775 x 787 x 1425
G2 - 8HE	10.42	15000	(8), 4"x40"	75	3	208 - 230/3/60	30.5 x 31 x 56
	39.43	2.37			2.24	380 - 415/3/50	775 x 787 x 1425
G2 - 9HE	11.98	17250	(9), 4"x40"	75	3	208 - 230/3/60	30.5 x 31 x 56
	45.35	2.72			2.24	380 - 415/3/50	775 x 787 x 1425
G2 - 10HE	13.19	19000	(10), 4"x40"	75	3	208 - 230/3/60	30.5 x 31 x 56
	49.95	3			2.24	380 - 415/3/50	775 x 787 x 1425

\* Nominal capacity based on new RO membranes operating on a properly pretreated feed water of 500 ppm TDS as NaCl, 77 °F (25 °C), Silt Density Index (SDI) below 3, and supplying water to atmosphere. Productivity will vary depending on the actual feed water quality and temperature.



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For over 80 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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