



*Shown with optional equipment

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	

The Culligan® G3 Series REVERSE OSMOSIS SYSTEM

No limits for water quality at any quantity.

No limits for your water quality regardless of quantity—the Culligan® G3 Reverse Osmosis system processes water to help meet your most demanding and exacting industrial requirements. The durable reverse osmosis membrane processes large volumes while reducing water waste; you can manage the system using a touch panel electronic controller. Better quality water improves industrial processes by reducing contaminants* that corrode and clog equipment, so your investment in the Culligan® G3 RO benefits your operations for years to come.

The G3 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.

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

*Contaminants may not necessarily be in your water.



MEMBRANE SOLUTIONS.

SYSTEM SPECIFICATIONS

Specification	US	Metric
Inlet Pressure (dynamic)	20-50 psig	1.4 – 3.5 bar
Maximum Operating Pressure	195–220 psig	13.4 – 15 bar
Power Voltage Frequency Phase	208-230-460 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

- Steam Production (Reduces scaling and maintenance)
- Humidification (Reduces scaling and dusting)
- 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)
- Bio-Pharmaceutical (High Quality Water)
- Heavy Industrial Manufacturing
- Power Generation / Co-Generation
- High Purity Ingredient Mixing
- Beverage and Fluid Mixing
- Cooling Tower Reuse

Standard Features

- Painted Steel Skid Design
- Energy Efficient Multi-stage Stainless Steel Pump
- Stainless Steel Pump Throttling Valve
- FRP Membrane Housings
- Inlet Solenoid Valve
- Pretreatment Sediment Filter
- Concentrate and Recirculation Throttling Valves
- Product Flush Solenoid Valve
- Electronic Pressure Transducers
- Electronic Flow Meters
- Culligan® Electronic Control Panel (PLC)
- 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 and / or Audible Alarms
- Remote Alarm Output Connection
- System Flow Rate Monitoring
- User Selectable Flush Options

Optional Features & Accessories

- Variable Frequency Drive (VFD)
- High Pressure Pumps and Membrane Housings as Required by the Application
- Multi-Stage Pretreatment Filters
- 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
- Telemetric Capability
- Chemical Feed Pumps
- Ultraviolet Sterilization
- Pressurized Storage System
- Custom Power Requirements
- Clean-in-place (CIP) System
- Additional Customization Available on Request

G3 Reverse Osmosis System

Model	Nominal Capacity* (gpm / lpm)	Nominal Capacity* (gpd / m³/h)	Module Qty & Size	Pressure Vessel Qty & Size	Nominal System Recovery (%)	Motor (HP - KW)	Electric Power Required (VAC)	Dimension L x W x H (inches - centimeters)
G3 - 222	16.7	24,000	(4), 8"x40"	(2), 8"x2L	75	7.5	460/3/60Hz	103 x 33 x 66
	63	3.8				5.6	380V/50/3	261 x 83 x 168
G3 - 232	25	36,000	(6), 8"x40"	(2) 8"x3L	75	15	460/3/60Hz	142 x 37 x 62
	95	5.7				11.19	380V/50/3	362 x 93 x 158
G3 - 333	35	50,400	(9), 8"x40"	(3), 8"x3L	75	15	460/3/60Hz	142 x 37 x 62
	132	7.9				11.19	380V/50/3	362 x 93 x 158
G3 - 433	50	72,000	(12), 8"x40"	(4), 8"x3L	75	20	460/3/60Hz	142 x 37 x 81
	189	11.4				14.92	380V/50/3	362 x 93 x 205
G3 - 533	62.5	90,000	(15), 8"x40"	(5), 8"x3L	75	25	460/3/60Hz	142 x 37 x 81
	237	14.2				18.65	380V/50/3	362 x 93 x 205
G3 - 543	84	120,960	(20), 8"x40"	(5), 8"x4L	75	30	460/3/60Hz	182 x 39 x 93
	318	19.1				22.38	380V/50/3	463 x 98 x 236
G3 - 643	100	144,000	(24), 8"x40"	(6), 8"x4L	75	40	460/3/60Hz	182 x 39 x 93
	379	22.7				29.84	380V/50/3	463 x 98 x 236
G3 - 943	150	216,000	(36), 8"x40"	(9), 8"x4L	75	50	460/3/60Hz	191 x 55 x 93
	568	34.1				37.3	380V/50/3	485 x 138 x 236
G3 - 1243	200	288,000	(48), 8"x40"	(12), 8"x4L	75	60	460/3/60Hz	191 x 55 x 93
	757	45.4				44.76	380V/50/3	485 x 138 x 236

*Nominal capacity based on new RO membranes operating on a properly pretreated feed water of 2000 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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