

Examples of Markets Served

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



The Culligan G2 Series Reverse Osmosis System

The G Series Reverse Osmosis systems are the direct result of Culligan's long time experience in membrane applications around the world. From process water for any size business to treating water for an entire city, Culligan has the knowledge and the range of products you need to get the job done.

The Culligan G2 is a painted steel skidded system sized to serve many medium sized applications that require high quality reverse osmosis water. It is designed with the flexibility to closely match your treatment requirements from 3 to 18 gallons per minute (4,000 to 25,000 gallons per day). Choose from a high efficiency or high production design with horizontal or vertical mounting of the membrane housings. A rich standard feature set with multiple options are available to satisfy virtually any application. Select the right size and choose any options needed to complete your system.

Key Product Features

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



better water. pure and simple.™

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 extends 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
- System Operating Pressure Gauge
- Electronic Turbine Style Flow Meters
- 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 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

- Multi-Stage Pretreatment Filters
- Stainless Steel Frame Design
- Polypropylene, PVDF or SS Plumbing
- Wireless Remote Digital Display
- Leak Sensor
- RS232, RS485 Output
- PLC Controller
- Storage Tanks
- Level Controls
- Distribution Pump Skids
- Post Treatment Polishing Skids
- Chemical Feed Pumps
- Ultraviolet Sterilizer Lights
- Pressurized Storage System
- Global Power Platforms
- Additional Customization Available on Request

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 | 208-230-460 60 Hz 1 or 3 | 380-415 50 Hz 1 or 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 |

*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.

Note: Membrane life dependant on site specific conditions.



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1-800-CULLIGAN

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Series G2 Reverse Osmosis System - High Efficiency

| Model | Nominal Capacity (GPM / LPM) | Nominal Capacity (GPD / m3/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 - 1.49 | 208 - 230 /3/ 60 | 22 x 31 x 56 |
| | 10.52 | 0.63 | | | 2 - 1.49 | 380 - 415/3/50 | 560 x 787 x 1425 |
| G2 - 3HE | 4.03 | 5800 | (3), 4"x40" | 60 | 2 - 1.49 | 208 - 230 /3/ 60 | 22 x 31 x 56 |
| | 15.25 | 0.91 | | | 2 - 1.49 | 380 - 415/3/50 | 560 x 787 x 1425 |
| G2 - 4HE | 5.21 | 7500 | (4), 4"x40" | 60 | 2 - 1.49 | 208 - 230/3/60 | 22 x 31 x 56 |
| | 19.72 | 1.18 | | | 2 - 1.49 | 380 - 415/3/50 | 560 x 787 x 1425 |
| G2 - 5HE | 6.25 | 9000 | (5), 4"x40" | 75 | 2 - 1.49 | 208 - 230/3/60 | 22 x 31 x 56 |
| | 23.66 | 1.42 | | | 2 - 1.49 | 380 - 415/3/50 | 560 x 787 x 1425 |
| G2 - 6HE | 6.94 | 10000 | (6), 4"x40" | 75 | 2 - 1.49 | 208 - 230 /3/ 60 | 22 x 31 x 56 |
| | 26.29 | 1.58 | | | 2 - 1.49 | 380 - 415/3/50 | 560 x 787 x 1425 |
| G2 - 7HE | 9.2 | 13250 | (7), 4"x40" | 75 | 3 - 2.24 | 208 - 230/3/60 | 30.5 x 31 x 56 |
| | 34.83 | 2.09 | | | 3 - 2.24 | 380 - 415/3/50 | 775 x 787 x 1425 |
| G2 - 8HE | 10.42 | 15000 | (8), 4"x40" | 75 | 3 - 2.24 | 208 - 230/3/60 | 30.5 x 31 x 56 |
| | 39.43 | 2.37 | | | 3 - 2.24 | 380 - 415/3/50 | 775 x 787 x 1425 |
| G2 - 9HE | 11.98 | 17250 | (9), 4"x40" | 75 | 3 - 2.24 | 208 - 230/3/60 | 30.5 x 31 x 56 |
| | 45.35 | 2.72 | | | 3 - 2.24 | 380 - 415/3/50 | 775 x 787 x 1425 |
| G2 - 10HE | 13.19 | 19000 | (10), 4"x40" | 75 | 3 - 2.24 | 208 - 230/3/60 | 30.5 x 31 x 56 |
| | 49.95 | 3 | | | 3 - 2.24 | 380 - 415/3/50 | 775 x 787 x 1425 |

Series G2 Reverse Osmosis System - High Production

| Model | Nominal Capacity (GPM / LPM) | Nominal Capacity (GPD / m3/h) | Module Qty & Size | Nominal System Recovery (%) | Motor (HP/KW) | Electric Power Req'd (VAC) | Dimension L x W x H (inches/millimeters) |
|-----------|------------------------------|-------------------------------|-------------------|-----------------------------|---------------|----------------------------|--|
| G2 - 2HP | 4.4 | 6341 | (2), 4"x40" | 75 | 3 - 2.24 | 208 - 230/3/60 | 22 x 31 x 56 |
| | 16.7 | 1 | | | 5 - 3.73 | 380 - 415/3/50 | 560 x 787 x 1425 |
| G2 - 3HP | 6.6 | 9511 | (3), 4"x40" | 75 | 5 - 3.73 | 208 - 230/3/60 | 22 x 31 x 56 |
| | 25.0 | 1.5 | | | 5 - 3.73 | 380 - 415/3/50 | 560 x 787 x 1425 |
| G2 - 4HP | 8.8 | 12682 | (4), 4"x40" | 75 | 7.5 - 5.6 | 208 - 230/3/60 | 22 x 31 x 56 |
| | 33.3 | 2 | | | 7.5 - 5.6 | 380 - 415/3/50 | 560 x 787 x 1425 |
| G2 - 5HP | 11.0 | 15852 | (5), 4"x40" | 75 | 7.5 - 5.6 | 208 - 230/3/60 | 22 x 31 x 56 |
| | 41.7 | 2.5 | | | 7.5 - 5.6 | 380 - 415/3/50 | 560 x 787 x 1425 |
| G2 - 6HP | 13.2 | 19022 | (6), 4"x40" | 75 | 7.5 - 5.6 | 208 - 230/3/60 | 22 x 31 x 56 |
| | 50.0 | 3 | | | 7.5 - 5.6 | 380 - 415/3/50 | 560 x 787 x 1425 |
| G2 - 8HP | 15.4 | 22193 | (8), 4"x40" | 70 | 7.5 - 5.6 | 208 - 230/3/60 | 30.5 x 31 x 56 |
| | 58.3 | 3.5 | | | 7.5 - 5.6 | 380 - 415/3/50 | 775 x 787 x 1425 |
| G2 - 10HP | 17.61 | 25363 | (10), 4"x40" | 70 | 7.5 - 5.6 | 208 - 230/3/60 | 30.5 x 31 x 56 |
| | 66.67 | 4 | | | 7.5 - 5.6 | 380 - 415/3/50 | 775 x 787 x 1425 |