



# Culligan® LC Series Reverse Osmosis System



## Compact Solution for Light Commercial Water Treatment

The Culligan LC Series Reverse Osmosis system is a cost-effective configuration for light commercial water treatment. The LC RO system reduces contaminants\* from your water that affect equipment efficiency, helping you meet water quality requirements while reducing maintenance costs. The space-saving wall mount installation doesn't compromise capacity or quality, and you can add features that optimize your water treatment performance.

The LC Reverse Osmosis system 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.

\*contaminants may not necessarily be in your water

### EXAMPLES OF MARKETS SERVED:

- CLINICS
- EDUCATIONAL FACILITIES
- ENERGY & POWER
- FOOD & BEVERAGE PRODUCTION
- FOOD SERVICE/RESTAURANTS
- GROCERY
- HEALTHCARE/HOSPITALS/BIO-PHARMACEUTICAL
- HOSPITALITY/LODGING
- MANUFACTURING
- MUNICIPAL DRINKING WATER
- OIL & GAS

### Culligan Matrix Solutions Advantages:

- Simple System Integration
- Global Product Platform
- Flexible Configurations
- Quick Delivery/Easy Installation



Pre-Treatment Solutions



Membrane Solutions



Deionization Solutions



Storage Solutions



Distribution Solutions

## Warranty

Culligan's LC Series Reverse Osmosis Systems are backed by a one year limited warranty against defects in material and workmanship. See printed warranty for details. Culligan will provide a copy of the warranty upon request.

## Examples of RO Applications

- Food & Beverage — Improved taste and increased cost savings
- Ice Production/Drinking Water — Reduces scaling; improves taste and clarity
- Restaurants — Improves steamer operation
- Humidification — Reduces scaling and dusting
- Grocery Stores — Prevents scaling in vegetable misters
- Horticulture — Reduces leaf spotting and mineral build up in potting soils
- Water Jet Cutting — Improves operating efficiency; helps extend orifice life

## Standard Features

- Self contained and compact for wall mounting installation
- Thin Film Composite RO membranes — reduces dissolved minerals, as well as colloids, particles, organics and silica†
- Exclusive quick change membrane housings constructed of aluminum and lined with polyethylene for corrosion resistance
- Hydraulic operation does not require electricity
- Automatic Shut-off valve — to save water when the optional pressure storage tank is full
- Cartridge prefiltration — with replaceable element to reduce suspended particles (5 microns) to help extend component life; includes integral pressure relief valve
- Waste Restrictor—A fixed flow restrictor maintains the proper recovery ratio of product-to-feed water flow
- Granular Activated Carbon — prefiltration to reduce chlorine and organics

† Do not use on water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after system.

## Optional Features & Accessories

- Booster Pump Kit — To increase feed pressure by ~40 PSI. Includes pump, transformer, pressure switch and solenoid valve
- TDS Monitor — “Press to test” indicator. Green light for good quality, red light for poor quality
- Adjustable sensitivity via dipswitch selection, battery operated
- Product Water Storage Tanks

## System Specifications

Specification	US	Metric
Inlet Pressure, minimum (dynamic) without booster pump	60 psig	414 kPa
Inlet Pressure, maximum	120 psig	828 kPa
Feed Water Temperature	33–100°F	1–38°C
Turbidity, maximum	1.0 NTU	1.0 NTU
pH Range	5–10	5–10
Free Chlorine	<0.1 ppm	<0.1 ppm
Chloramine, maximum	3 mg/L	3 mg/L
Total Dissolved Solids, maximum:	2500 mg/L	2500 mg/L
Silt Density Index, maximum:	3.0	3.0
Langlier Saturation Index, maximum:	0.0	0.0
Iron, maximum	1.0 mg/l	1.0 mg/l
Operating Weight	14–15 lbs	6–7 kgs

## LC Series Reverse Osmosis System

Model	Design Recovery % <sup>1</sup>	Automatic shut-off valve	5 micron prefilter	GAC prefilter	100* gpd 378* lpd RO Cartridge	200* gpd 757* lpd RO Cartridge
LC-1PC	30%	✓	✓	✓	✓	
LC-2PC		✓	✓	✓		✓

\*Approximate nominal capacity based on properly pretreated feed water of 600 ppm TDS as NaCl, 77° F, Silt Density Index below 3.0, and 60 psi applied pressure supplying water to atmosphere. Productivity will vary depending on the feed water conditions.

<sup>1</sup> Actual recovery will depend on feed water source, SDI, temperature and product back pressure.

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](http://www.culliganmatrixsolutions.com) • 866-787-4293

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