



LITE COMMERCIAL R.O.

The Plug & Play Modular Low Pressure R.O. System



LITE COMMERCIAL R.O. is a high

quality, lower volume reverse osmosis system that is designed to provide the features of a reverse osmosis system at a low cost with low operation cost as well. By using a low pressure membrane design it operates without the use of a high pressure pump making it very energy efficient. The water quality from the Lite Commercial R.O. is of very high quality and exceeds the quality of most bottled waters. The Lite Commercial R.O. is very user friendly and is simple to install.



It is very adaptable for many uses which include smaller scale water stores, as a profitable additional component to an existing business, whole house filtration systems, use with ice machines, restaurants, or any use that requires safe pure water.

Water Purification Process

Step 1 5 Micron Pre-filter— removes particles, sediment, and algae.

Step 2 Carbon Pre-filter—An activated carbon block filter removes chlorine, chloramine, solvents, lead, insecticides, gasses, biological contaminants, and other harmful contaminants.

Step 3 Reverse Osmosis Membranes— water is forced through semi-permeable low energy membranes allowing only pure water molecules to pass through.

Step 4 Storage Tanks— water is stored in FDA approved tanks. Storage tanks can be either pressure or atmospheric water storage tanks.

Optional Flow Processes

Post Carbon Filter— water travels through a 2.5"x20" post carbon filter polishing it for an exceptionally smooth taste.

Ultra-Violet Sterilization— water travels through a stainless steel ultra violet sterilizer eliminating 99.9% of all biological contaminants.



Features

- Ultra Low Energy Membranes; No pump needed
- 24V Shut Off Valve System
- Stainless Steel Membrane Housings
- 4.5" x 10" 5 Micron & Carbon Pre-filters
- Pre-filter In & Out Pressure Gauges
- Stainless Steel Flow Control Needle Valve
- Product & Waste Flow Meters
- System On/Off Switch
- Wall Mountable or Free Standing

Options

- Post Carbon Filtration System
- Stainless UV System
- Float Switch for Atmospheric Tank
- Delivery Pump
- Booster Pump
- TDS Meter
- Water Storage Tanks

Model	Membranes	Flow @ 70 PSI	60 PSI	50 PSI	40 PSI
LC-250	1 - 2.5x21"	250 GPD	214 GPD	178 GPD	142 GPD
LC-900	1 - 4x21"	900 GPD	771 GPD	624 GPD	514 GPD
LC-1800	2 - 4x21"	1800 GPD	1541 GPD	1284 GPD	1028 GPD

Systems are designed to operate at 70 psi @ 77F for Maximum Performance

Production rates are dependent on the incoming (city) feed water pressure.



Specifications

- Feed Water: Temperature: 77* F
Pressure: 40-70 PSI
- Tolerance: Iron: 0.5 ppm
Silica: 25ppm @ 50% recovery
pH range: 3-11
- Water Recovery— up to 50%
- Salt Rejection— 90-98%