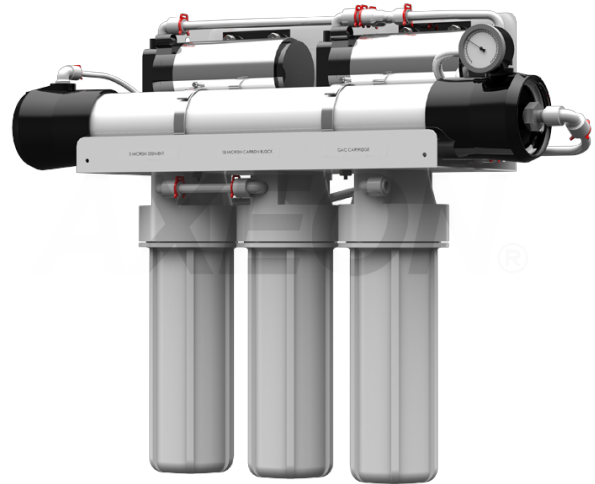


FLEXEON LT-300 Tap Water 300 GPD RO Systems

FLEXEON LT-Series Reverse Osmosis (RO) Systems are designed and manufactured for light commercial applications. These systems have been engineered for capacities ranging from 200-300 gallons per day and for municipal water supplies. FLEXEON LT-Series RO Systems come pre-assembled, fully tested, preserved and sanitized and only require simple utility connections once on site. Systems come ready for immediate on-line service and minimal set up. The simple, high quality and proven design of FLEXEON LT-Series RO Systems have made these systems become known as turn-key, cost effective and reliable water purification systems.

FLEXEON LT-Series Reverse Osmosis Systems are designed for overall performance, minimal energy consumption and offer great savings with low maintenance and operation costs. These systems feature a space saving wall mount design, exceptional pre-filtration, quality components and allow for many options and upgrades to suit most applications. FLEXEON LT-Series Reverse Osmosis Systems have been engineered for capacities ranging from 200 - 300 gallons per day (.14 - .21 gallons per minute) (.53 - .79 liters per minute / 763.2 - 1,137.6 liters per day), While providing a nominal salt rejection of 98.5%. The major components of the FLEXEON LT-Series Reverse Osmosis Systems are supported by a rigid steel frame and designed in such a way to provide ease of access for servicing, maintenance, and monitoring performance.



Benefits

- Fully Equipped, Customizable and Economical
- Lightweight Design
- Compact Space Saving Design
- Components Easily Accessible
- Pre-Plumbed, Wired and Assembled - Turn Key
- Factory Tested and Preserved
- Low Operation Costs
- Low Maintenance Costs
- Easy Maintenance and Servicing
- Integrated Pre-Filtration
- Numerous Options and Upgrades to Suit Most Applications

- 1-Year Limited Warranty
- Made in the U.S.A.

AXEON. Value Added

- ▶ 5-Star Technical and Customer Support Before and After the Sale
- ▶ Full Documentation Provided With Every System Manufactured
- ▶ Readily Available Replacement Parts
- ▶ One-On-One Applications Engineering Consultation

Features

White Powder Coated Steel Frame

Rigid design and light weight

Aquatec Feed Solenoid Valve

Features a low friction loss design that has a pressure range of 10 to 125 psi

Aquatec Auto Flush Timer Valve

Low flow feed water flush to reduce concentrated water on the ro membrane element

Aquatec Tank Pressure Switch

Automatically turns off the ro system at a pre-determined storage tank pressure

0-160 psi Concentrate Pressure Gauge

Pump pressure gauge monitors the pumps discharge pressure before the ro membrane

Double O-Ring Filter Housings

Double o-ring filter housings offer durability and improved sealing capabilities

5 Micron Sediment Pre-Filter

Sediment filter reduces the amount of sediment from the feed water source

10 Micron Carbon Block Pre-Filter

Carbon block reduces the amount of chlorine from the feed water source

Granulated Activated Carbon (GAC) Post-Filter

Effective in reducing chlorine, unpleasant tastes and odors

HF4 Extra Low Energy RO Membranes

AXEON HF4 membranes deliver high quality product water at moderately low pressure operation

PVC Membrane Housings

AXEON PVC membrane housings feature a convenient side port entry, an easy-to-remove snap ring and a removable end cap

Aquatec High Flow Booster Pump

High volume booster pump built for durability and continuous duty

John Guest Push/Pull Fittings with Locking Safety Clips

Durable, long lasting, easy to use and corrosion resistant fittings

[Options](#)

AXEON NF3 Nanofiltration Membranes

Operate at a low nominal 70 psi with a 40-50% salt rejection

AXEON NF4 Nanofiltration Membranes

Operate at a low nominal 70 psi with a 80-90% salt rejection

AXEON Stainless Steel Housings

304 stainless steel design that withstands various climate conditions and industrial use

HM Digital DM-2 Dual TDS Meter

Allows for product and feed water monitoring

HM Digital QC-1 Conductivity Meter

Allows for conductivity monitoring

10" Post DI Cartridge

Removes mineral ions such as cations from sodium, calcium, iron, copper and anions such as chloride and bromide

10" Post Calcite Cartridge

Effective in correcting ph to reach a non-corrosive equilibrium

20" Post DI Cartridge

Removes mineral ions such as cations from sodium, calcium, iron, copper and anions such as chloride and bromide

20" Post Calcite Cartridge

Effective in correcting ph to reach a non-corrosive equilibrium

20" Double O-Ring Filter Housings

Offer durability and improved sealing capabilities

10" White Powder Coated Steel Frame with Bulkhead Fittings

Allows for the ro system to be set on a flat surface and comes with john guest push/pull bulkhead fittings

20" White Powder Coated Steel Frame with Bulkhead Fittings

Allows for the ro system to be set on a flat surface

Voltage Option 1: 220V, 60HZ, 1 PH, 2.0A

Voltage Option 2: 20V, 50HZ, 1 PH, 2.0A

Specifications

Configuration: Single Pass

Feed Water Source*:** TDS <1000 ppm

Standard Recovery Rate: 40%

Nominal Salt Rejection: 98.5%

Permeate Flow* gpm (lpm): 0.21 (0.79)

Minimum Feed Flow gpm (lpm): 0.50 (1.89)

Maximum Feed Flow gpm (lpm): 1.00 (3.79)

Minimum Concentrate Flow gpm (lpm): 0.30 (1.14)

Feed inch: 3/8" Tube

Permeate inch: 3/8" Tube

Concentrate inch: 3/8" Tube

Membrane(s) Per Vessel: 1

Membrane Quantity: 1

Membrane Size: 2521

Vessel Array: 1

Vessel Quantity: 1

Pump Type: Booster Pump 8800

Standard Voltage: 110V, 60Hz, 1 PH, 4.0A

L x W x H inch (cm): 7 x 17 x 17 (18 x 43 x 43)

Weight lb. (kg): 50 (22.7)

* Product Flow rates and recovery are based on equipment test parameters.

** Does not include operating space requirements.

*** Treatment ability of the RO system is dependent on feed water quality. Performance projections must be run for each installation.

† Low temperatures and high feed TDS will significantly affect the systems production capabilities. Computer projections should be run for individual applications which do not meet or exceed minimum and maximum operating limits.

Part Numbers

Systems

Part Number: Description:

200025 SYSTEM, RO, LT-300, STANDARD, 110V 60 HZ 1PH, FLEXEON

205318 SYSTEM, RO, LT-300, STANDARD, 220V 50/60HZ 1PH, FLEXEON

Options & Upgrades

Part Number: Description:

202450	SYSTEM, RO, LT-300, MEMBRANE, NF3 - 2521, AXEON
202451	SYSTEM, RO, LT-300, MEMBRANE, NF4 - 2521, AXEON
202453	SYSTEM, RO, LT-300, VESSEL, PRESSURE, SS, 2521
202547	SYSTEM, RO, LT-300, FRAME, 10"
202548	SYSTEM, RO, LT-300, FRAME, 20"
202549	SYSTEM, RO, LT-300, 2.5" X 20" HSGS, FILTERS
202550	SYSTEM, RO, LT-300, TDS METER, DUAL
202551	SYSTEM, RO, LT-300, CONDUCTIVITY METER
202552	SYSTEM, RO, LT-300, 2.5" x 10" DI CARTRIDGE
202553	SYSTEM, RO, LT-300, 2.5" x 20" DI CARTRIDGE
202554	SYSTEM, RO, LT-300, 2.5" x 10" CALCITE CARTRIDGE
202555	SYSTEM, RO, LT-300, 2.5" x 20" CALCITE CARTRIDGE

[Images](#)

