

REVERSE OSMOSIS MACHINE

YET TO BE ORDERED TO REMOVE HEAVY METALS



CARIBBEAN
WATER TECHNOLOGIES

Designed to produce low dissolved solids water from tap or well water, these RO systems use high efficiency reverse osmosis membranes. This represents an RO systems are designed to work at pressures of 200-250 psi for higher TDS water and use TW reverse osmosis membranes. The TW RO membranes offer higher salt removal and the higher operating pressure overcomes the loss of membrane flow due to higher TDS level.

These reverse osmosis systems use proven, reliable, components and are mounted on a sturdy powder coated, metal frame. There are numerous design details learned from years of experience that are incorporated in our water filtration systems. Our process and fluid design ensures an optimum membrane life and minimizes membrane fouling.

- Compact, Heavy Duty, Powder Coated Frame
- Proven components used throughout the system
- Conservatively engineered for reliable long term

Standard Equipment

Thin Film Composite Membranes
Stainless steel membrane pressure vessels
5 micron 20" cartridge filter & housing
Feed water temperature gauge
Automatic inlet feed solenoid valve
Permeate, Concentrate & Recycle Flowmeters
System control valve
Recycle control valve
Low pressure pump protection
High pressure RO pump
L-12521 – L-24A: Brass Rotary Vane
34A – L-124A: SS multistage with throttling valve
Automatic membrane flush
4) Liquid filled pressure gauges for filter in/out and system pressures
Product TDS displayed on controller LED
System on/off with 2-level tank floats
Powder coated carbon steel frame
Boxed and palletized for shipment

Monitors and/or Controls:

Inlet valve
Delayed start-up of high pressure pump
Feed water flush at system shut-down
Low pressure switch
On/Off with tank level
Permeate Water Quality (TDS)
Pre-treatment backwash/lockout

Controller Features:

Backlit LED Display
LED indicator light for system status/alarm
Front panel access port for calibration of TDS sensor
LED indicator light for water quality (TDS)
Start-up and shut-down with tank level
Feed flush at shut-down
Low pressure shut-down
Low pressure automatic restart
Delayed start-up of high pressure pump

I-ROC300

UL Listing Optional

LED Display:

Permeate TDS
Operating Status
Alarm Condition

