



# ROS-IXC-850T

## Compact RO System



**TRITTON IXC 850 REVERSE OSMOSIS SYSTEMS** are compact units designed to provide productivity, automatic operation and low maintenance.

The Tritton IXC 850 reverse osmosis system with its horizontal membrane design combines high quality components and accessories while keeping in mind the importance of cost to benefit ratio.

Tritton IXC 850 reverse osmosis systems although light weight and compact, have been designed for ease of maintenance and installation. They offer a high performance, low pressure Hydron™ membrane for 98% rejection and a production range of 850 – 1000 gpd\*.

Tritton IXC 850 reverse osmosis systems are ideal for diverse applications and can be used for restaurants, coffee shops, ice machines, food & beverages, laboratories, water for steam generators to name a few.

### STANDARD FEATURES

- Membrane Housing:** 4" x 21" 304 Stainless Steel  
Hydronix Water Technology (SPV-4021-12)
- Pump:** Brass rotary vane type  
(coupled to 1725 rpm motor)
- Solenoid Valve:** Brass NC, 120V, 3/8" connection  
Hydronix Water Technology (BSV-38110)
- Flow Meter:** Panel mount 0.1-1 gpm range  
Hydronix Water Technology (PFM-011)
- Pressure Gauges:** 100 & 300 psi Glycerin filled  
Hydronix Water Technology (PG25100B & PG25300B)
- Waste & Recirculation valve:** 316 Stainless Steel Needle Valve  
Hydronix Water Technology (NV-12SS316)
- Filter Housings:** - (3) NSF, 10", white, 1/2" connection  
Hydronix Water Technology (HF2-10WHWH12)
- Pre-filters:** - (1) 2.5" x 10" Polyspun Sediment, 5µ (SDC-25-1005)  
- (1) Carbon Block, 2.5" x 10", 5µ (CB-25-1005)  
Hydronix Water Technology
- Post filter:** - (1) Carbon Block, 2.5" x 10", 5µ (CB-25-1005)  
Hydronix Water Technology
- RO Membrane:** - (1) Membrane 4" x 21"  
Hydron Membrane Technology (HLP-4021)
- Frame:** IXC Bend Style Design with Electrostatic Powder Coating for appearance and durability.
- Controller:** Integrated Aquatrol AQT-EC-100 controller provides automatic operation for optimum performance. Includes:
  - Low pressure switch
  - Contactor
  - Level switch
  - Manual-automatic selector switch
  - TDS sensor to monitor the water quality product



### SPECIFICATIONS

MODEL:	ROS-IXC-850T
PRODUCTION (GPD)	850-1000* gpd
MEMBRANE	4" x 21" (1)
OPERATING PRESSURE	150 - 200 psi
CAPACITY ROTARY PUMP	120 gph
MOTOR	1/2 HP, 1725 RPM
INPUT-OUTPUT CONNECTION	3/8"
SYSTEM DIMENSIONS	26" x 23" x 20"
WEIGHT	75 lbs (34.02 kgs)
ELECTRICAL POWER SUPPLY	120V/60 Hz

\* Depending on feed water characteristics through the 4 stages of filtration.  
The system production rate is based on minimum feed water quality below 1,000 PPM, < 300 PPM hardness, feed water temp 77 °F, and SDI < 5.

### ADDITIONAL OPTIONS

- Stainless steel rotary pump
  - Stainless steel solenoid valve
  - Post filter DI / Mixed resins
- Note: Recommended for Laboratory applications.*
- Aquatrol Hydropneumatic 82 gal Tank (ARO-30582V-B114)
  - Polaris Germicidal Lamp (UVA-6C)
  - Faucet for treated water use.
- Note: Recommended for any application.*