



# TRITTON

**REVERSE  
OSMOSIS**

*WATER PURIFICATION SYSTEM*




**SERIES IXC  
BROCHURE**

TRITON iXC

➤ QUALITY AND RELIABILITY  
BUILT INTO EVERY SYSTEM!





**TRITTON IXC Commercial Reverse Osmosis Systems begin their manufacturing journey with one thing in mind... *The End-User!***

In each step of the manufacturing process we are constantly reminded that quality and performance are essential in making sure that each system will perform at the highest level for each application it will be used in. Whether the **TRITTON IXC** system is used for drinking water, food service, hotels, restaurants or manufacturing applications, our goal is to provide the end-user a system that is not only cost effective but one that will perform to their needs and standards for many, many years after initial operation.

Simple operation and ease of maintenance is built into the design of each system while considering the importance of not occupying a large footprint. This allows **TRITTON IXC** systems to be the perfect choice for industry professionals whom require a system that is not only cost effective but can blend perfectly with the needs of their customers.

Multiple membrane options are available and modifying an IXC system by adding additional membranes is simple and a value added solution for customers who might outgrow their system.

See for yourself why **TRITTON IXC** systems are a clear choice for industry professionals in diverse market segments!



## AWESOME FEATURES RIGHT ON THE DISPLAY

**TRITTON IXC** Systems leave the production line ready to be placed into operation and require zero programming by the Technician. Simply make the necessary feed, waste and product connections turn the system on and go!

The digital display on the system will give you all the information you need to see the systems operation.



**TDS** - Shows the quality of product water in TDS PPM being obtained at that time.



**LOW** : When this appears on the screen, it indicates low pressure in the system.  
\*Additionally, on the control box, a Yellow light will illuminate when there is low pressure as a visual reference.



**FLUSH** - \*When membrane flush is activated, droplets above the word FLUSH are displayed.



**MAIN PUMP** - This display represents the high-pressure pump of the System is activated. \*When Blades are in motion it means the pump is ON. In addition, the green light on the control box will indicate that the system is in operation.



**FULL** - Appears on the screen when a signal is received that the storage tank is full.

\*Not applicable for the IXC-850







# SERIES IXC

*Commercial RO Systems*



**Electrical Power Supply:** 220V - 1 PH

**Membrane Housing:** Stainless Steel 304 or FRP (*optional*)

**Pump:** Multistage Pump

**Solenoid valve:** NC, 120V brass (*BSV-34110V & BSV-10110V*)

**Connectors:** High Pressure Quick Connectors

**Flow Meters:** Panel Mount 5 gpm / 10 gpm / 16 gpm (*according to model*)

**Pressure Gauges:** 0-100 psi and 0-300 psi glycerine filled

**Waste Valve & Recirculation:** Stainless Steel 316, Needle Valve (*NV-12SS316*)

**Filter Housings:** HF5-20BLBK34PR, HF45-10BLBK10PR or HF45-20BLBK10PR (*according to model*)

**Cartridge:** 20", 5 Micron Polyspun Sediment

**Safety Device:**

- Selector Switch 2 positions (*OFF/AUTO*)
- Electrical Contactor: 24 Amps
- Thermal Relay: 24 Amps
- Low Pressure Switch
- Power indicator light: Green LED type

**Frame:** Standard Steel with powder coated finish

**RO Membranes:** Hydron: High Rejection Membrane (*BW-4040*)

**Controller:** Aquatrol Controller (*EC-100*):

- Time Delay
- Level Switch
- OFF/AUTO
- Fast Flush (*optional*)
- TDS Sensor (*read in ppm*) to monitor product water quality

MODEL:	ROS-IXC-155-T	ROS-IXC-255-T	ROS-IXC-355-T	ROS-IXC-455-T	ROS-IXC-655-T
PRODUCTION (gpd)	2,100-2,400*	4,200- 4,800*	6,300-7,200*	8,400-9,600*	14,400-15,600*
MEMBRANE (Qty)	4" x 40" (1)	4" x 40" (2)	4" x 40" (3)	4" x 40" (4)	4" x 40" (6)
PRODUCT (gpm)	1.45 - 1.6	2.9 - 3.2	4.3 - 4.8	5.8 - 6.4	10 - 10.8
FEED FLOW (gpm)	5	8	10	20	25
% RECOVERY	50-60 %	50-60%	50-60 %	50-60 %	50-60 %
HIGH PRESSURE PUMP	2.0 HP	2.0 HP	2.0 HP	3.0 HP	3.0 HP
INLET PORT	3/4"	3/4"	1"	1"	1"
PRODUCT OUTLET PORT	1/2"	1/2"	3/4"	3/4"	1"
WASTE OUTLET PORT	1/2"	1/2"	3/4"	3/4"	1"
SYSTEM DIMENSIONS	20" x 28" x 60"	20" x 28" x 60"	25" x 28" x 60"	25" x 28" x 60"	25" x 50" x 47"
FOOTPRINT AREA	20" x 20" x 47"	20" x 20" x 47"	25" x 20" x 47"	25" x 20" x 47"	25" x 20" x 47"
WEIGHT (lbs)	176	187	218	242	270
ELECTRICAL POWER SUPPLY	220 V	220V	220V	220 V	220V

\* The system production rate is based on minimum feed water quality below 1,000 PPM, feed water temp 77 °F, and SDI < 5. Use a suitable pretreatment capable of removing all membrane damaging substances.





# SERIES IXC-850

*Compact Commercial RO Systems*





- Membrane Housing:** 4" x 21" 304 Stainless Steel (SPV-4021-12)
  - Pump:** Brass rotary vane type (coupled to 1725 rpm motor)
  - Solenoid valve:** Brass NC, 120V, 3/8" connection (BSV-38110)
  - Flow Meter:** Panel mount 0.1-1 gpm range (PFM-011)
  - Pressure Gauges:** 100 & 300 psi Glycerin filled (PG25100B & PG25300B)
  - Waste Valve & Recirculation:** 316 Stainless Steel Needle Valve (NV-125S316)
  - Filter Housings:** NSF, 10", white, 1/2" connection (HF2-10WHWH12)
  - Pre-Filters:** 2.5" x 10" Polyspun Sediment, 5µ (SDC-25-1005)  
Carbon Block, 2.5" x 10", 5µ (CB-25-1005)
  - Post Filter:** Carbon Block, 2.5" x 10", 5µ (CB-25-1005)
  - RO Membrane:** Membrane 4" x 21" (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
  - 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)
  - Polarix Germicidal Lamp (UVA-6C)
  - Faucet for treated water use.
- Note: Recommended for any application.

MODEL:	ROS-IXC-850T
PRODUCTION (gpd)	850-1000* gpd
MEMBRANE (Qty)	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.*



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*\* This brochure reflects information as of the date of publication. The online version of this brochure is the official version.  
For most updated version, please go to [www.hydronixwater.com](http://www.hydronixwater.com)*



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