



# TRITON

**REVERSE  
OSMOSIS**

WATER PURIFICATION SYSTEM




**SERIES IXC  
BROCHURE**

TRITON iXC



**QUALITY AND RELIABILITY  
BUILT INTO EVERY SYSTEM!**





## TRITTON IXC 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 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 indicating that the system is in operation.



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







## STANDARD FEATURES

## SPECIFICATIONS

<b>Electrical Power Supply:</b>	120V & 220V
<b>Membrane Housing:</b>	Stainless Steel 304 or FRP ( <i>optional</i> )
<b>Pump:</b>	Multistage Goulds
<b>Solenoid valve:</b>	NC, 120V brass ( <i>BSV-34110V &amp; BSV-10110V</i> )
<b>Connectors:</b>	High Pressure Quick Connectors
<b>Flow Meters:</b>	Panel Mount 5 GPM/10 GPM
<b>Pressure Gauges:</b>	0-100 PSI and 0-300 PSI glycerine filled
<b>Waste Valve &amp; Recirculation:</b>	Stainless Steel 316, Needle Valve ( <i>NV-12SS316</i> )
<b>Filter Housings:</b>	HF5-20BLBK34PR or HF45-20BLBK10
<b>Cartridge:</b>	5 Micron Polyspun Sediment
<b>Safety Device:</b>	<ul style="list-style-type: none"> <li>- Selector Switch 2 positions (<i>OFF/AUTO</i>)</li> <li>- Electrical Contactor: 24 Amps</li> <li>- Thermal Relay: 24 Amps</li> <li>- Low Pressure Switch: Yellow LED type (<i>Range: 4-12 Psi</i>)</li> <li>- Power indicator light: Green LED type</li> </ul>
<b>Frame:</b>	Standard Steel with powder coated finish
<b>RO Membranes:</b>	Hydron: High Rejection
<b>Controller:</b>	Aquatrol Controller ( <i>EC-100</i> ): <ul style="list-style-type: none"> <li>- Time Delay</li> <li>- Level Switch</li> <li>- On/Off</li> <li>- Fast Flush (<i>optional</i>)</li> <li>- Water Quality (<i>TDS Meter in PPM</i>)</li> </ul>

MODEL:	ROA-IXC-1SS-B	ROA-IXC-2SS-B	ROA-IXC-3SS-B	ROA-IXC-4SS-B
PRODUCTION (GPD))	2,100-2,400*	4,200- 4,800*	6,300-7,200*	8,400-9,600*
MEMBRANE	4" x 40" (1)	4" x 40" (2)	4" x 40" (3)	4" x 40" (4)
PRODUCT	1.45 - 1.6 GPM	2.9 - 3.2 GPM	4.3 - 4.8 GPM	5.8 - 6.4 GPM
FEED FLOW	5 GPM	8 GPM	10 GPM	20 GPM
% RECOVERY	50-60 %	50-60%	50-60 %	50-60 %
HIGH PRESSURE PUMP	1.5 HP	1.5 HP	1.5 HP	3.0 HP
INLET PORT	3/4"	3/4"	1"	1"
PRODUCT OUTLET PORT	1/2"	1/2"	3/4"	3/4"
WASTE OUTLET PORT	1/2"	1/2"	3/4"	3/4"
SYSTEM DIMENSIONS	20" x 20" x 47"	20" x 20" x 47"	25" x 20" x 47"	25" x 20" x 47"
WEIGHT	176 LBS	187 LBS	218 LBS	242 LBS
ELECTRICAL POWER SUPPLY	120 or 220 V	120 or 220 V	120 or 220 V	220 V

\* 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.



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