

aqua 800

Aqua **STAR**®

series reverse osmosis systems



Reverse osmosis process is the removal of dissolved solids from water by means of a semi permeable membrane.

Reverse osmosis main solution for purified water needs water for drinking or industrial purposes. It removes 98% of the dissolved solids from the water.

Main advantages of this process are :

- Easy operation and maintenance;
- Low chemical consumption;
- Low cost of operation;
- Reliable quality of treated water.

Standard models in this series begin from 60 m³/day up to 480 m³/day. Systems for higher capacities can be designed and manufactured upon request.

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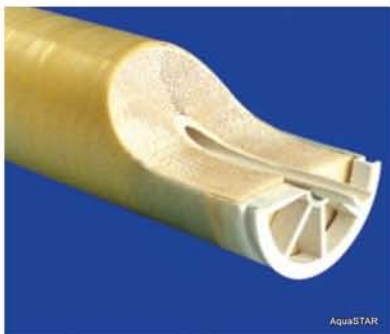
Standard Features

- TFC spiral, 8"-40" low energy membranes;
- FRP vessels;
- stainless steel skid;
- AISI 304 high pressure pump;
- conductivity meter;
- 1 micron pre-filter;
- inlet solenoid valve;
- low pressure switch;
- flowmeters;
- pressure gauges;
- PLC control unit;
- PN16 PVC piping;
- flushing system.

- designed for commercial and industrial needs from capacity 60 m³/day
- low chemical consumption
- typical recovery of 70 – 75%
- typical rejection of 95 – 98%
- low energy consumption.

Optional Features

- AISI 316 high pressure pump;
- stainless steel skid.



800 SERIES REVERSE OSMOSIS SYSTEMS		Technical Data		
	800 E MODEL	800 S MODEL	800 SW MODEL	
WATER TYPE	Brackish water with Salinity Municipal Water	Brackish Water With High Salinity	Sea Water	
CAPACITY	from 60 m ³ /day	from 60 m ³ /day	from 60 m ³ /day	
RECOVERY	70 – 75 %	70 – 75 %	%35 - %45	
MEMBRANE	8"x40" TFC spiral wound low energy membrane	8"x40" TFC spiral wound high rejection membrane	8" x 40" TFC spiral wound sea water membrane	
OP. PRESSURE	Max. 10 bars	Max. 30 bars	Max. 80 bars	
PIPING	PN 16 PVC	LOW PRESSURE LINES PN 16 PVC HIGH PRESSURE LINES SS	LOW PRESSURE LINES PN 16 PVC HIGH PRESSURE LINES SS	
DESIGN LIMITS	SDI <3, No presence of Oil and Grease , BOD, COD and bacteriological activity			

DEALER