

### Standard Technical Specifications

- ◆ Epoxy painted carbon steel chassis
- ◆ TFC 8" spiral wounded membranes
- ◆ 5 µ prefiltration
- ◆ Duplex stainless steel high pressure pump
- ◆ 380 V/3 faz/50 Hz energy feed
- ◆ 1000 PSI FRP membrane vessels
- ◆ Product conductivity analyser
- ◆ U-PVC Zonder / PP low pressure piping
- ◆ Duplex stainless steel high pressure piping
- ◆ Low & high pressure sensors
- ◆ Membrane inlet pressure regulator valve
- ◆ Concentrate regulation valve
- ◆ Permeate and concentrate flowmeters
- ◆ Automatic inlet control valve
- ◆ Automatic permeate flush system
- ◆ Pressure gauges
- ◆ PLC control panel



SWR 8066 Sea Water Desalination Unit

### Optional Specifications

- ◆ Energy recovery turbine
- ◆ Stainless steel chassis
- ◆ Touch screen panel
- ◆ Wooden casing with pallette
- ◆ Automatic flush and CIP unit
- ◆ Complete plant with chassis
- ◆ Containerized system configuration

Operating Conditions	
Feed inlet pressure	2 – 5 bar
Operating pressure	40 – 65 Bar
Feed water TDS <sup>1</sup>	10.000 - 40.000 mg/l
Max. iron, manganese, aluminium	<0,05 mg/lt
Bacteriologic content	None
Organics (TOC, BOD, COD)	None
Hydrocarbons, oil & grease	None
Max. feed water temperature	42 °C
Recovery <sup>2</sup>	%37

1. TDS = 50.000 mg/l configuration (Optional)
2. May vary according to raw water analysis and system capacity

SEA WATER DESALINATION SYSTEMS TECHNICAL SPECIFICATIONS					
Model	Flowrate m3/day	Membrane Quantity	Membrane Dimension	Motor Power kW *	Recovery % *
SWR 802	30	2	8"x 40"	11	37
SWR 803	45	3	8"x 40"	18,5	37
SWR 804	60	4	8"x 40"	22	37
SWR 806	90	6	8"x 40"	30	37
SWR 808	120	8	8"x 40"	48	37
SWR 8012	180	12	8"x 40"	60	37
SWR 8016	240	16	8"x 40"	48	37
SWR 8020	300	20	8"x 40"	60	37
SWR 8024	360	24	8"x 40"	75	37
SWR 8030	450	30	8"x 40"	90	37
SWR 8042	630	42	8"x 40"	97	37
SWR 8054	800	54	8"x 40"	130	37
SWR 8066	1000	66	8"x 40"	140	37
SWR 8078	1150	78	8"x 40"	180	37
SWR 8090	1350	90	8"x 40"	215	37
SWR 80102	1500	102	8"x 40"	215	37

\* Parameter may vary according to raw water salinity and raw water analysis.

