

Standard Technical Specifications

- ◆ Epoxy painted carbon steel chassis
- ◆ TFC 2,5" / 4" spiral wounded membranes
- ◆ 5 µ pre-filter
- ◆ Duplex stainless steel high pressure pump
- ◆ 380 V/3 faz/50 Hz energy feed
- ◆ FRP membrane vessels
- ◆ Product conductivity analyser
- ◆ U-PVC Zonder / PP low pressure piping
- ◆ Stainless steel high pressure piping
- ◆ Low & high pressure sensors
- ◆ Product water TDS analyser
- ◆ Membrane inlet pressure regulator valve
- ◆ Concentrate regulation valve
- ◆ Permeate and concentrate flowmeters
- ◆ Feed inlet valve
- ◆ Automatic flush system
- ◆ Pressure gauges
- ◆ Microprocessor control panel



SWR 406 Sea Water Desalination System

Optional Specifications

- ◆ Stainless steel chassis
- ◆ PLC control panel
- ◆ Touch screen panel
- ◆ Wooden casing with pallette
- ◆ Automatic flush and CIP unit
- ◆ Complete plant with chassis (with pretreatment units)
- ◆ Containerized system configuration

Operating Conditions	
Feed inlet pressure	2 – 5 bar
Operating pressure	40 – 65 Bar
Feed water TDS ¹	10.000 - 40.000 mg/l
Max. iron, manganese, aluminium	<0,05 mg/l
Bacteriologic content	None
Organics (TOC, BOD, COD)	None
Hydrocarbons, oil & grease	None
Max. feed water temperature	42 °C
Recovery ²	%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 Model	Motor Power kW *	Recovery % *	Weight kg
SWR 251	1	1	2,5"x40"	1,5	37	100
SWR 401	3	1	4"x 40"	2,2	37	180
SWR 402	6	2	4"x 40"	5,5	37	205
SWR 403	9	3	4"x 40"	5,5	37	250
SWR 404	12	4	4"x 40"	5,5	37	295
SWR 405	15	5	4"x 40"	7,5	37	340
SWR 406	18	6	4"x 40"	7,5	37	385
SWR 407	21	7	4"x 40"	7,5	37	430
SWR 408	24	8	4"x 40"	11	37	475
SWR 409	27	9	4"x 40"	11	37	520

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

