COMPLETE SEA WATER DESALINATION CONTAINERIZED PLANTS TCONSW SERIES(WITHOUT ENERGY RECOVERY)

PRODUCTION FROM 70 m³/day UP TO 317 m³/day

MAIN EQUIPMENT

- Feed pump
- Automatic sand filters
- Automatic activated carbon filter (option)
- Antiscalant dosing system
- Sediment prefilter 10'', 5 microns
- High pressure pump made of super duplex stainless steel
- Membrane vessels
- Membranes
- Clean in place system
- Product water chlorination dosing system
- Electronic control panel with PLC with incorporated conductivity meter
- Automatic permeate quality control valve
- Electric power switchboard
- 40 feet high cube container with air condition, ventilation and thermal insulation

TECHNICAL CHARACTERISTICS

MODEL	INTERCONNECTION PIPING			DIMENSIONS		
	INLET	PRODUCTION	DRAIN	LENGTH	WIDTH	HEIGHT
	(pvc)	(pvc)	(pvc)	(m)	(m)	(m)
TCONSW100	*Union Ø63*	*Union Ø50*	*Union Ø63*	*12*	*2,5*	*3*
TCONSW200	*Union Ø75*	*Union Ø63*	*Union Ø75*	*12*	*2,5*	*3*
TCONSW300	*Union Ø90*	*Union Ø63*	*Union Ø90*	*12*	*2,5*	*3*

MODEL	NOMINAL POWER (kW)			FEED VOLTAGE (V) THREE PHASE	NUMBER OF MEMBRANES	MEMBRANE TYPE	
	FEED PUMP	HIGH PRESSURE PUMP	TOTAL			DIAMETER	LENGTH
TCONSW100	*3*	*1*22*	*25*	*380/50Hz*	*8*	*8"*	*40"*
TCONSW200	*5,5*	*2*22*	*49,5*	*380/50Hz*	*16*	*8"*	*40"*
TCONSW300	*5,5*	*3*22*	*71,5*	*380/50Hz*	*24*	*8"*	*40"*

MODEL	MAXIMUM PRODUCTION*								FEED WATER (m3/h)	RECOVERY (%)
	42000 ppm		45000 ppm		50000 ppm		55000 ppm			
	m3/h	m3/24h	m3/h	m3/24h	m3/h	m3/24h	m3/h	m3/24h		
TCONSW100	*4,4*	*106*	*4,2*	*101*	*3,6*	*86*	*2,9*	*70*	*10*	*29÷44*
TCONSW200	*8,8*	*211*	*8,4*	*202*	*7,2*	*173*	*5,8*	*139*	*20*	*29÷44*
TCONSW300	*13,2*	*317*	*12,6*	*302*	*10,8*	*259*	*8,7*	*209*	*30*	*29÷44*

**Product flow rates are referred to 20 º C feed temperature*