



# PWT-SWRO series Movable seawater desalination system

## Specifications:

Model	PWT-SWRO3000-2	PWT-SWRO4000-2	PWT-SWRO5000-2
Standard Flow	125 L/hr	165 L/hr	205 L/hr
Recovery Rate	15%	23%	29%
Applicable Power	AC110-400V, 50/60Hz, 1 phase/3 phase		
Power	2.8 kW		
Maximum Inlet TDS	<45,000 ppm		
Rejection Rate	<99%		
Working Pressure	<6 MPA		
Working Temperature	5-45°C		
Feed Chlorine Level	<0.1 ppm		
Feed Oil and Grease	<0.1 ppm		
Feed Water Turbidity	<2 NTU		
Feed pH	6.5 – 8.5		
Feed COD	<10 ppm		
Feed BOD	<5 ppm		
Unit Dimensions	97 x 60 x 137 (cm)	Unit Net Weight	180-230 kg
Shipping Dimensions	110 x 77 x 165 (cm)	Shipping Gross Weight	200-250 kg

*Note: The standard flow is based on the following test conditions: 32000 ppm NaCl @ 25°C with rejection rate as shown in the table above. Flow range may vary depending on the differences in water quality, but not more than ±20%.*

## Advantages and Characteristics:



- Easy and convenient to operate – can run automatically once set up.
- Utilises a dual control system, PLC touch screen control + relay control.
- The machine sets up high and low voltage protection for unit safety.
- Unit has fault alarms and indicators for easy troubleshooting.
- High quality quartz sand filter can remove the large impurities, algae etc., which can come with either manual or automatic control.
- Seawater RO membranes capable of removing up to 99.8% of salt.
- Inline conductivity meter for constantly monitoring the output water quality.
- Uses high quality stainless steel 316L raw water pump and SS316L high pressure pump.
- Uses inline ultraviolet disinfection post RO to protect against any bacteria
- Uses high quality SS316L valves that slowly open/close to prevent water hammer.
- Fully polished stainless-steel frame for a safe and elegant appearance.