



**TRAILER MOUNTED
 WATER PURIFICATION SET
 Model: SWRO48-TR**

SWRO48-TR Mobile water treatment unit with reverse osmosis system, capacity 2.000 Liter per hour, integrated power distribution facilities from generator support the system with Single axle trailer with front caster wheel (Fordable type).

Automatic start/stop sequence (start/stop command by operator), automatic stop system by interlock in case of warning, automatic flushing system, semi-automatic cleaning system. Degree of Quality of Input Raw Water and Output Purified Water from River, Pond, Stream, Canal, Sea, Lake (any available surface water and well include any sub surface water source) with TDS value min 25.000ppm. Removal of arsenic compounds by the Reverse Osmosis. Chlorination with Sodyum hypochlorite dosing on permeate water by a dedicate chemical dosing pump.

FRP pressure vessel for membranes with Victaulic coupling



TECHNICAL SPECIFICATION

MECHANICAL

Lenght	-	4.300mm
Width	-	2.000mm (incl. wheels)
Height	-	2.300mm
Weight	-	2.500kgs

FEED WATER CHARACTERISTICS

Quality	-	from 25.000 to 36.000ppm
Temperature	-	5 °C to 35 °C

PRODUCT WATER CHARACTERISTICS

Production	-	2.000 lt/h
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TRAILER

No of Axis	-	Single
Suspension	-	Indipendent rubber suspension with absorbers
Tyre size	-	195/70 R15
Service brake	-	Inertia brake system (Mechanical brake)
Parking brake	-	Manual hand brake level
Air coupling	-	Ball d=50mm Towing NATO

DIESEL GENERATOR

Fuel	-	Diesel
Cooling	-	Liquid
Engine model	-	Perkins
Output voltage	-	400V
Frequency	-	50Hz
Canopy	-	Sound proof

REVERSE OSMOSIS MEMBRANES

Type	-	Seawater Reverse Osmosis membranes
Model	-	High flow
Characteristics	-	Polyamide composite spiral wound, seawater type, low energy
Ph Tolerance	-	min 2, max 11 pH
Rejection ability	-	99%
Temp. Stability	-	5 - 45 °C



CONTROL SYSTEM

- PLC with HMI for easy control / monitoring of the unit
- Conductivity meter on panel for monitoring water quality



ACCESSORIES (supplied with unit)

- Flotant suction pump, easy portable,
- Quick on folding/unfolding tank system high resistance food grade material quality capacity: 5.000Liters

QUALITY OF OUTPUT PURIFIED WATER DEGREE AS PER WHO STANDARD

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