



**TRAILER MOUNTED  
 WATER PURIFICATION SET  
 Model: BWRO48-TR**

BWRO48-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, Lake (any available surface water and well include any sub surface water source) with TDS value max 5.000ppm. 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	-	4.700mm
Width	-	2.100mm (incl. wheels)
Height	-	2.500mm
Weight	-	2.600kgs

FEED WATER CHARACTERISTICS

Quality	-	max 5.000 ppm
Temperature	-	10 °C to 30 °C

PRODUCT WATER CHARACTERISTICS

Production	-	2.000 lt/h
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**TRAILER**

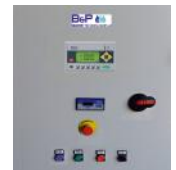
No of Axis	-	Double
Suspension	-	Indipendent rubber suspension with absorbers
Tyre size	-	185R14
Service brake	-	Inertia brake system (Mechanical brake)
Parking brake	-	Manual hand brake level
Air coupling	-	Ball d=50mm Towing NATO

**DIESEL GENERATOR**

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

**REVERSE OSMOSIS MEMBRANES**

Type	-	Brackish water Reverse Osmosis membranes
Model	-	Fouling resistant
Characteristics	-	Polyamide composite spiral wound,
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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