

LW-Vehicle



Vehicle-mounted desalination generator

LW-Vehicle Type is a combination of desalination equipment such as "filtration equipment," "UF membrane," and "RO membrane" mounted on the back of an 8-10t truck.

The LW-Vehicle Type is equipped with the necessary treatment capacity and can be moved to any location to produce potable water.

This product can be operated completely independently, as the power to operate the desalination equipment is provided by an onboard generator. The electricity generated by the generator can also be made available as power in the event of a power outage. This product is designed so that the equipment can be customized to suit the country of use and the intended location, and can be easily reassembled and repaired after delivery. The product is designed to be easily reassembled and repaired after delivery. Our LW-Vehicle Type can be transported to remote areas with a powerful vehicle (8-10t truck) and can be used for water purification with a single unit, so it can respond to disasters without the need for large capital investment.

*UF membrane: A membrane that can remove larger particles than RO membrane

*Filtration equipment: Equipment that removes large particles by using sand or charcoal with different particle sizes.

*Various types of chemical injection equipment can also be mounted. We recommend installing iron removal equipment, especially when dealing with flooding.

Equipment configuration (example)	Submersible pump + Raw water tank (1m ³) + Filtration device + Filtered water tank(3m ³) + Safety filter + RO device + Water receiving tank(2m ³) + Sterilant injection device		
Production capability of Fresh water (at 30°C) Max./day	Raw water is brackish water 120 m ³ / day	Amount of raw water required 60 m ³ / day	
Treated water	Water quality TDS:50mg/L less than	Water volume 2,500L/hour	
Raw water operating conditions	Concentration TDS:1,000mg/L	Pressure 1.0Mpa less than	Temperature 30°C
Power	Diesel generator 17KVA AC200V 50Hz		
Size	Vehicle total weight 11,000kg	Vehicle Size W2,350× L7,050× H3,100	
RO device	8Inch	Membrane area 37m ²	3Unit
Filtration device	Manual backwash filter		