



ADD VALUE TO WATER, FOR LIFE



DH Water

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RO SYSTEM Solution

APPLICATIONS

Safe Drinking Water for Outdoor Activities

Ensuring safe drinking water wherever you adventure takes you - hiking, camping, or fishing.



Safe Drinking Water for Military Operations

Reliable water supply for forward deployment or remote area missions.



For Disaster Relief

Providing safe drinking water in emergencies caused by earthquakes, floods, or other natural disasters.



For Rural or Off-Grid Regions

Safe drinking water solutions that improve lives and communities.



EXPECTED BENEFITS



Prevent disease and improve survival.



Minimize maintenance with longer-lasting filter and extended replacement cycles.



Reduce bottled water purchase and delivery costs.



Reduce plastic waste.

PRODUCT OVERVIEW



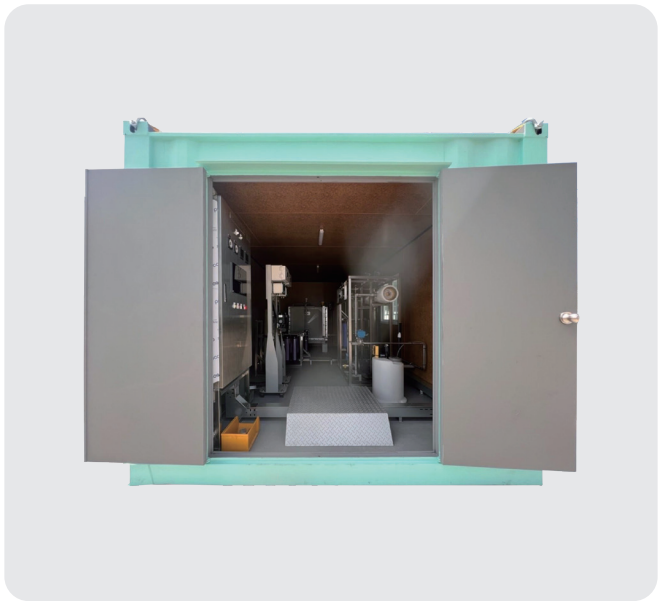
Backpack Water Purification Equipment



Mobile Water Purification Equipment



Vehicle-Mounted Water Purification Equipment



Containerized Water Purification System

DH-BWRO-75

Raw Water Sources

River, Lake, Groundwater

Capacity

75 ± 10% [L/hr]

Dimensions

570(W) × 220(D) × 690(H) [mm]

Weight

20.5 [kg] (Including a battery)

Battery Specifications

24 [V] / 15 [A] (Battery)

Running Time (A full battery charge)

4 [hours]



Details



Easy Operation



Sterilization work



Production of Clean Drinking Water

Characteristics

- Lightweight and portable design
- Meets drinking water standards.
- Easy to use (simple and user-friendly)
- Low power consumption for cost-effective & long-term operation
- [Optional] Can be charged via solar panels

BACKPACK WATER PURIFICATION EQUIPMENT

DH-BWRO-75



DH-BWRO-200



Raw Water Sources

River, Lake, Groundwater

Capacity

200 ± 10% [L/hr]

Inflow Water TDS

200 ~ 1,000 [PPM]

Power

Generator (Gasoline)

Details



Characteristics

- Ensures drinking water supply in the event of disasters
- Easy to use (simple and user-friendly)

DH-SWRO-150



Raw Water Sources

Seawater, Brackish water

Capacity

150 ± 10% [L/hr]

Inflow Water TDS

35,000 [PPM]

Power

Generator (Gasoline)

Details



Characteristics

- Designed to purify both fresh water and seawater
- Equipped with wheels for easy mobility

MOBILE WATER PURIFICATION EQUIPMENT

DH-BWRO-200
DH-SWRO-150



DH-SWRO-600



VEHICLE-MOUNTED WATER PURIFICATION EQUIPMENT

DH-SWRO-600



Raw Water Sources

- **(SW)** Seawater, Brackish water
- **(BW)** River, Lake, Groundwater

Capacity

- **(SW)** 540 ± 10% [L/hr]
- **(BW)** 612 ± 10% [L/hr]

Inflow Water TDS

- **(SW)** 30,000 ~ 35,000 [PPM]
- **(BW)** 200 ~ 1,000 [PPM]

Power

Generator (Gasoline)

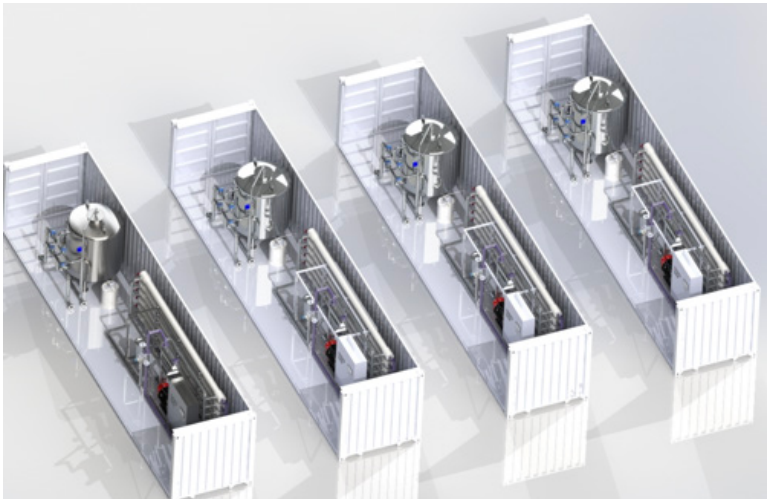
Characteristics

- Generator-powered mobility for reliable drinking water, even in disasters or emergencies
- Equipped with inverter-controlled pump technology, the vehicle-mounted water purification equipment efficiently purifies groundwater, brackish water, and seawater
- With an advanced UV sterilizer, our solution ensures a consistent supply of safe and clean drinking water

CONTAINERIZED WATER PURIFICATION SYSTEM
[DH-SWRO-20FT/40FT, DH-BWRO-20FT/40FT]



Containerized Water Purification System (40FT)



Parallel Configuration

Raw Water Sources

- **(SW)** Seawater, Brackish water
- **(BW)** River, Lake, Groundwater

Capacity

- **(SW)** 300m³/day [40FT]
100m³/day [20FT]
- **(BW)** 400m³/day [40FT]
200m³/day [20FT]

Inflow Water TDS

- **(SW)** 30,000 ~ 40,000 [PPM]
- **(BW)** 200 ~ 1,000 [PPM]

Recovery

- **(SW)** 40 ~ 50%
- **(BW)** 50 ~ 60%

Rejection

- **(SW/BW)** 99.5%

Characteristics

- Utilizes various raw water sources to produce drinking, agricultural, and industrial water from both seawater and fresh water
- Containerized units provide mobility in emergencies or disasters
- Quick, easy installation and system connection
- Drinking water production can be flexibly increased by adding containers

GREETINGS

DH Environment is a specialized water treatment company that provides water purification solutions utilizing advanced Reverse Osmosis(RO) systems.

Our solutions are applied across a broad range of water treatment sectors, and our entire team is committed to fully meeting customers' needs.



SCOPE OF BUSINESS

PURIFICATION SYSTEM



Applied to agricultural water facilities, corporate wastewater treatment, water treatment plants, swimming pools, public baths, etc.

SEWAGE AND WASTEWATER REUSE SYSTEM



Livestock manure treatment facility, wastewater effluent reuse treatment, industrial wastewater treatment facility manufacturing

PURE, ULTRAPURE SYSTEM (2PASS RO)



Applied to industries that require removal of 99% or more of ions and germs, such as industrial water treatment, semiconductors, power plants, pharmaceutical manufacturing, and cleaning

SEAWATER DESALINATION SYSTEM



Manufacturing of small and medium-sized and large-scale facilities in areas where water supply is difficult, such as islands and coastal villages

MAINTENANCE SYSTE



Membranes, filters (carbon, micro), filtering agents (MMF), ion exchange resins, pressure gauges, pumps, micro housings, etc.

OVERSEAS EXPORT PERFORMANCE



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