

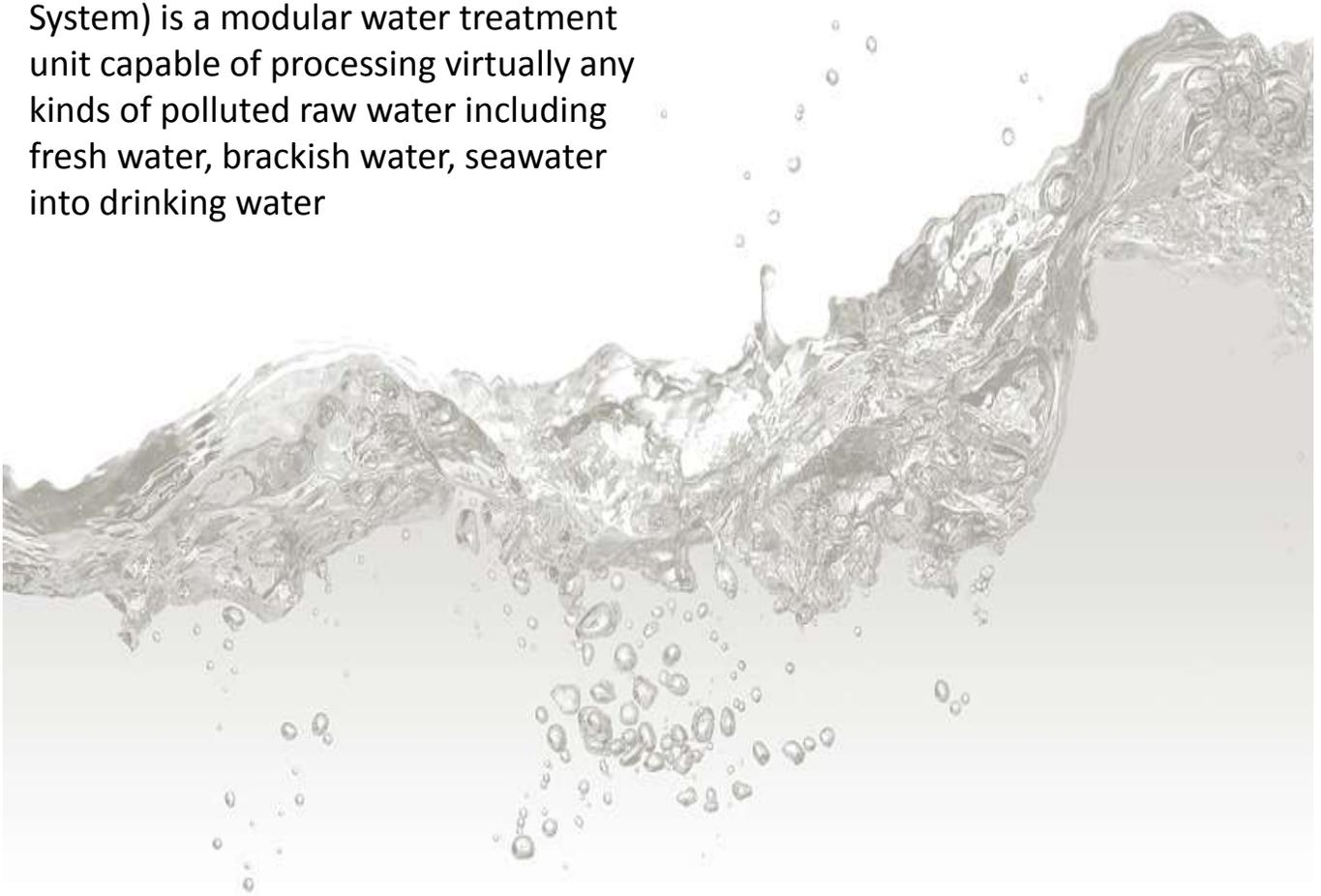
PRODUCT PORTFOLIO

An Introduction for
our Product's Reference Lists
and Information



Mobile Water Treatment System

The easily transportable containerized MWPS(Mobile Water Treatment System) is a modular water treatment unit capable of processing virtually any kinds of polluted raw water including fresh water, brackish water, seawater into drinking water



PRODUCT PORTFOLIO

Mobile Water Treatment System KRO-012-MTS

APPLICATION

- Seawater desalination
- Brackish water treatment
- Military and disaster relief

WATER QUALITY

- Meets or exceed drinking water quality of latest edition of STANAG2136

CAPACITY

- From Seawater
: 12ton/day
- From Brackish water
: 15ton/day

SPECIFICATION

- Dimensions
: 2,090 x 1,106 x 1,540 mm
- Weight
: 1,100 kg
- Power Consumption
: 7.5 kW
- Electric Generator
: Diesel Engine



END USER / YEAR

- DSTA, Singapore Armed Forces
- Deployed in 2011

DESIGN CONCEPT

- Small footprint and transportable
- Ultra Light Weight : Heli or Truck transportable
- Low energy consumption with high production
- Anywhere in the world
- Safe, quick, and reliable

PRODUCT PORTFOLIO

Mobile Water Treatment System KRO-040-MTS

APPLICATION

- Seawater desalination
- Brackish water treatment
- Military and disaster relief

WATER QUALITY

- Meets or exceed drinking water quality of latest edition of STANAG2136

CAPACITY

- From Seawater
: 40ton/day
- From Brackish water
: 72ton/day

SPECIFICATION

- Dimensions
: 4,000 x 2,100 x 1,600 mm
- Weight
: 4,641 kg
- Power Consumption
: 21.6 kW
- Electric Generator
: Diesel Engine



END USER / YEAR

- DSTA, Singapore Armed Forces
- Deployed in 2011

DESIGN CONCEPT

- Compact and transportable
- Fully self contained automatic system
- High capacity
- Light weight : Truck or Trailer mounted
- Safe, quick, and reliable

PRODUCT PORTFOLIO

Mobile Water Treatment System KRO-050-MTS

APPLICATION

- Disaster relief

WATER QUALITY

- Meets or exceed drinking water quality of latest edition of WHO standard

CAPACITY

- 50 ton/day

SPECIFICATION

- Power Consumption

UF UNIT
: 2,300 x 1,900 x 2,000 mm

RO UNIT
: 2,000 x 1,900 x 1,800 mm

- Weight

UF UNIT
: 1,300 kg

RO UNIT
: 1,600 kg

- Power Consumption

: 30kW



UF UNIT



RO UNIT



END USER / YEAR

- Japan Water Agency (JWA)
- Deployed in 2013

DESIGN CONCEPT

- System Consist : UF UNIT + RO UNIT
- Compact design
- Easy installation and operation

PRODUCT PORTFOLIO

Mobile Water Treatment System KRO-135-MTB

APPLICATION

- Brackish water treatment
- Military and Industrial use

WATER QUALITY

- Less than 500 ppm TDS

CAPACITY

- From Brackish water
: 135ton/day

SPECIFICATION

- Dimensions
: 4,500 x 2,400 x 2,500 mm
- Weight
: 4,500 kg
- Power Consumption
: 15.0 kW
- Electric Generator
: Diesel Engine (optional)



END USER / YEAR

- ROK Army
- Deployed from 1999

DESIGN CONCEPT

- Truck integrated system
- Specially designed for military applications
- Quiet and vibration Free
- Urgent drinking water supply during warfare
- Field proven design : system in service for over 10 years

PRODUCT PORTFOLIO

Mobile Water Treatment System KRO-029-MIS

APPLICATION

- Disaster relief

WATER QUALITY

- Meets or exceed drinking water quality of latest edition of WHO standard

CAPACITY

- 29 ton/day

SPECIFICATION

- Dimensions
: 1,450 x 600 x 900 mm
- Weight
: 154 kg (at dry)
- Power Consumption
: 0.95 kW



END USER / YEAR

- Toray Industries
- Deployed in 2014

DESIGN CONCEPT

- System Consist : Cartridge Filter + BWRO
- Compact design
- Easy installation and operation

PRODUCT PORTFOLIO

Containerized Water Purification Unit for KOLON Environment Service

APPLICATION

- Drinking Water supply

WATER QUALITY

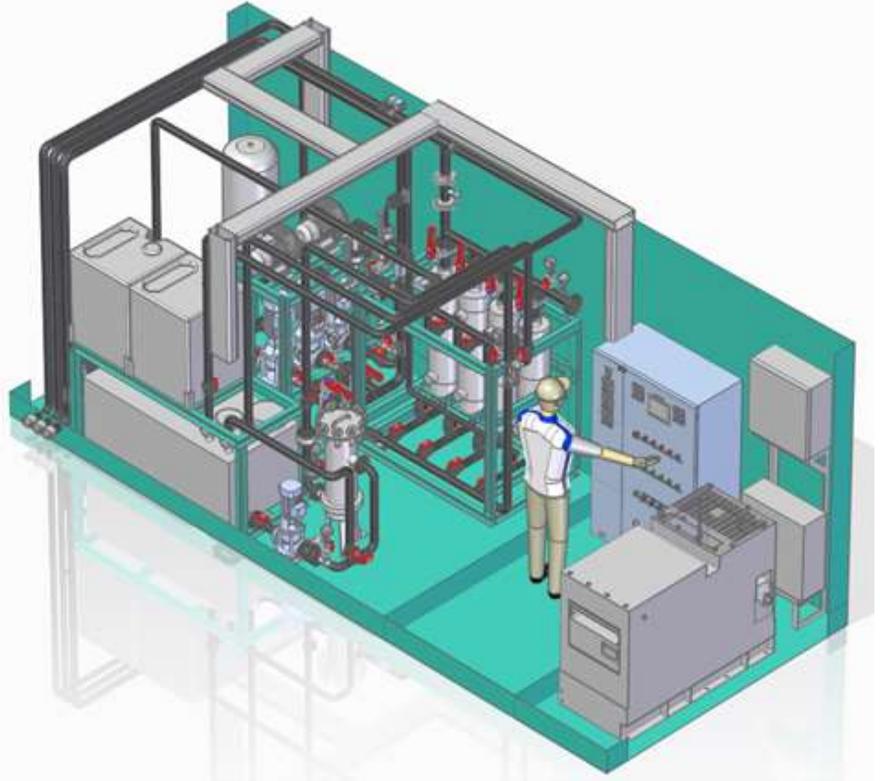
- Meets or exceed drinking water quality of latest edition of WHO standard

CAPACITY

- 150 ton/day

SPECIFICATION

- Dimensions
: 2,390 x 5,990 x 2,580 mm
- Weight
: Approx. 5,000 kg
Including Container
- Power Consumption
: 8.5 kW
- Equipment control
: PLC Control w/ Touch PC



END USER / YEAR

- KOLON ENVIRONMENT SERVICE
- Ruhabat Etrap, Ahal Valayat, Turkmenistan
- Deployed in 2011

DESIGN CONCEPT

- Easily installable modular System
- Mobile water treatment system
- Ultra Filtration (UF) system



PRODUCT PORTFOLIO

Seawater Desalination Pilot Plant for GS Eng. & Const.

APPLICATION

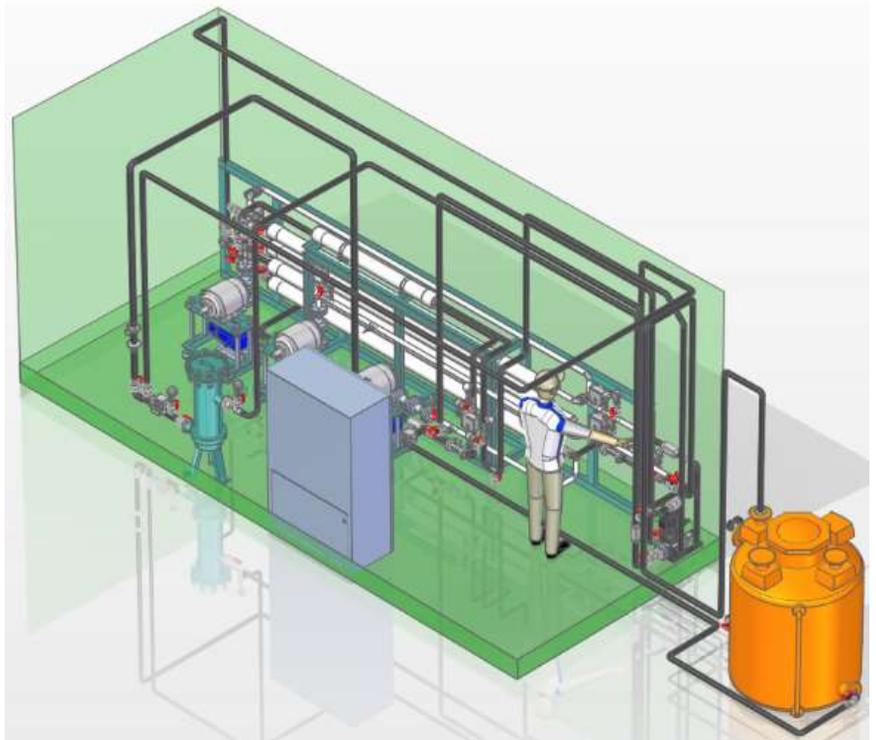
- Research and Development
: Mineral water production

CAPACITY

- From Seawater
: 38ton/day
- From Brackish water
: 20ton/day

SPECIFICATION

- Dimensions
: 3,120 x 6,000 x 2,100 mm
- Weight
: Approx. 1,600 kg
- Power Consumption
: 22 kW
- Equipment Control
: HMI with PLC Control



END USER / YEAR

- GS Engineering & Construction
- Jeju Island, Korea
- Deployed in 2011

DESIGN CONCEPT

- 2-Pass RO Unit : SWRO, BWRO
- Nano Filtration (NF) Unit for Natural Mineral Separation
- HMI system for DATA COLLECTION



PRODUCT PORTFOLIO

Mobile Water Treatment System KRO-100-MCB

APPLICATION

- Disaster relief

WATER QUALITY

- Meets or exceed drinking water quality of latest edition of WHO standard

CAPACITY

- 50 ton/day

SPECIFICATION

- Power Consumption

UF UNIT
: 2,300 x 1,900 x 2,000 mm

RO UNIT
: 2,000 x 1,900 x 1,800 mm

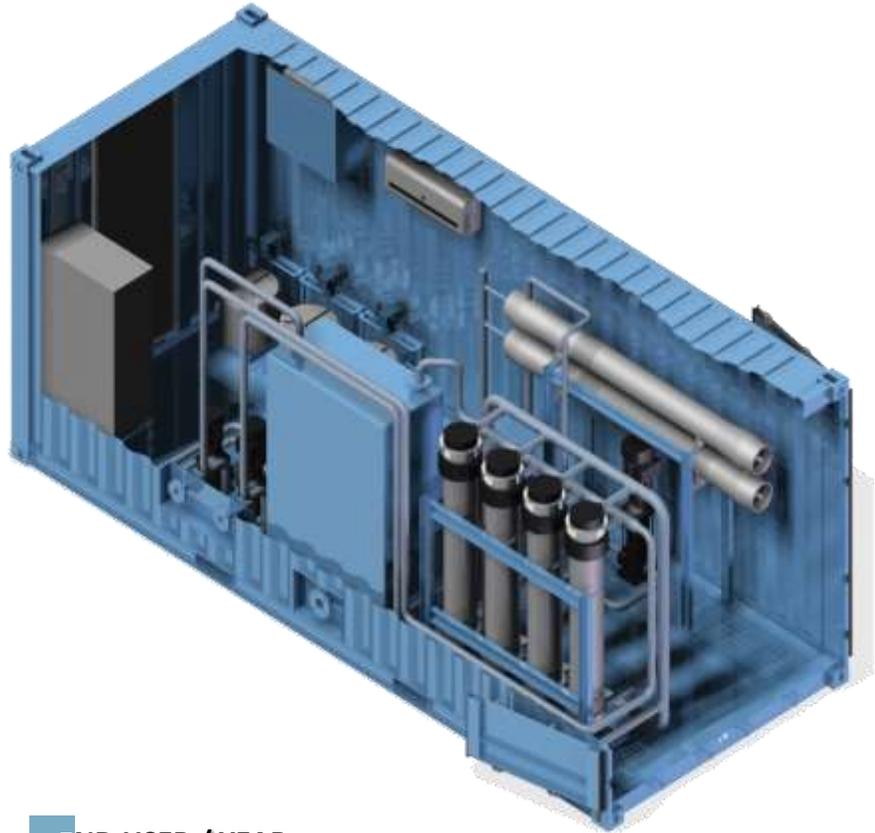
- Weight

UF UNIT
: 1,300 kg

RO UNIT
: 1,600 kg

- Power Consumption

: 30kW



END USER / YEAR

- Japan Water Agency (JWA)
- Deployed in 2013

DESIGN CONCEPT

- System Consist : UF UNIT + RO UNIT
- Compact design
- Easy installation and operation



PRODUCT PORTFOLIO

Mobile Water Treatment System For KICT

APPLICATION

- Mobile Water Treatment

WATER QUALITY

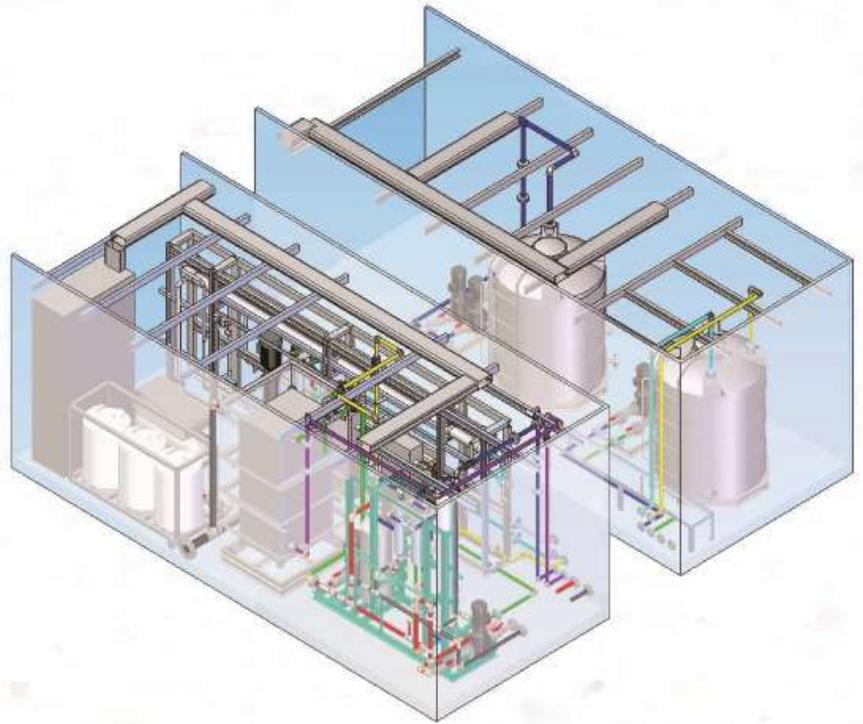
- Meets or exceed drinking water quality of latest edition of WHO standard

CAPACITY

- From Seawater
: 50 ton/day

SPECIFICATION

- Dimension
: 5,898 x 2,350 x 2,392 mm
- Weight
: 1,400 kg
- Power Consumption
: 15 kW



END USER / YEAR

- KICT(Korea Institute Construction Technology)
- Paju city, Korea
- Deployed in 2013

DESIGN CONCEPT

- System consist : MF UNIT + RO UNIT
- Compact design
- Easy installation and operation



PRODUCT PORTFOLIO

Mobile Water Treatment System For KICT

APPLICATION

- Mobile Water Treatment

WATER QUALITY

- Meets or exceed drinking water quality of latest edition of WHO standard

CAPACITY

- From Seawater
: 50 ton/day

SPECIFICATION

- Dimension
: 5,350 x 1,160 x 1,500 mm
- Weight
: 600 kg
- Power Consumption
: 1 kW



END USER / YEAR

- KICT(Korea Institute Construction Technology)
- Ulaanbaatar, Mongolia
- Deployed in 2013

DESIGN CONCEPT

- System consist : DMF UNIT + UV UNIT
- Compact design
- Easy installation and operation



PRODUCT PORTFOLIO

Mobile Water Treatment System for Bangladesh Residents

APPLICATION

- Drinking & Utility water for Bangladesh residents

WATER QUALITY

- Less than 500 ppm TDS
- Meets or exceed drinking water quality of latest edition of WHO and NSF Standard

CAPACITY

- From Brackish Water
: 16 ton/day

SPECIFICATION

- Dimensions
: 2,800 x 1,500 x 1,650 mm
- Weight
: 1,024 kg (at dry)
- Power Consumption
: 8.5 kW



END USER / YEAR

- MHI-TES
(Mitsubishi Heavy Industries Transportation Equipment Engineering & Service)
- 30 Units deployed in 2014
- Bangladesh

DESIGN CONCEPT

- System Consist
: UF Unit + BWRO Unit + CIP Unit(Separate Station)
- 2ton truck mounted type
- Compact design & Light weight

PRODUCT PORTFOLIO

Mobile Water Treatment System KRO-140-MTD-14

APPLICATION

- Brackish & seawater water treatment
- Military and Industrial use

WATER QUALITY

- Less than 500 ppm TDS

CAPACITY

- From Brackish water
: 140ton/day
- From Sea water
: 14ton/day

SPECIFICATION

- Dimensions
: 6,000 x 2,450 x 2,500 mm
- Weight
: 6,500 kg
- Power Consumption
: 22.0 kW
- Electric Generator
: 25kw Diesel Engine



END USER / YEAR

- ROK Army
- Deployed from 2021

DESIGN CONCEPT

- Truck integrated system
- System Consist : UF UNIT + RO UNIT(Double-Pass)
- Specially designed for military applications
- Quiet and vibration Free
- Urgent drinking water supply during warfare
- Field proven design : system in service for over 10 years

PRODUCT PORTFOLIO

Mobile Water Treatment System KRO-140-MTD-14

APPLICATION

- Surface, Brackish & seawater water treatment
- Military use (CBR treatment)

WATER QUALITY

- Less than 500 ppm TDS

CAPACITY

- From Surface water
: 225ton/day
- From Brackish water
: 140ton/day
- From Sea water
: 14ton/day

SPECIFICATION

- Dimensions
: 5,500 x 2,450 x 2,500mm
: 8,400 x 2,450 x 4,000mm
(incl Vehicle)
- Weight
: 7,000 kg
: 15,000 kg (incl Vehicle)
- Power Consumption
: 22.0 kW
- Power
: 25kw Diesel Generator
: 70kw Secondary Battery



END USER / YEAR

- ROK Army
- Deployed from 2022

DESIGN CONCEPT

- Truck integrated system
- System Consist : UF UNIT + RO UNIT(Double-Pass) + CBR filter
- Specially designed for military applications
- Quiet and vibration Free
- Urgent drinking water supply during warfare
- Field proven design : system in service for over 10 years