



Ready-to-Use Water Treatment Units



Irrigation



Drinking
Water



Industrial
Applications



Your water treatment expert



CONTAINERIZED DESALINATION UNITS FOR SEA & BRACKISH WATER

In response to the demand for rapidly deployable, modular, containerized water treatment systems, GES introduces the CAPSULE™ - pre-designed compact and robust solution for the sea and brackish water desalination.

CAPSULE™ is a feature-rich and technically superior system which provides the customer with the cost-effective and reliable water processing.

All plants are fully factory tested prior to dispatch thereby reducing installation and commissioning time on site.

ADVANTAGES

- Plug and Play, rapidly deployable unit
- Minimal civil works required
- Small footprint
- Modular unit allowing easy expansion
- Easy maintenance
- Low energy consumption
- Low chemicals consumption
- High-end, quality equipment



SEA WATER DESALINATION UNIT

Max daily capacity:	250 - 500 - 1,000 - 1,500 m ³ /d
Pretreatment Type	UF / MMF (**)
Feed TDS:	up to - 40,000 mg/l
Feed water temperature	12-32°C
Product TDS:	<500 mg/l (*)
Recovery rate	up to - 50%
Specific energy consumption	3.0 - 3.9 KWh/m ³ product

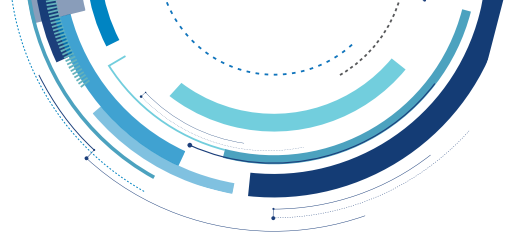
BRACKISH WATER DESALINATION UNIT

Max daily capacity:	500 - 1,000 - 1,500 - 2,000 m ³ /d
Pretreatment Type	UF / MMF (**)
Feed TDS:	up to - 5,000 mg/l
Feed water temperature	12-32°C
Product TDS:	<250 mg/l (*)
Recovery rate	Up to 80%
Specific energy consumption	0.5 -1.5 KWh/m ³ product

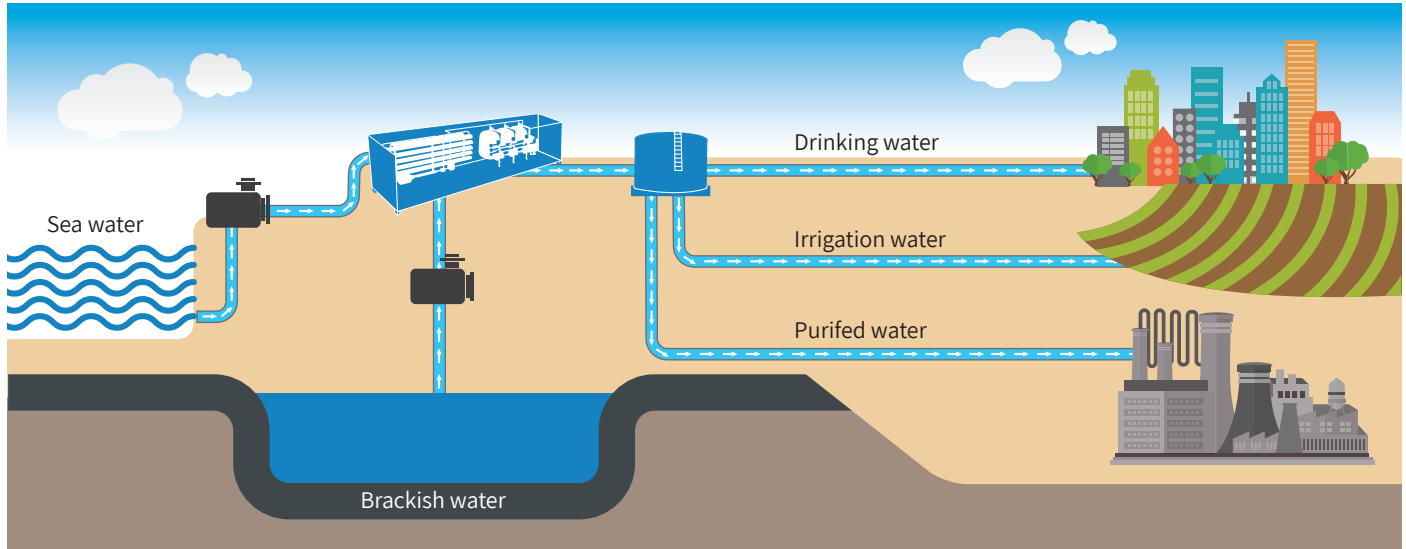
(*) Complies with WHO standards

(**) Units with daily capacity of 1,000 m³/d and above are available with UF pretreatment only





THE CAPSULE SERIES



CAPSULE APPLICATIONS



Irrigation



- Agriculture Irrigation
- Greenhouses
- Brackish water source
- Effluent water source



Drinking Water



- Municipal water
- Off grid locations
- Emergency water supply
- Resorts
- Construction sites
- Hospitals



Industrial Applications



- Power stations
- Refineries
- Petrochemical
- Cooling towers & Boiler feed
- Demin water pre-treatment

BASIC SCOPE

- Pre-treatment unit (MMF or UF)
- Desalination unit
- Energy recovery device (for seawater)
- Clean-In-Place unit
- Programmable Logical Controller (PLC)
- Motors Control Cabinet (MCC)
- O&M manual and operators training

OPTIONAL SCOPE

- Intake pump
- Enhanced pretreatment unit
- Re-mineralization unit
- Chlorination and pH adjustment station
- Electrolysis chlorination unit
- Delivery pumps
- Glass-fused-to-steel product storage tank
- Remote control module
- Thermal insulation
- Adaptation to 60Hz
- ANSI standard compatible as required

OPTIONAL SERVICES

- After sale support
- Extended warranty
- Remote monitoring
- Consumables and spare part supply
- Full hybrid power solution for off-grid locations
- Unified central remote control and management
- Smart Security with access control for theft prevention



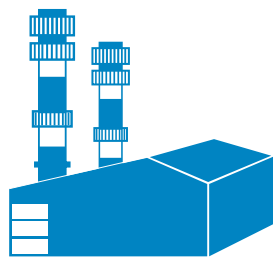


Founded in 1988, GES is a member of the Azrieli Group – one of the largest and most profitable Israeli holding companies, with a net annual operating income of more than USD 1.9 billion.

GES offers:

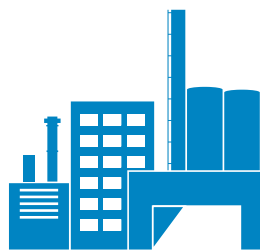
- Advanced, flexible water treatment systems that optimize CAPEX and OPEX
- Environmentally friendly solutions
- Compliance with the most stringent industry standards and regulatory requirements
- Treating wide range of water sources, including seawater, brackish, surface, or grid water
- Multi-disciplinary in-house expertise

BUSINESS AREAS



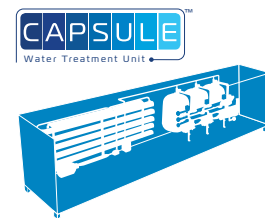
POWER STATIONS

Highest standard custom made demineralized and ultrapure water systems



INDUSTRIAL APPLICATIONS

Complex solutions for the variety of water and wastewater treatment applications, up to ZLD level



READY-TO-USE

Compact, modular, skid mounted or containerized water treatment solutions

