



SHAS Water Company Ltd.
شركة شاس ووتر المحدودة

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About SWC

STATE OF ART MANUFACTURING & TESTING
THE SHAS WATER Ltd. design a complete integrated water treatments system from feed water source to product water distribution. Applications include brackish and Surface water treatment and Seawater desalination for industrial or drinking water uses. Other systems included.

01 | Brakish water reverse osmosis plants (BWRO).

02 | Seawater reverse osmosis plants (SWRO).

03 | Sewage treatment plants (STP).

04 | Gray water treatment plants (CWT).

05 | Ion Exchange Demineralization

06 | Water Softening for domestic, commercial & industrial.

07 | Ultra Filtration (UF), Pressure Filtration & Micron Filtration System.



ION EXCHANGE DEMINERALIZATION

Ion exchange demineralization of water is frequently accomplished by in-plant deionizers which automatically regenerate on a pre-set frequency, consuming acid and caustic and discharging a waste stream containing high concentrations of the acid and caustic. These systems are expensive to purchase and are very maintenance-intensive. Service Deionization, also referred to as "Portable Exchange Deionization", uses tanks containing deionization resin plumbed into your process with flexible connectors and exchanged upon exhaustion by tanks regenerated at a Water Professionals Service Center.

WATER SOFTENING FOR DOMESTIC, COMMERCIAL & INDUSTRIAL

Some of the benefits of softened water

makes hair soft and easy to manage water has a clean, silky feeling-no more scum rinses completely away without staining removes existing scale in hot water and heating systems saves up to 50% of washing powder and toilet soap reduced use of shampoos, conditioners and cleaning products improves heating efficiency - just 1/16" of scale causes a 12% loss of efficiency independent studies have confirmed that cleaning time is reduced with softened water.

GRAY WATER TREATMENT

Grey water is wash water. That is, all wastewater excepting toilet waste and food wastes derived from garbage grinders. There are significant distinctions between grey water and toilet wastewater (called "black water"). These distinctions tell us how these wastewaters should be treated /managed and why, in the interests of public health and environmental protection, they should not be mixed together.



Sewage treatment plants (STP)

Complete solution for Sewage Water Treatment Plants and Recycle. The Sewage from the residential and commercial buildings & industrial is treated for reduction in BOD, COD & TSS in order to comply with the pollution control board standards for disposal, gardening, flushing and other non-potable purposes.

Reliability that you can trust!

Low capital cost.

High reliability
& High efficiency

100% product testing
& Easy operation

Less scheduled
maintenance

Lowest cost permeate



VISION

Advance Beyond Traditional Roles:

Transition from being solely an Engineering, Procurement & Construction (EPC) firm to a comprehensive solutions provider and project management company.

Define Unique Selling Propositions:

Differentiate itself through technological leadership and a commitment to sustainable environmental resource management, thereby adding significant value to both customers and society.

Why Use SWC

Manufacturing Capabilities

Total In-House
Manufacturing



Total control over quality
& machining Tolerances.



Control over scheduling
& shipping dates.





SEA WATER REVERSE OSMOSIS

We offer a full range of Seawater Desalination Reverse Osmosis Systems. Seawater reverse osmosis systems feature advanced and high rejection Reverse Osmosis (R/O) technology. SWC designs are state-of-the-art, optimizing efficiency, reliability, product water quality, and overall low cost per unit of water.v



BRACKISH WATER REVERSE OSMOSIS

Reverse Osmosis Systems are designed using high quality select components. The Reverse Osmosis unit will be built based on the customer's requirements, especially where space is limited. A containerized seawater Reverse Osmosis system can be built for easy site installation or when mobilization of the unit is required.

Ultra Filtration (UF), Pressure Filtration & Micron Filtration System.

UF systems treat process water & wastewater to reduce suspended solids, organics & microbes through membrane pore sizes from 0.01 to 0.1 microns. Pressure cartridge filters from 5-100 microns effectively clarify feedwater by removing particles like algae & silt. Bag and cartridge filters with 1-10 micron ratings provide basic filtration for industrial applications. All systems are designed, installed & supported to meet discharge or reuse standards.