90 m³/h Containerized Seawater RO

A non-project-specific overview of one modular SWRO arrangement

REFERENCE CONFIGURATION

Reference design item	Indicative arrangement
Nominal product-water capacity	90 m³/h in the reference arrangement
Container configuration	3 × 40 ft HQ containers; 30 m³/h per container
RO train configuration	Two parallel 15 m³/h modules per container
Cleaning and energy recovery	CIP connections in the baseline; energy recovery is an option subject to engineering
Future capacity	Expansion towards 180 m³/h may be assessed with additional modules and site utilities

TREATMENT TRAIN - SIMPLIFIED

PRETREATMENT		SWRO		PRODUCT WATER
Feed conditioning, filtration and dosing as required	→	High-pressure pumps and seawater RO membranes	→	Storage and post-treatment selected for end use

Engineering notes. The process and pretreatment must be selected from representative feed-water analysis and the intended product-water use. Confirm intake, concentrate management, utilities, footprint, membrane cleaning, materials and applicable discharge requirements during detailed design.

Basis: This is an illustrative engineering arrangement, not a project completion record, quotation or performance guarantee. Flow, water quality, installation needs and final equipment selection are subject to the approved project design.