



Cleantech Solutions.  
Anywhere.



**Ilalco**  
Fluid Technology

# EVAC ROSYS

## Custom-made reverse osmosis plants



## Benefits

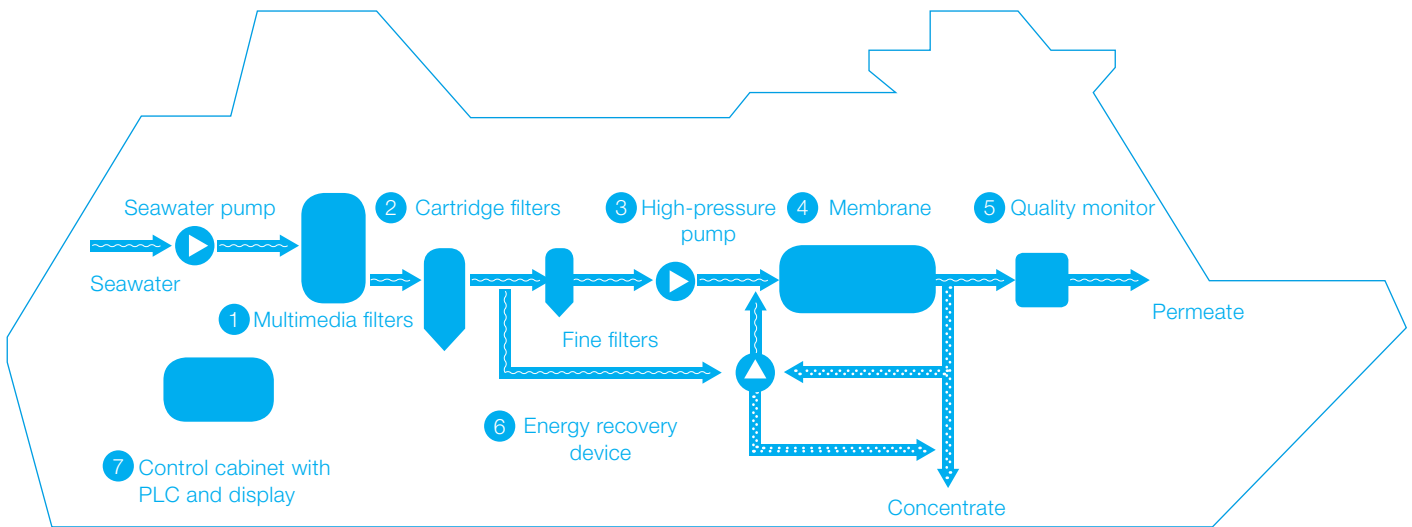
- Energy efficient
- Tailor made for your specific application
- User-friendly control interface
- Automatic backwashing of multimedia filters without interrupting freshwater production
- High-pressure piping constructed from seawater-resistant duplex steel
- Long membrane lifetime enabled by automatic flushing after each shutdown
- Fast, professional service available around the world via our global network of service centers
- Fast, reliable spare parts delivery through our extensive global distribution network



# EVAC REVERSE OSMOSIS PLANTS

Evac reverse osmosis (ROSYS) plants are reliable systems for the generation of freshwater. They can be configured for freshwater production capacities of between 20 and 1,200m<sup>3</sup> per day. Evac's core area of expertise is custom-made ROSYS plants that fit into any available space on board.

Evac ROSYS technology is suitable for both new-build projects and retrofit or modernization of existing freshwater plants. Our full-service offering includes design, construction, delivery, and after-sales support, as well as installation supervision, testing, commissioning, and plant optimization.



**1 Multimedia filters:** The filters are filled with garnet and gravel particles of various sizes and ensure effective removal of suspended solids. A low filter velocity guarantees high removal efficiency and lower cartridge filter consumption.

**2 Cartridge filter:** 3 µm (nominal) and 10 µm (absolute) filters are used to remove suspended solids efficiently. The cartridge filter protects the high-pressure (HP) pump, energy recovery system, and membrane.

**3 High-pressure pump:** The ROSYS is equipped with an axial piston pump that ensures high efficiency and therefore low energy consumption.

**4 Membrane:** To produce high-quality freshwater, our spiral-wound semi-permeable membrane modules have high salt retention while using little energy.

**5 Quality monitor:** Automatic discharge of water that does not meet USPH requirements.

**6 Energy recovery device:** Our ROSYS systems are equipped with a state-of-the-art energy recovery device that enables energy savings of up to 65%.

**7 Control cabinet:** Our fully automatic ROSYS systems are equipped with PLC and a comfort touch panel.

RELATED PRODUCTS: • 1. Food waste System • 2. Dewatering Unit • 3. Grease Separator  
• 4. Refrigerated Compactor • 5. Refrigerated Bale Storage



Evac is the world's leading provider of integrated water and waste management systems, as well as corrosion-protection systems, for the marine, offshore, and building industries. Our cutting-edge solutions and services have been helping leading global players in these industries to significantly reduce their environmental footprint for 40 years. With offices in 14 countries across four continents and representatives in more than 70 countries, we pride ourselves on being close to our customers wherever in the world they are located.



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