



From Seawater to Drinking Water in One Box

Nirobox™, a State-of-the-Art Seawater Desalination Plant, Supplies High-Quality Drinking Water for 500 to 20,000 People per Day.

Offering a low carbon footprint and minimal maintenance, Nirobox is an economical and efficient solution to the drinking water needs of small communities, mining sites, oil & gas operations, islands, and remote locations. We offer 5 pre-engineered systems treating up to 1,000 cubic meters per day (or 264,000 gallon per day).

Three Advanced Technologies

One Cost-Efficient System

1. Advanced Ultrafiltration (UF) pretreatment ensures continuous trouble-free operation.
2. High efficiency Reverse Osmosis (RO) membranes reduce operating pressure and energy.
3. Isobaric chamber Energy Recovery Device (ERD) reduces energy requirements.

All Housed in One Box.

NIROBOX

Danfoss

iSave™

The pretreatment, Seawater Reverse Osmosis (SWRO) treatment, and posttreatment equipment are all housed in one 40-foot container, saving space, conserving energy, and enabling easy installation and relocation. With its small footprint, the plug-and-play-systems are ideal for construction sites, mining camps, remote communities, and more.

Low Energy Needs & Only Bio Additives

The membrane-based treatments (UF and RO) provides cost-effective and trouble-free operation and offers a low carbon footprint. Nirobox offers the best price performance of any system in its class.

Pretreatment Standard Features

- ▶ Self-cleaning disc filter
- ▶ Hollow fiber UF modules
- ▶ Backwash and Bio-Added Enhanced Backwash (CEB) system

SWRO Standard Features

- ▶ Bio-additive injection system
- ▶ High-pressure pump
- ▶ iSave® ERD
- ▶ High-performance RO membranes

Posttreatment Standard Features

- ▶ Remineralization
- ▶ Disinfection

Optional Add-On Features

- ▶ Dissolved Air Flotation (DAF) pretreatment
- ▶ Second RO pass
- ▶ Electrodeionization (EDI) polishing posttreatment

Quick and Easy Installation & Operation, Anytime, Anywhere

Nirobox offers convenient monitoring and control through a lightweight tablet and GSM/WiFi connection. This allows the system operator to undertake full monitoring and analysis of the process and the realtime status of system performance.

After-Sales Service & Maintenance

Nirosoft's expert team of technicians offers professional service and support:

- ▶ Realtime assistance from trained technicians via Skype or toll-free number
- ▶ Online monitoring by remote access
- ▶ Scheduled service and maintenance

RWL Water has more than 90 years of combined experience building highly successful water, wastewater, and reuse solutions for diverse industries, and municipalities around the world.

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