

Containerised RO Desalination Hire Plant

Description

The RO container provides short or long term service where drinking or process water is needed. Purpose built within a standard ISO 20' shipping container thus allowing easy transport and positioning in most circumstances. Previous applications have included temporary placement on ships. The ease of mobilization also makes the plant ideal for emergency situations to temporarily replace existing desalination plants or replace the supply of treated water.

The plant comes complete with pre-treatment and post treatment which allows direct replacement for complete existing water treatment systems and allows correct specification treated water. The touch screen interfaced PLC allows simple and user friendly operation with software controlled cleaning and automatic flushing and backwashing. The fully automated plant is controlled from level switches in the integral potable water tank, from which a product forwarding pump can supply external storage tanks at up to 4 Barg pressure.

The plant, once initially set up can be started and stopped at the press of a button, making it easy for use after on-site set up.



Further chemical and equipment data sheets are available on request.

Containerised Plant Features

- Up to 100m³/day production
- Built within transportable shipping container
- Integrated pre-treatment and post treatment
- Climate controlled
- Compatible with both pressurised and non-pressurised supplies
- For use with brackish or seawater

Specifications

Dimensions	
Length	20' (6.1m)
Height	8.5' (2.6m)
Width	8' (2.44m)
Shipping Weight	12,900Kg

Plant Details	
Required Feed Flow	up to 10m ³ /hr (up to 50m ³ /hr for filter backwashing)
Required Inlet Pressure	Flooded to 6 Barg
Permeate Flow	up to 5m ³ /hr

Electrical Details	
Power Required	380 to 440V 3 Phase 50 or 60 Hz (180A)

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