



## Fresh Water Generator (RO Type)

Reverse Osmosis is most commonly known for its use in drinking water purification from seawater, removing salt and other substances.

Reverse Osmosis is the process of forcing a solvent through a membrane from a region of high solute concentration to a region of low solute concentration by applying a pressure in excess of the osmotic pressure.

- ▶ Capacity : 5 ~ 20 Ton/day & Maximum 200 Ton/day
- ▶ Product Water Quality : Less than 10 or 500 ppm TDS

### Compact Size Modular



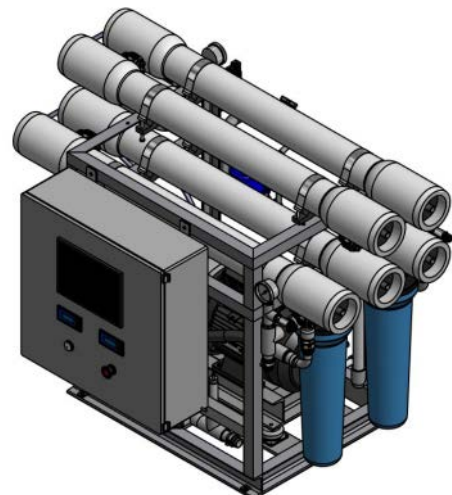
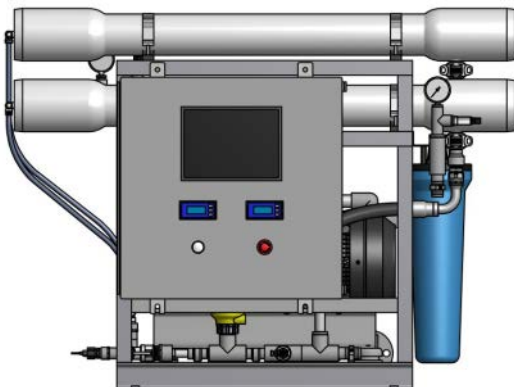
#### ▶ **Standard Features**

- Paint coated carbon steel frame
- 2.5", 4", 8" Spiral wound RO membranes
- SUS316 Centrifugal pump
- FRP membrane housings
- 5 Micron cartridge prefilter
- 440V/3Ph/60Hz Power requirement
- Local control panel
- Low/high pressure switch
- Liquid filled pressure gauges
- Permeate conductivity monitor
- Permeate & Feed or concentrate flow meters
- Pipe material : UPVC, SUS316

#### ▶ **Available Options**

- Membrane cleaning system
- 220V or 380-415V/3ph/50 or 60Hz
- Feed pH & ORP monitor with sensor
- Water and hour meters
- Multi media pre-filtration systems

### ▶ 3D Modeling View



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### Installation View



- ▶ Project : KG D6 RUBY FPSO
- ▶ Model : SK12-SRB72
- ▶ Client : Samsung Heavy Industries

### Installation View



- ▶ Project : DWT 6,800 Product / Chemical Tanker
- ▶ Model : SK12-SRB10
- ▶ Client : Dae Sun Shipbuilding & Engineering