



Reverse Osmosis Skids – BEL's package

BEL GROUP, world specialist manufacturer of composite made Pressure Vessels and other equipment for water industry, has developed and enhanced a new area based on the design and manufacture of skids of medium size, able to be easily transported, based on the customer space requirements, PID, etc.

These racks, upon request, would be based on the multiport systems, as the powerful tool actually in the desalination systems and all the advantages of this kind of configurations – save of piping, reduced footprint, welding, labor cost, etc. among others.

The skids will be designed according to our customers' needs on ex-works BEL facility Murcia, Spain basis.

BEL's standard scope of supply ***

- **Pressure vessels**

according to the design

- **Skid frame**

Manufactured with Carbon Steel beams sandblasted and 4 layers painted.

- First Layer - 70~75 µm Zinc Epoxy
- Second and Third Layer - 70~75 µm Epoxy, chrome and lead free.
- Fourth Layer – Finishing layer – 30 ~ 35 µm Polyurethane Epoxy.

- **High Pressure pipes (Feed & Concentrate)**

- Seawater systems – Super Duplex – PREN > 40
- Brackish water systems – Stainless Steel 316L

* *Scope includes feed and concentrate manifolds with a Victaulic grooved pipes to be assembled by others to the process skid (filtration, HP pumps, energy saving system, chemical cleaning, etc) exncluded any valve*

** *Not included any pressure test at the High pressure pipes.*

- **Low Pressure pipes (Permeate outlet)**

Permeate connections – PVC-U (or other), with 3-way valves at permeate exit of each vessel and fittings ready to install the sampling pipes for permeate test.

* *Sampling Pipes are not included.*

** *6 bar pressure test in permeate circuit.*

- **Victaulic couplings**

Between the headers and the vessels – (feed & concentrate manifold)

*** *Scope Of Supply could be discussed according to customers' needs.*



Skid sample drawing



