



Reverse osmosis

Référence : OSM/3000



Reverse osmosis membrane filtration process. Osmosed water production

GENERAL SPECIFICATIONS

- 200L graduated tank.
- SS multi stage centrifugal pump.
- Reverse osmosis module: casing, polymer filament membrane.
- Permeate circuit: sampling valve, flow rate measurement and 100L polyethylene storage tank, graduated.
- Retentate circuit: sampling valve, pressure retaining valve, 100L graduated storage tank.

Instrumentation

- 3 manometers.

- 3 PVC flowmeters
- 2 combined probes (conductivity and temperature) with portable electronic indication.

Dim : 200 x 80 x 195 cm – 125 kg
 SS tubular framework 40 x 40mm

Categories: Educational Engineering Environment Reverse osmosis

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DESCRIPTION

Study the reverse osmosis process for water and various NaCl solutions

Determine the osmotic pressure of water

Van 't Hoff equation

Determine how the overall retention of the module varies with the filtration pressure and initial Concentration of the salt solution

Variation in the conversion rate of the membrane

Qualitative and quantitative comparison with experimental data

Material balance

Influence of pressure on osmosed water production rate



Unités livrées avec un manuel pédagogique et dossier technique



Possibilité d'adapter les unités à vos besoins



Mise en service, formation des formateurs