



# Depleted Brine Concentration

## Highlights

Concentration of depleted brine from typically 190 g/l to 310 g/l:

- $\text{Na}_2\text{SO}_4$  can be removed by crystallization and filtration
- Sodium iodide can be extracted selectively

## Feedstocks

Depleted brine from chlor-alkali plants – all concentrations

## Process Characteristics

1. Split feed to reduce equipment size
2.  $\text{Na}_2\text{SO}_4$  discharged as solid to minimise NaCl losses
3.  $\text{NaClO}_3$  discharged in purge
4. Exact control of return brine concentration
5. High plant availability

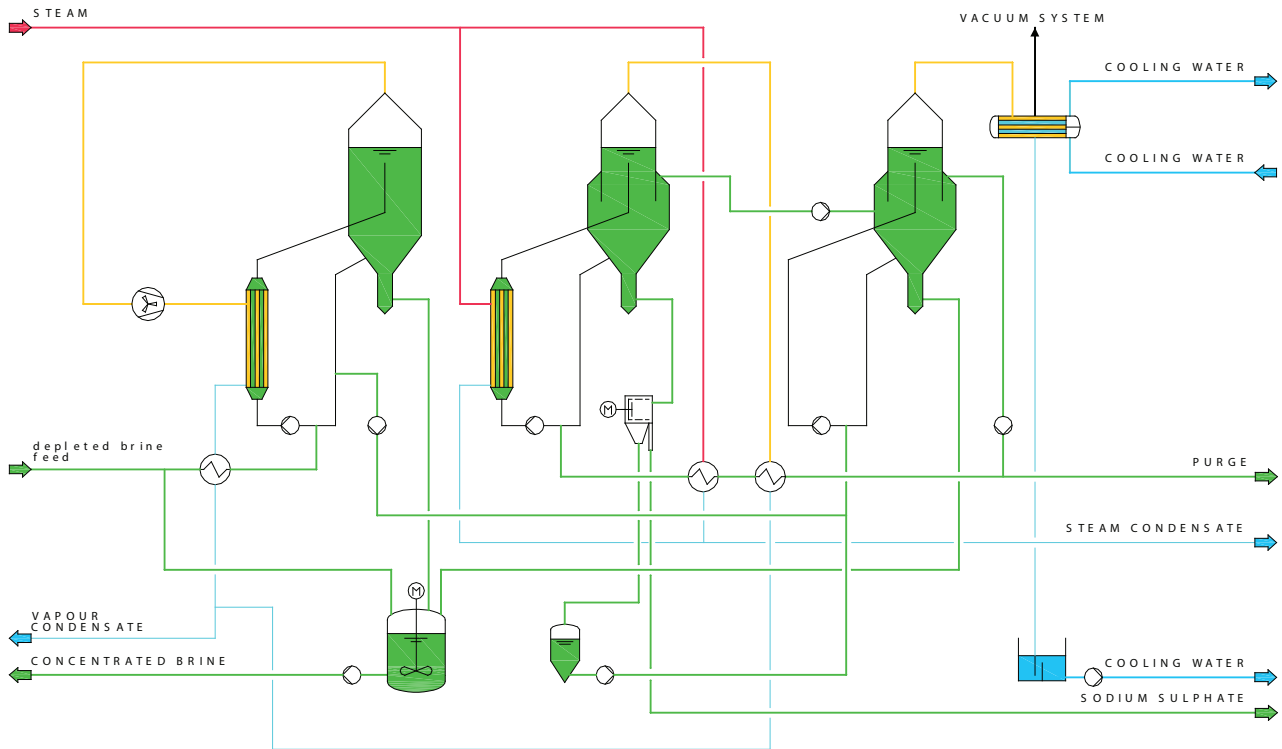


Circulation Pump



Dry Salt Conveying

## Typical Flow Diagram for Granules



### Plant Characteristics

- Plant configuration tailored to process requirements
- Evaporators well suited to solids handling
- MVR or multiple effect depending on utility costs
- Exact product concentration
- High quality condensate recovered