Depleted Brine Concentration

Highlights
Concentration of depleted brine from typically 190 g/l to 310 g/l:
• Na₂SO₄ 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. Na₂SO₄ discharged as solid to minimise NaCl losses
3. NaClO₃ discharged in purge
4. Exact control of return brine concentration
5. High plant availability
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