



Crystallization by cooling

Référence : CRV/2000



Concentration and crystallization of an inorganic solution

Comparison of a batch process and a continuous process

GENERAL SPECIFICATIONS

Evaporation section:

- 20 L feeding tank.
- Dosing pump.
- Glass Heater with SS electrical resistance.
- Glass and SS coil condenser.
- Graduated glass receiver.

Crystallization section:

- Glass vessel. SS helix stirrer. Submersed SS coil for cold water circulation.
- Cooling circuit.

Instrumentation

- 5 temperature probes Pt100Ω.
- 2 PVC flowmeters

Dim : 175 x 70 x 200 cm – 170 kg
SS tubular framework 40 x 40mm

Categories: Chemical processing Crystallization Educational Engineering

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DESCRIPTION

Study of the evaporation process

Mass balance on the evaporator

Thermal balance on condenser

Study of the crystallization by cooling process

Seeding of supersaturated solution

Monitoring of cooling rate by thermal balance

Mass balance on crystal production



Unités livrées avec un manuel pédagogique
et dossier technique



Possibilité d'adapter les unités à vos
besoins



Mise en service, formation des
formateurs