



# Evaporation crystallization

Référence : CRV/3000



**Synthesis, dissolution, crystallization with concentration by evaporation**

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## GENERAL SPECIFICATIONS

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### Evaporation concentration

- 20 L polyethylene tank.
- Dosing pump.
- ND 200 glass reactor, 10 L, glass double jacket, 0,1m<sup>2</sup> stainless steel coil.
- Cover, ND200.
- Stirring.
- Reflux ratio head with manual setting.
- ND 50 glass condenser, SS coil.
- SS condensate coolant.



- Graduated glass receiver, 5 L.
- 1 L funnel, glass, graduated.

## **Cristallization**

- ND 150 glass crystallizer, 5 L capacity.
- Cover with loading hatch for feeding.
- SS coil with setting valve.
- Stirring.
- Cold water circuitry
- Control vacuum circuitry

**Dim** : 220 x 100 x 230 cm – 200 kg  
SS tubular framework 40 x 40mm

**Categories:** Chemical processing Crystallization Educational Engineering

**Reference:** CRV/3000

## **DESCRIPTION**

### **Study the evaporation process**

Mass balance on the evaporator

Thermal balance on condenser

### **Study of crystallisation by cooling process**

Seeding of supersaturated solution.

Monitoring of cooling rate by thermal balance

Mass balance on crystal production

### **Implement a batch process and a continuous process**



Unités livrées avec un manuel pédagogique  
et dossier technique



Possibilité d'adapter les unités à vos  
besoins



Mise en service, formation des  
formateurs