



Solid liquid adsorption

Référence : ADS/1000



Solid liquid adsorption in one column

GENERAL SPECIFICATIONS

- Feeding tank, polyethylene, 20 L with draining valve.
- Feeding pump.
- Electric preheater with temperature measurement and control.
- Glass column, DN40 height 1 m, feeding, sampling and vent valves.
- System for easy handling, charging and cleaning of the column
- Storage tank, polyethylene, 20 L.
- Heating group (option O3).
- Desorption under nitrogen circuit.

Instrumentation

- A float flow meter.

- A Pt 100 Ω temperature sensor.
- Two digital thermometers.
- Two pressure dial gauges.

Dim : 100 x 62 x 198 cm – 80 kg
Aluminum profile framework

Categories: Adsorption Chemical processing Educational Engineering

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DESCRIPTION

Study adsorption process on activated carbon

Influence of temperature, flow rate and liquid phase concentration parameters

Mass balance and calculation of adsorption number

Demonstrate saturation of carbon: column breakthrough graph

If option, study of the influence of temperature on adsorption process

Study desorption processCompare desorption in gaseous phase

Mass balance of desorption cycle



Unités livrées avec un manuel pédagogique
et dossier technique



Possibilité d'adapter les unités à vos
besoins



Mise en service, formation des
formateurs