



Liquid liquid extraction and recovery

Référence : ELA/3000



Liquid-Liquid extraction process without inflammable solvent or organic compounds

Phase recovery by volatile adsorption process

2 units coupling:

Stirred liquid-liquid extraction

Liquid solid adsorption

GENERAL SPECIFICATIONS

- 2 peristaltic pump, integrated on/off.
- 2 Glass decanter.
- Glass column.
- Stirring shaft, made of 27 SS Rushton type stirrers, variable frequency motor.
- 4 sampling ports.

Dim (extraction): 140 x 60 x 240 cm – 120 kg
SS tubular framework 40 x 40mm

Categories: Chemical processing Educational Engineering Extraction

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DESCRIPTION

Extraction process

On the base of a stirred liquid-liquid extraction process, this column allowed to extract the methylene blue solved in a saline aqueous solution by a polymer solution. The polymer enrich in methylene blue can be regenerate by an adsorption process who fixed the extract methylene blue.

Clean process delivered with reagents kit

Aqueous solvent only

Recycling solutions

Safe and biodegradable

Use of a ternary diagram

Mass balance

Determination of the column efficiency



Unités livrés avec un manuel pédagogique et dossier technique



Possibilité d'adapter les unités à vos besoins



Mise en service, formation des formateurs