

**7**PIGNAT

# **Batch continuous distillation**

Référence : DVI/3000



## Operate a continuous distillation process

Operate a batch distillation process

#### **GENERAL SPECIFICATIONS**

- Metering pump.
- Electrical pre-heater.
- 3 feeding level on the column.
- 6 L glass shell heater equipped with a resistance overflow tube.
- Glass Column with Multiknit packing and SS Sampling flange.
- Glass reflux head, with reflux dividing solenoid valve.
- · SS & glass coil condenser.
- 2 graduated glass receivers, 1 L.

#### Safety

Venting thermostate.

- Pressure relief on the preheater.

#### Instrumentation

- Temperature probes Pt100Ω.
- 1 differential pressure transmitter.
- 1 flowmeter.
- 1 level sensor.
- 1 touch screen with data acquisition.

**Dim**: 150 x 70 x 240 cm - 150 kg

Categories: Chemical processing Distillation Educational Engineering

Reference: DVI/3000

### **DESCRIPTION**

#### Distillation or rectification:

The distillation process separates several volatile liquids, simple or complex mixtures,

by a series of vaporisation and condensation steps.

A number of liquids may be separated in this way if their boiling points are sufficiently different.

Continuous distillation separates a mixture into fractions: a volatile fraction, the distillate

extracted at the column head and a heavy fraction, the residue extracted at the bottom of the column.

## Characterization of a distillation efficiency

Determination of the theoretical

Number of plates

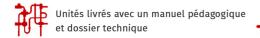
## Influence of the operating parameters

Preheating temperature

Feed rate

Reflux ratio

Column pressure drop





Possibilité d'adapter les unités à vos besoins



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