

Pilot Plants



CONTROLLED ABSORPTION & REGENERATION UNIT



DESCRIPTION

Equipments adapted to technical and professional formation in the range of chemical engineering. Complete set of equipments with different levels of computerization.

Topics :

- ✓ Absorption
- ✓ Adsorption
- ✓ Crystallizations
- ✓ Distillation
- ✓ Ebulliometry
- ✓ Extraction
- ✓ Evaporation
- ✓ Filtration
- ✓ Fluidization
- ✓ Reaction
- ✓ Wastes treatment

CONTROLLED ABSORPTION & REGENERATION UNIT

• Educational goals :

- ✓ Pilots+ allows work on an industrial scale in various fields : chemical engineering, maintenance, supervision
- ✓ Understand the continuous absorption process

CONTROLLED DISTILLATION UNIT

• Educational goals :

- ✓ Pilots + allows to work on industrial scale in various fields : chemical engineering, maintenance, supervision
- ✓ Understand the continuous distillation process

Educational goals :

- CO2 capture technology implementation
- Controlled process made up of several control loop
- Liquid – Gas absorption process
- Solvent regeneration process (degassing with heat)
- Process effectiveness study : mass balance, thermal balance, yield