

DISTILLATION COLUMNS RECTIFICATION & FRACTIONATION

NATURE & TECHNOLOGIES, expert in column distillation,
delivers batch and continuous units for the following applications:



NATURAL EXTRACTS

- Deterpenation of essential oil.
- Purifying isolates: eugenol, cineol, limonene.
- Removing allergens.



OLEOCHEMISTRY

- Unsaponifiables.
- Biodiesel.
- Glycerine.
- Food grade oil refining.



CHEMISTRY AND BIOTECH

- Purifying synthetic crude or from fermentation.



REGENERATING SOLVENTS

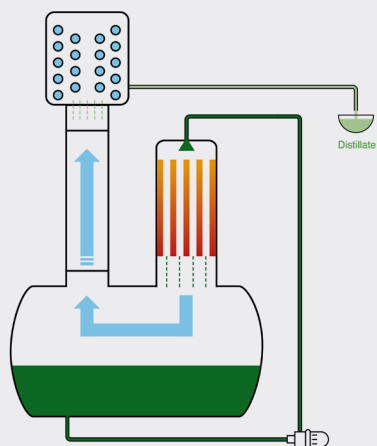
- Ethanol.
- Acetone.
- Methanol, etc.



Our know-how

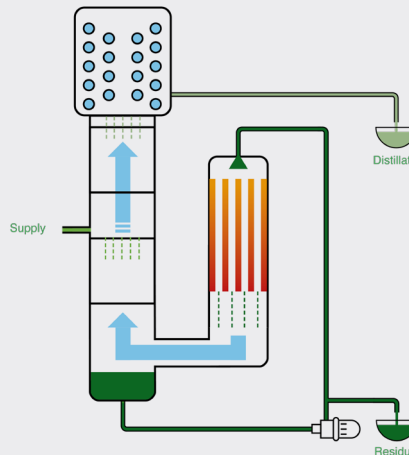
- Historic knowledge of natural compounds.
- Expertise in process simulation combined with operational feedback.
- Recognized expertise in high-vacuum distillation.
- Dedicated to high-performing, energy-optimized solutions.

NATURE & TECHNOLOGIES, expert in a wide range of raw materials, works hand-in-hand with you to define your needs.



Batch column

- Perfect for complex mixture with high composition variability, ensures you can purify one or more compounds.



Continuous column

- Perfect for mixture with monitored composition, ensures you can process substantial volumes.

Efficiency
Up to 100 theoretical stages

Pressure
Atmospheric pressure to 0.5 mbar

Reboiler (batch)
Up to 20 m³

Flow (continuous)
5 to 5,000 kg/h

Diameter
100 to 2,500 mm

Temperature
Up to 350°C

Heating
With jacket, falling film, wiped film

Others
Manual to full auto ATEX

Supported by **WiNatLab™**

- Expertise and precise knowledge of natural origin compounds
- Process simulation with ProSimPlus
- Qualification trials on pilots

A customer service and a dedicated team on hand for you:

- Maintenance contract
- Revamping expertise
- Process support
- Retro-engineering with simulation software



< VISIT US

NATURE & TECHNOLOGIES
225, Route de Cannes - 06130 Grasse Cedex, France
nature-technologies@groupeadf.com 

GROUPE ADF head office
La Bastide Blanche - Bat G - 13746 Vitrolles Cedex, France
Tel. +33(0)4 42 77 48 50

