

DISTILLING ESSENTIAL OILS & HYDROLATS

NATURE & TECHNOLOGIES, historic natural raw materials specialist, delivers an extensive range of distillation units tailored to every raw material.

Application markets



Perfumery



Cosmetics



Flavourings



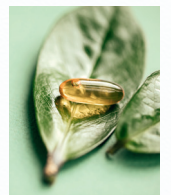
Functional ingredients



Biocontrol



Nutraceutical



Pharmaceutical



Our added value:

- ✔ Expert knowledge of raw materials and essential oils.
- ✔ Energy- and effluent-efficient solutions.
- ✔ Enhanced user-friendliness: loading, unloading, automation.
- ✔ Finishes comply with cosmetic and food market requirements.
- ✔ Supply of single units and complete development of distillery projects.
- ✔ Bespoke production.

Raw materials

Seeds



Leaves



Wood / Bark



Gums / Resins



Grasses



Roots



Rhizomes



Flowers



Fruits



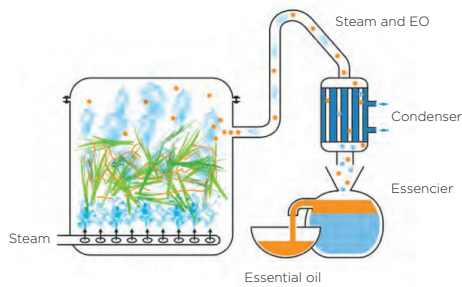
Flowering branches



VEGETAL EXTRACTION

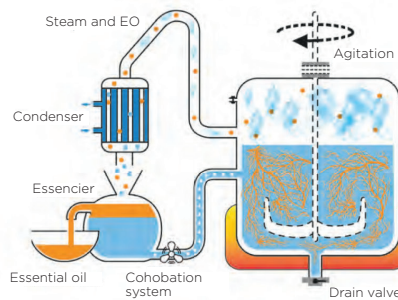
NATURE & TECHNOLOGIES, expert in a wide range of raw materials, works hand-in-hand with you to define your needs.

DIRECT STEAM DISTILLATION



At atmospheric pressure or pressurised (to 2.5 bar) for difficult materials and energy optimization

HYDRODISTILLATION WITH OR WITHOUT AGITATION



Florentine Vask:

A key component for improving yield, tailored to each essential oil:

- Light or heavy oil
- Coalescing pas
- Temperature adjustment

Distillation unit capacity from 50L to 10,000L

UNITS	TYPE OF DISTILLATION	PRESSURE	AGITATION	RAW MATERIALS	ACCESSORIES	ADVANTAGES
202	Hydrodistillation	Atmospheric pressure	✓	Powdered plants, seeds, etc.	Gravity cohobation	-
206	Direct steam injection	Atmospheric pressure	-	Bulk plants		Economic
208	Hydrodistillation	Atmospheric pressure	-	Rose and orange blossom	Collecting floral water	Dedicated solution
254	Hydrodistillation	Pressurised (2.5 bar)	✓	Powdered plants, seeds, etc.	Pump cohobation	Energy-efficient
256	Direct steam injection	Pressurised (2.5 bar)	-	Bulk plants		Energy-efficient
256 modified	Direct steam injection/ Hydrodistillation	Atmospheric pressure/ Pressurised (2.5 bar)	✓	All types of plants	Pump cohobation	Versatile, high-productivity solution
Special powder	Dry distillation	Atmospheric pressure/ Pressurised (2.5 bar)	✓	Powders		Innovative solution

Supported by **WiNatLab™**

- Access to an extensive library of plants to distil
- Application, regulatory, market expertise
- 80L pilot for all types of distillation trials: optimizing yield and quality

Did you know?

- We also deliver hydrolat pasteurization solutions.

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

- Maintenance contract
- Revamping expertise
- Process support



< VISIT US

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