

SHORT PATH DISTILLATION & WIPED FILM EVAPORATORS

NATURE & TECHNOLOGIES boasts over 20 years' experience in distilling heat-sensitive and high-boiling products.



Natural extracts and essential oils



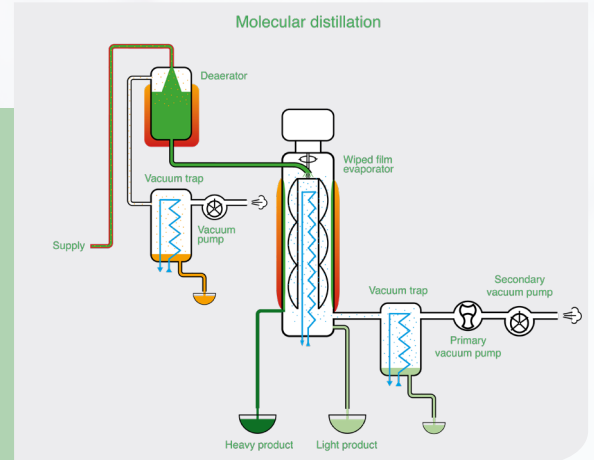
Oleochemistry and vegetable oils



Biotech and chemistry



Plastics and polymers



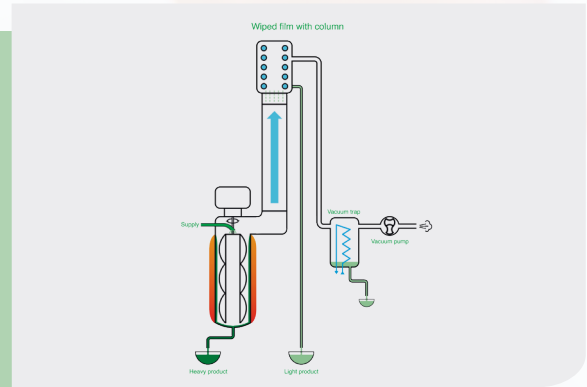
- It is vital when distilling high-boiling compounds as it delivers distillation pressure of up to 10^{-3} mbar.
- Reduces holding time for heat-sensitive products.
- Enables distillation of highly viscous products.
- Up to 95% distillation rate.

NATURE & TECHNOLOGIES, expert in a wide range of applications, works hand-in-hand with you to define solutions and process parameters.




Typical applications


- Distilling unsaponifiables, mono and diglycerides.
- Dewaxing.
- Removing pesticides and contaminants.
- Refining vegetable oil.
- Purifying cannabis oil.
- Co-distilling aromatic compounds.
- Decolourizing essential oils.
- Citrus expertise.





Wiped film evaporator with column:


By compromising on pressure, it improves the selectivity of compounds with lower relative volatilities.

 **Heat exchange surface**
0.06 to 20 m²

 **Temperature**
Up to 350°C

 **Agitation**
Rollers or scrapers
PTFE, PEEK and others
if required

 **Others**
Manual to full auto
Storage management
CIP station
ATEX

 **Vacuum pump**
Rotary vane pump
Diffusion pump
Screw pump

 **Vacuum**
1 to 10⁻³ mbar

Supported by **WiNatLab™**

- Expertise and precise knowledge of compounds of natural origin
- 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

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