

[PRESENTATION]

In the frame of its diversification strategy, Stella now offers toll-manufacturing / processing services through a state of the art technology : a full and flexible molecular distillation processing unit (wiped film and short-path evaporators).



MOLECULAR DISTILLATION

Molecular distillation is a simple distillation which allows the purification of products with high molecular weights, with high boiling or melting points, with high viscosities or thermally sensitive.

This type of distillation is carried out under very strong vacuum, limiting processing temperature.

Its purpose is to separate light fractions from heavy fractions using a thin film evaporator, thereby reducing the residence time.

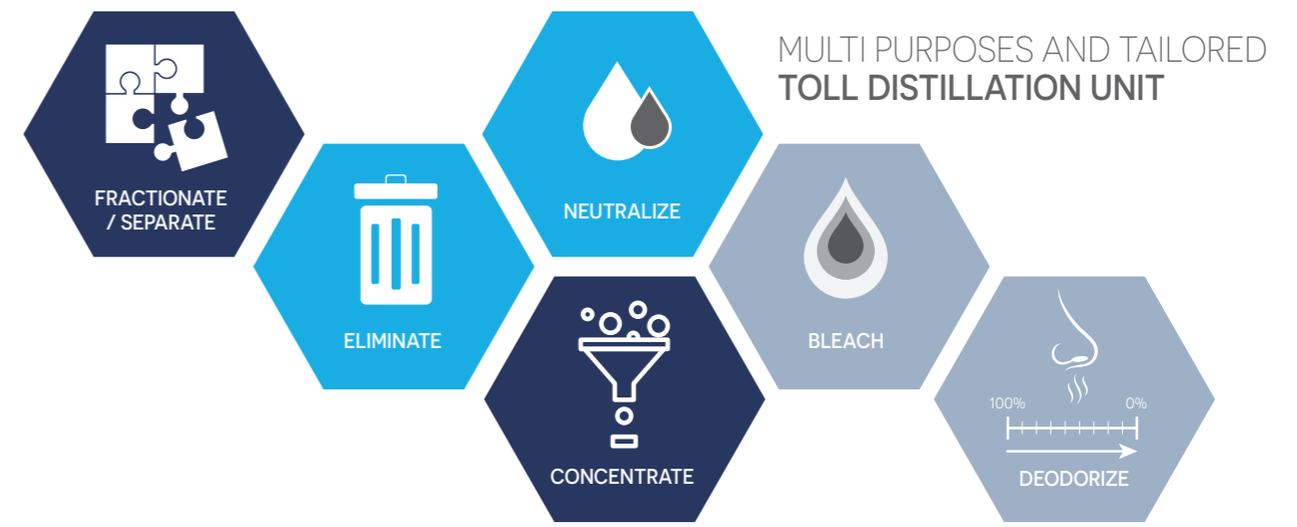
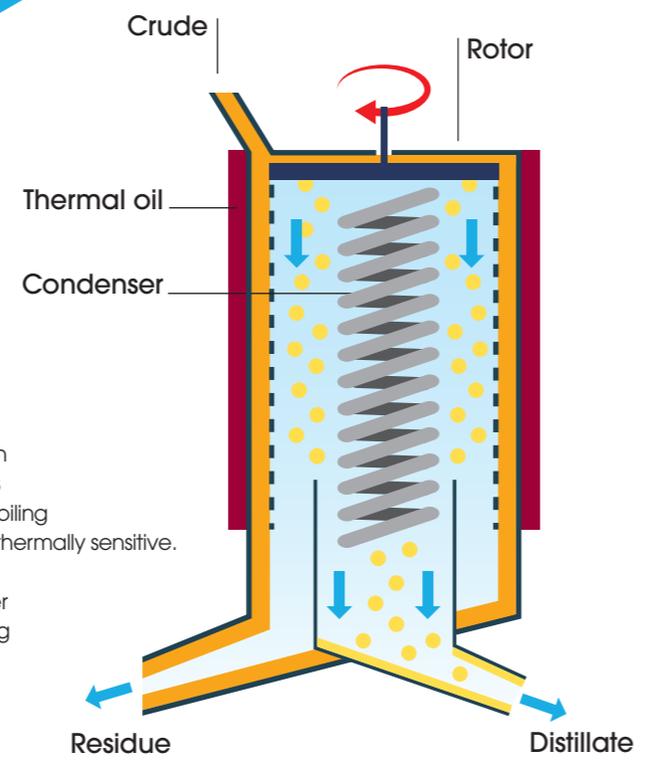
The contact time of the raw product with the heating jacket is very short, which avoids its degradation by heat.

There are several types of evaporators depending on the positioning of the condenser:

- The Wiped Film Evaporator whose condenser is located outside.
- The Short Path Evaporator whose condenser is located inside the rotor (forming the film).

"Short path" since the molecules' mean free path is in the same range as the distance between the film (internal surface of the evaporator) and the internal condenser. The lower the vacuum pressure is, the higher the efficiency is.

Principle of the short path evaporation



SECTORS

<p>COSMETICS Odorless and efficient bleaching.</p>	<p>PHARMACEUTICALS High purification certified technology</p>	<p>TECHNICAL APPLICATIONS High Yield</p>	<p>SPECIALITY CHEMICALS High viscosity</p>
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DEVELOPMENT

<p>LABS & TECHNOLOGY PLATFORMS Innovative and flexible</p>	<p>PROCESS SCALE-UP Bigger capacity</p>
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LABORATORY PLANT

To perfectly comply with quality requirements, we have also invested in a laboratory molecular distillation to identify markets demand and match customers expectations.

EXPERTISE AND ANALYSIS

Our analysis and R&D laboratory versatile and adapted, combined to our skills and our lanolin experience are a definite asset to the success of your projects.





STELLA
9 bis rue des Garennes
B-7700 Mouscron
Tél. +32 56 56 18 42
Fax +32 56 56 18 48
stella@stella.fr
www.stella.fr



STELLA
LANOLINES

Stella is a world key player in refining of lanolin products. ISO 9001/15 and GMP Excipact certified, Lanolines Stella is world wide famous for High Quality products and tailor made customer service. Its clients are among the most prestigious actors in the cosmetics and pharmaceutical sectors.



MOLECULAR DISTILLATION

[REFINING EXPERT]

[TOLL MOLECULAR DISTILLATION OF
VEGETABLE AND ANIMAL OILS, FATS AND WAXES]