

PERFUME INDUSTRY



PIGGING SYSTEM : Maximizing Profitability & Improving Environmental Performance ?

In the perfume industry, every drop counts. The essences and concentrates used are among the most valuable raw materials in cosmetics.

During the transfer of liquids between storage tanks and the production and packaging points, a significant amount of product remains trapped in the piping.

OUR CUSTOMER

Our client, a **recognized player in the perfume industry**, designs and produces high-end essences for international markets. Their strict quality standards and the high value of the raw materials used make production process optimization a strategic priority.

CONTEXT

Equipped with a **DN 25 SMS** transfer line of **40 m** between the storage tanks and the packaging line, our client was experiencing **losses of over 10 liters of perfume per batch**.

With two production changes per day, this represented an annual loss of more than 5,000 liters, resulting in a significant **financial impact**.

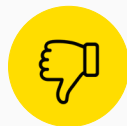
As part of its sustainable development strategy, our client had also set goals to **reduce energy consumption by 20 %** and **recycle 80 %** of production waste.



CHALLENGES



Reduce major losses of marketable product :
Losses of 20 L/day → 5 000 l/year



Replacing an ineffective nitrogen purge system :
→ Low product **recovery**
→ Expensive and energy-intensive resource



Drastically reduce solvent consumption
→ Minimize **environmental** impact



Optimize **cleaning cycles**
→ Increase line availability.

PERFUME INDUSTRY



PIGGING has become the key solution to maximize profitability & improving environmental performance.

AB6 SOLUTION



A **single-pig system**, composed of a **T launching station** and an **In-line receiving station** ensures product recovery from the tank to the packaging line.

Designed in **ATEX II 2 GD** configuration, it integrates seamlessly with production and automated supervision, guaranteeing reliability, safety, and compliance with the requirements of the **perfume industry**.

ADVANTAGES



Up to **99%** of production line residues recovered



Optimized production lines with maximum **flexibility**



Improved **traceability** & **minimized** cross-contamination risk



Environmental **benefits** & lower effluent generation.



KEY RESULTS



Quick return on investment

- Nearly 5,000 L reinjected each year
- ROI in just a few weeks



Optimized cleaning cycles

- Reduced solvent usage
- Reduced effluent generation



Enhanced quality and safety

- Zero cross-contamination
- Hygiene & safety ensured



Durable and cost-effective maintenance

- One lip set lasts for over 10 km of pigging
- Limited interventions, reduced costs

SUCCESS STORY

«Thanks to pigging system, we can now recover all the perfume, where nitrogen purging had failed. Cleaning cycles are much shorter, and we consume significantly fewer solvents, thereby reducing our environmental impact.»