

# OLEOCHEMICALS

Making the world safer, healthier  
and more productive®





# ADVANCED FILTRATION SOLUTIONS FOR OLEOCHEMICALS

## **Delivering cleaner products, safer operations, and lower costs.**

At Amafilter® and PCI Membranes®, we help oleochemical producers achieve high-purity products, maximize uptime, and reduce operating costs through proven, automated filtration and membrane systems.

Our technologies efficiently remove solids, soaps, and trace metals from feedstocks and process fluids - protecting equipment, preventing corrosion, and ensuring consistent product clarity and quality.

## **The Cricketfilter® Automated System - Advanced Filtration for Oleochemicals**

At Amafilter®, our Cricketfilter® system sets the benchmark for automated solids removal in oleochemical production.

Designed for efficiency and safety, its fully enclosed, automated design minimizes operator involvement, reduces maintenance, and maximizes throughput - ensuring consistent product quality and reduced downtime.

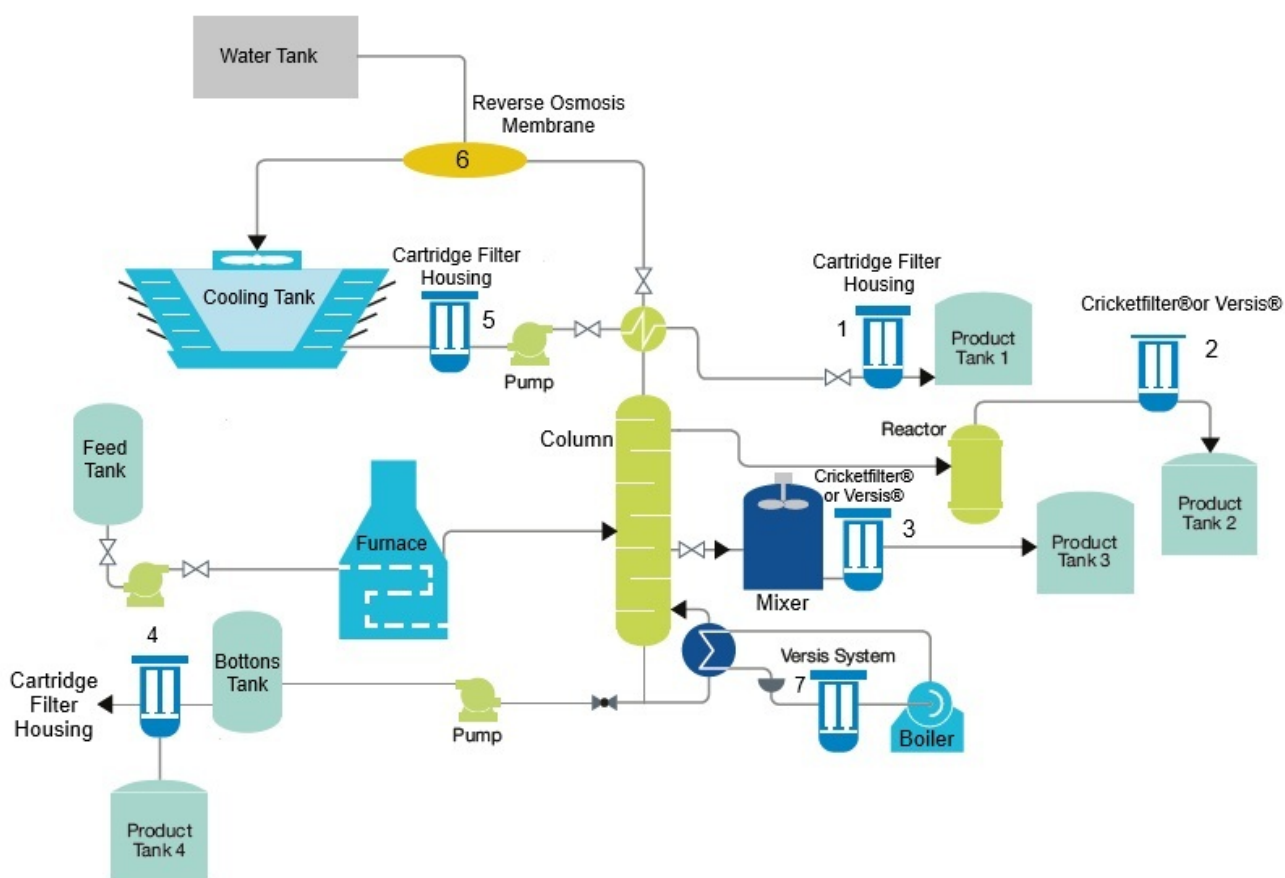
## **Key Advantages**

- 40% more filtration area
- Holds up to 40% more cake than traditional round elements
- Up to 30% faster batch times vs. filter presses.
- >90% fewer maintenance interventions - typically once per year.
- Closed, automated operation for safer, cleaner processes.
- Superior particle removal for premium product clarity.

**Reduce labour. Improve safety. Maximise uptime.**

## Basic Layout of an Oleochemical Plant

While the Cricketfilter® handles solids removal in reactors and mixers, our Versis®, Cartridge Filter Housings, and PCI Membranes® solutions ensure continuous purity and reliability throughout your production line.



SOLUTION	APPLICATION	CUSTOMER VALUE
Cartridge Filter Housings	Prevention of fouling building up.	Prevents scale build-up resulting in less flow restrictions and cutting maintenance by up to 30%.
Cricketfilter®	Removal of solids added or formed in reactors and mixers.	Automated solids removal with up to 40% more capacity → reduced downtime and labour.
Versis® Pressure Leaf Filter System	Removal of bleaching earth after the reactor or mixer.	Proven, robust design ensures consistent quality and optimized process performance.
Cartridge Filter Housing	Utility and polishing filtration - protects pumps, heat exchangers, and cooling systems.	Prevents fouling and scale build-up, cutting maintenance by up to 30%.
Reverse Osmosis Membranes	Purifies condensate from evaporation/distillation for reuse	≥90% recovery rate → reduced freshwater consumption and waste disposal costs.

# Spare Parts

COMPONENT	FEATURE	CUSTOMER BENEFIT
<b>Cricketfilter® cloths</b>	Chemical-resistant or food-grade materials.	Replace only once a year → reduced cost and downtime.
<b>Drain &amp; Top Cloths</b>	Handle a wide range of liquids and temperatures.	Maximized flux capacity and extended service life.
<b>Pressure filter leaves Versis® filter system</b>	Replaceable or re-screened.	Immediate efficiency improvement and sustainable reuse of softened water.
<b>Reverse Osmosis Membranes</b>	Replaceable membrane elements	Continuous filtration process with minimal downtime.

The Cricketfilter®  
Automated System



Cartridge Filter  
Housings



The Versis® Pressure  
Filter Leaf System



Reverse Osmosis  
Membranes



## Complete Filtration Expertise

With Amafilter® and PCI Membranes®, you gain access to:

- **Laboratory testing** and **pilot systems** for process validation.
- **Dedicated service and support** for system optimization.

→ **From solids removal to water recovery - one integrated solution for cleaner, safer, and more sustainable oleochemical production.**



**PCI Membranes®**  
Filtration Group®



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Scan QR Code to find our locations



+31 573 297 777

[info.fgnl@filtrationgroup.com](mailto:info.fgnl@filtrationgroup.com)

[www.amafiltration.com](http://www.amafiltration.com)