



Cosmetic Industry: A Growing Industry

The cosmetics and personal care industry is one of the largest and fastest growing markets in the world. With a current value of over **\$500 billion dollars** and a growth curve steeper than most at around **12% annually**, it is not slowing down any time soon.

Filtration in the Cosmetic Industry

The industry's broad portfolio of products is part of the reason it continues to do so well. From hair and skin care to makeup, perfumes, soaps and oral hygiene products, most of us use these products more frequently than we even realize.

This breadth of product also contributes to the market's appeal from a filtration standpoint. From flavorings and fragrances to moisturizers, pigments, alcohols and various other chemicals, the number of cosmetics and personal care production processes which require filtration is endless.

Conveniently, Global Filter has a product line to match! We offer a diverse line of high-purity liquid filtration products capable of handling bulk solids removal, clarification, fine particulate removal and even sterilization. Our range of

filters can handle flow rates up to 1200gpm in a single unit, and offer high-purity filtration down to 0.2 micron absolute.

No matter the process, Global Filter has the product to help you effectively and efficiently exceed your quality requirements. From basic bag filters to our versatile, high-purity PP Series pleated cartridges and beyond, Global Filter focuses on process optimization and positively impacting to your bottom line.



GLOBAL FILTER

Filtration Group®

ООО «ТИ-СИСТЕМС» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ

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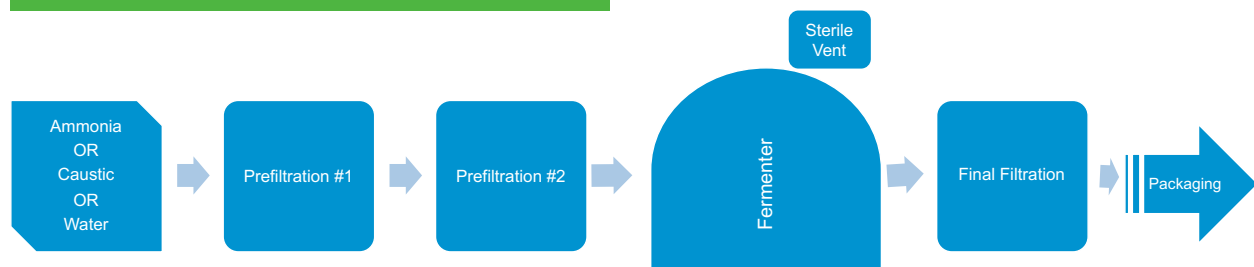
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Cosmetic Industry: Assessing Production Processes

In recent months, many cosmetics companies have pivoted from producing face creams and perfumes to disinfectants and hand sanitizers. The switch has required manufacturers to make some drastic changes to existing production lines, but the role that filtration plays has remained constant – to maximize product cleanliness, clarity and consistency.

Examples of Filtration Applications in the Cosmetics Industry

FLAVOR & FRAGRANCE MANUFACTURING PROCESS



Prefiltration #1:

Pleated depth @ 5.0 micron (PP5.0A)

Prefiltration #2:

Pleated depth @ 0.2 micron (PP0.2A)

Sterile Vent:

Validated hydrophobic membrane @ 0.2 micron (PPTFE0.2)

Final Filtration:

Validated pleated membrane @ 0.2 micron (BRPES0.2)

FRAGRANCE BLENDING PROCESS



Prefiltration:

Pleated depth @ 5.0 micron (FG5.0A)

Pleated depth @ 1.0 micron (FG1.0A)

Final Filtration:

Pleated depth @ 0.2 micron (FG0.2A)



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Industry Best Net Value

Global Filter designs innovative and efficient filtration solutions. Our high-quality filters combined with our technical expertise allow us to offer you solutions that **take the guess work out of your process**. Our solutions **optimize the service life of filters**, reducing waste to positively impact the environment, while increasing your productivity. Consistent, cost-effective and high-quality filters allow you to achieve a consistent, high-quality product while adding to your bottom line.

Our Filtration Solutions Are:



Safer

Our products meet US and EU standards for purity and safe use with food and beverages



Healthier

We develop products that improve the quality of life for humans and animals



More Productive

Our solutions allow you to produce more product at a lower cost, improving your bottom line

Advantages To Working With Us:

- Access to an extensive network of filtration professionals from all over the world who have experience with thousands of unique processes and applications
- Manufacturing facilities in North America and Europe
- Products designed to maximize your productivity, product quality and bottom line
- Ability to quickly adjust to your changing needs
- Technical support from initial conversations to implementation and beyond



Filter Cartridges

Targeted medias for the removal of particulate and microbial contamination often for final filtration in demanding applications.

Filter Vessels

Offered in both code and non-code designs, Global Filter's vessels meet the process requirements for numerous applications and industries. Robust construction, available in carbon, 304, & 316 stainless steel for a wide range of flow capacities.



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