

FILTRATION TECHNOLOGIES **BIOFUELS**



Production in NL & just-in-time delivery



Complete package of filter elements & systems



Sustainability of filtration process



Reduction of purchase, waste, & maintenance costs

GET TO KNOW INTERFILTER GROUP

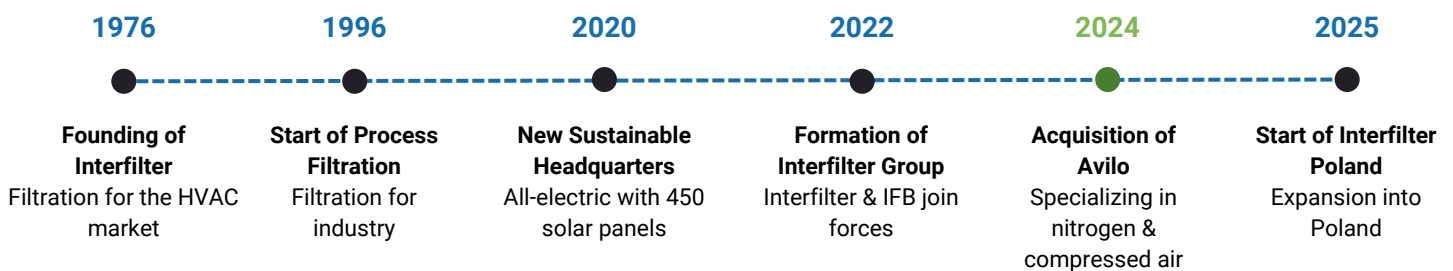
Interfilter was founded in 1976 and has since developed into a complete supplier in the field of air, liquid, dust, and gas filtration. With over 45 years of experience in filtration, Interfilter Group provides more than just filters and accessories.

MISSION & VISION

The mission of Interfilter Group is to create a clean environment, for now and for the future. For every situation where filtration is required, Interfilter Group offers the solution.

Interfilter strives for the ultimate customer experience and sustainability in the products and services it delivers. That's why we stand for "Filtration for our Future." With this vision, we have grown into a leading supplier in the market.

ABOUT US



Partnership with Interfilter Group



Intensive partnership
A dedicated and trusted team is always ready to focus on your needs.



Optimization, Cost Reduction & Engineering
Together, we strive for optimization and the most sustainable solution for your specific situation.



Superior Logistics
You will receive your order packed per destination and delivered just-in-time thanks to our own production and large stock in the Netherlands.



Sustainable Products, Services & Innovations
Thanks to our innovative character, we deliver the most sustainable products and services.



FILTRATION IN **BIOFUEL** PRODUCTION

Biofuels are energy sources that have received significant attention due to their potential to reduce greenhouse gas emissions and dependence on fossil fuels. These fuels are made from biological materials and provide a more sustainable alternative for transportation and energy production. However, the raw materials used in biofuel production may contain impurities and contaminants that must be removed to ensure fuel quality and prevent engine damage. Filtration plays a crucial role in achieving these goals.

Importance of Filtration in Biofuel Production

Fuel Quality & Performance

Biofuels must meet strict quality standards to ensure optimal engine performance. For example, the ASTM D6751 standard for biodiesel (B100) or ASTM D4806 for ethanol. Contaminants such as solid particles, water, and microbial growth can lead to inefficient combustion, reduced engine lifespan, and increased emissions. Effective filtration processes are essential for removing these impurities and maintaining consistent fuel quality.

Engine Protection

Engines and fuel systems are designed to operate with clean fuels. Contaminants in biofuels can damage fuel lines, filters, and injectors, leading to reduced engine efficiency and costly maintenance. Good filtration helps prevent these issues by removing harmful particles and ensuring that the fuel supplied to the engine is free of contaminants.

COMMON TYPES OF FILTRATION

Centrifugal Filtration

In centrifugal filtration, the force of centrifugal motion is used to separate particles from the liquid. During biofuel production, centrifugal separators are effective at removing larger particles and water droplets. This method is especially useful for raw materials with a higher impurity content.

Depth Filtration

Depth filtration involves passing biofuel through a porous medium that captures contaminants. It is effective at removing a wide range of particle sizes. Depth filters can be made from materials such as cotton, polypropylene, cellulose, diatomaceous earth, or activated carbon.

Membrane Filtration

In membrane filtration, porous membranes with specific pore sizes are used to selectively separate particles based on size. Ultrafiltration and microfiltration membranes are commonly used in biofuel applications to remove fine particles, bacteria, and other microorganisms.



CANDLE FILTERS

Description: Wound, meltblown, and specialized filter elements



STAINLESS STEEL CANDLE FILTERS

Description: Cleanable stainless steel filter elements



BAG FILTERS

Description: Felt media, monofilament mesh, and high-flow bags



PLEATED BAG FILTERS

Description: Alternative to mesh and vint bags due to longer lifespan



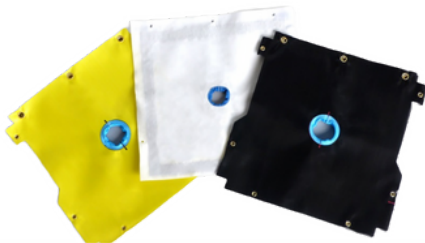
MEMBRANE FILTERS

Description: Membrane filters with unique anti-fouling media



HYDRAULIC FILTERS

Description: Clean hydraulic oils and longer service life



FILTER PRESS CLOTH

Description: Cloths and bags for filter press plates



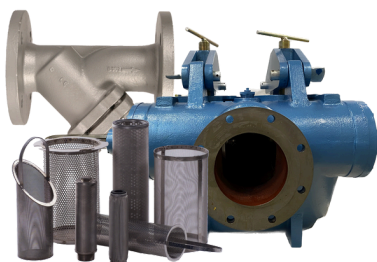
ADSORBENTS

Description: Air is dried before entering your system.



ACTIVATED CARBON

Description: Removal of odors, gases, or contamination in liquids



STRAINERS & BASKETS

Description: Custom-made with desired dimensions and micron ratings



LIQUID FILTER HOUSINGS

Description: Filter housings for candle and bag filters



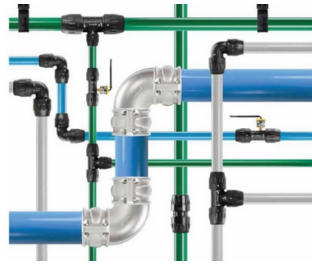
SELF-CLEANING SCREEN FILTERS

Description: Continuous filtration process with automatic cleaning



COMPRESSED AIR & GAS TREATMENT

Description: Complete compressed air conditioning systems, gas generators



PIPING

Description: Piping for compressed air and gas installations



PRESSURE LEAF FILTERS

Description: Filter leaves for pressure leaf filter systems



FILTER CARTRIDGES

Description: Large filter surface area, easy to replace, long service life



FILTER MANIFOLDS

Description: Flat dust collection bags in various media and coatings



FILTER HOSES

Description: Round dust collection bags in various media and coatings



FILTER PLATES

Description: Depth filters, suitable for virtually all dust collectors



DUST EXTRACTION SYSTEMS

Description: Tailored solutions for every application



CUFFS

Description: Hygienic and safe handling of materials



From Grove pre-filters to absolute filters



Complete package of filter elements & systems



Sustainability of the filtration process



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Stay up to date with developments in filtration. Scan the QR code and follow us on LinkedIn. 