

Biofuel Filtration Solutions



amafiltergroup

amafiltergroup
total filtration



- Experience •
- Quality •
- Design & Manufacture •
- Installation & Commissioning •
- Service •

Total Filtration Approach

amafiltergroup is serving the industry on a worldwide basis with Consumables, Services and Systems.

amafiltergroup offers a broad range of filtration solutions, allowing a very flexible approach to its customers.

We are continually updating and improving our technologies to be able to meet our customers' current and future needs.



Biofuel Filtration Solutions



amafiltergroup has been providing integrated solutions to biofuel producers around the globe for over a decade. **amafiltergroup** is one of only a few filtration companies that can provide total filtration solutions required to address the unique challenges associated with biofuel production.

Biofuel production presents unique filtration challenges. The quality of incoming feedstock used in biofuel production can vary widely.

Converting inconsistent feedstock to high quality, pure, renewable fuels that meet ASTM standards requires extensive filtration expertise to apply the appropriate technologies in a process.

amafiltergroup can provide a complete analysis of the processes in your plant and recommend the correct filtration and separations technologies and products to deliver the required product quality at an economical cost.

Typical filtration processes in biofuel production include:

- Filtration of incoming feedstock such as cold pressed seed oils for pure vegetable oil fuel, crude rendered fat for fuel applications and pre-treatment of refined oil.
- Filtration of clay, carbon and silica absorbents from refined oil.
- Removal of haze and sterols from methyl ester(biodiesel).
- Filtration of glycerin to remove solids or activated carbon.
- Final product filtration.

Contact an **amafiltergroup** filtration specialist today and let us assist you in determining which solution is best for your filtration process.



Key Facts and Figures

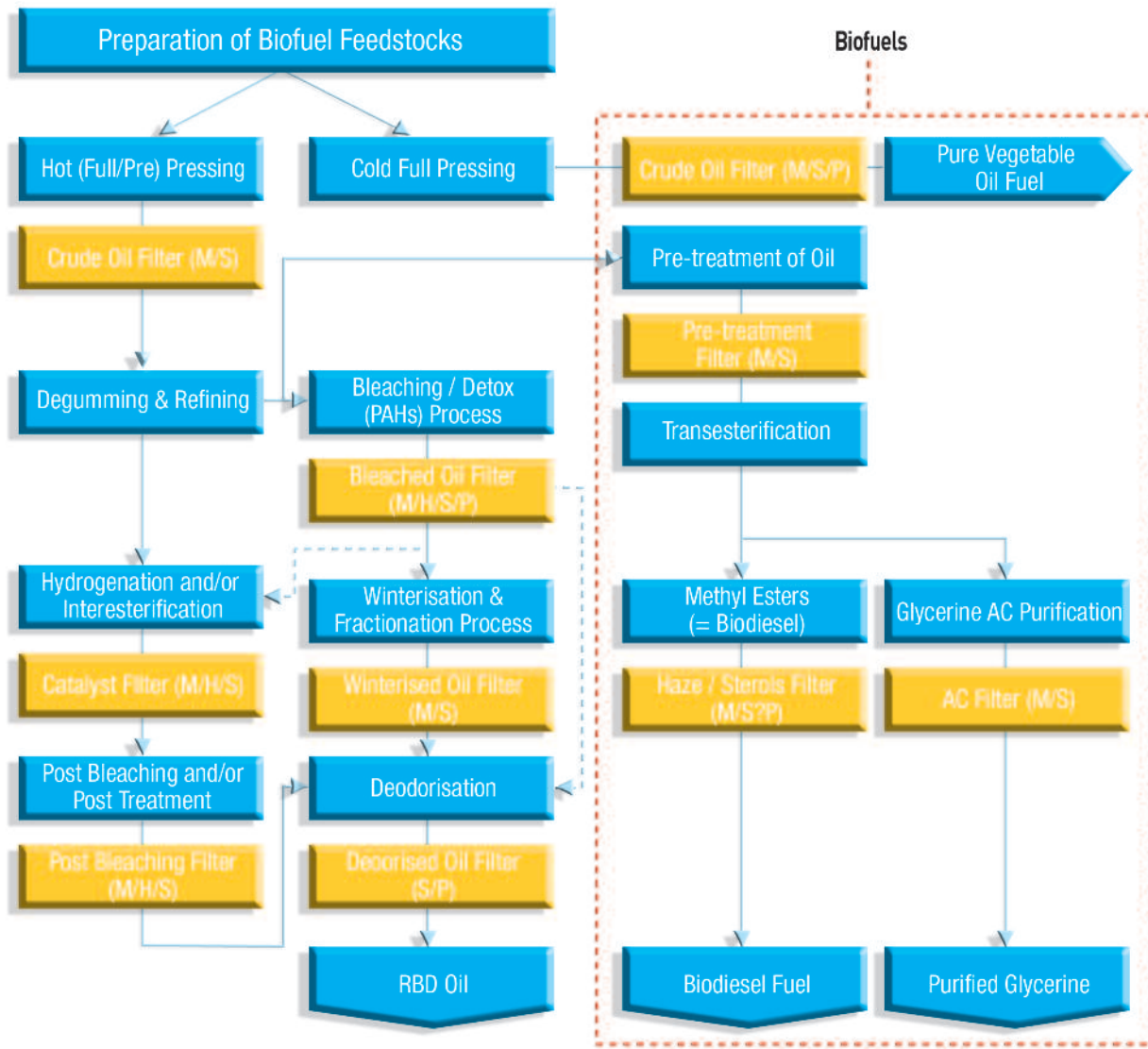
- Over 400 experienced filtration professionals
- 8 international specialized manufacturing sites
- 150+ sales and technical support team
- Present in over 50 countries
- A successful track record of many decades
- Industry leading technology base
- ISO 9001

At **amafiltergroup**, we believe in partnering with our customers to provide total filtration solutions throughout the life of your filters. Our laboratory can help to optimize your filtration process and streamline your efficiency.

Total Solutions



Typical Process Schematic – Filtration of Biofuel Feedstock



(M) = Main Filtration (H)= Heel Filtration (S) = Safety Filtration (P) = Polishing Filtration

Biofuel Filtration Products

Filters for Biofuel Filtration

amfiltergroup can offer a wide variety of disposable and permanent filter products to meet all of your filtration needs.

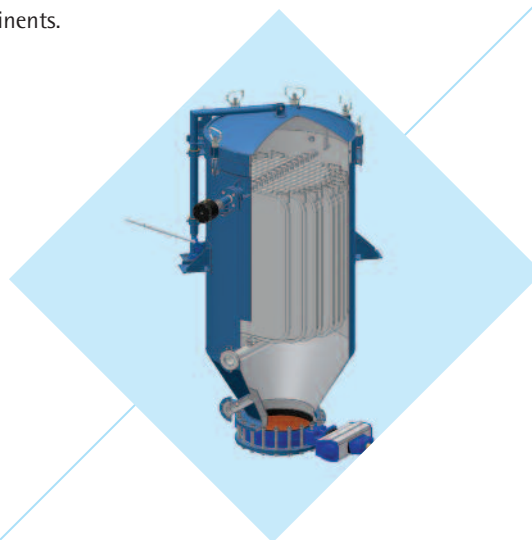
amfiltergroup products are engineered and manufactured to meet stringent quality requirements and are rigorously tested before leaving our manufacturing plants. When you choose **amfiltergroup**, you can be assured that you are buying leading edge, high quality and cost effective products from a leading company that has set the standards for biofuel filtration for over 30 years.

Our products for biofuel filtration applications include:

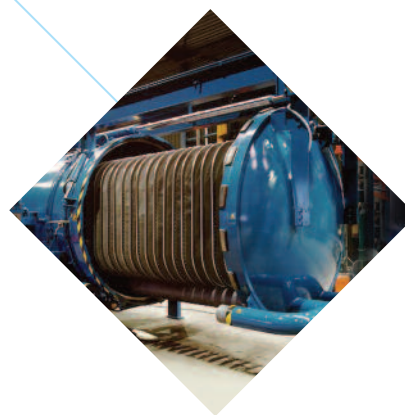
- **amfiltergroup's** range of vertical and horizontal pressure leaf filters for crude oil filtration.
- **amfiltergroup's** range of backwashable filters for polishing filtration applications.
- **amfiltergroup's** range of bag and cartridge filters for polishing / safety and final filtration.
- **amfiltergroup's** range of filter housings for all of the filtration steps.

Pressure Leaf Filters

amfiltergroup offers the broadest range of horizontal and vertical pressure leaf filter systems for the filtration of crude oil in biofuel applications. In addition to our standard range of products, we have the ability to customize these designs to your specific requirement at one of our five manufacturing facilities spanning two continents.



Vertical Pressure Leaf Filter



Horizontal Pressure Leaf Filter

Biofuel Filtration Products

Polishing Filters

amafiltergroup's range of backwashable filter systems includes the innovative Cricketfilter Series system and the PTS Series Candle filters.

Polishing/Safety and Final Filtration

amafiltergroup's range of bag and cartridge filters are used to remove traces of remaining solids from the process and improve final product quality. amafiltergroup has a broad range of products that can be applied to optimise any process.



amafiltergroup
PTS Series Candle Filter



amafiltergroup
Bag and Cartridge Filters



amafiltergroup
Cricketfilter Series



amafiltergroup
Cartridge Filter Housings



amafiltergroup Filtercare Services – tailored to meet your individual needs:

amafiltergroup has a wide range of services available that can help you minimise your on-going operating costs, extend the life of your equipment and optimise your process. Our value added services include:

Technical consultation

- Immediate access to a team of professional filtration experts.
- Industry specialist with specific experience in your industry and applications.

Plant installation and commissioning services

- On-time delivery and start up.
- Turnkey installation management and start up commissioning.
- On site operator training.

Plant optimisation

- We can work with you on site to optimise your systems performance in the following areas:
 - Improving filtration performance.
 - Minimising downtime.
 - Minimising production disruption.

Evaluate upgrades and refurbishments

- It may not always be necessary to invest in new equipment to increase capacity or improve filtration. We can work with you to upgrade your existing filtration equipment as your process requirements grow.

Spare parts – inventory

- We can work with you to have spare parts for your system in our inventory. This reduces your inventory costs while reducing the chance of a costly disruption to production.

Proactive maintenance programs

- We can work with you to provide scheduled proactive maintenance of your system.

Customised training programs

- We can provide on site training on our equipment. This can result in lower operating costs while extending the life of your new equipment.
- We can also provide customised filtration training programs unique to your application.

Laboratory services

- amafiltergroup's state of the art laboratory facilities can provide a wide range of services that can help you to analyse your process and optimise your filtration requirements.
- We can also provide on site equipment to conduct filterability tests.

Your local amafiltergroup office can help tailor your service program to meet your individual needs.



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Quality Statement

amafiltergroup is a manufacturer and supplier of Consumables, Services and Systems for the global filtration market.

amafiltergroup has implemented a strict quality policy across all our global operations which complies with all the statutory regulatory requirements.



Global Headquarters

Robijnstraat 46
1812 RB Alkmaar
The Netherlands
t: +31 (0)72 527 34 00
f: +31 (0)72 512 52 07

For Information

Europe: europa.info@amafiltergroup.com
Americas: americas.info@amafiltergroup.com
Asia: asia.info@amafiltergroup.com

Web: www.amafiltergroup.com



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