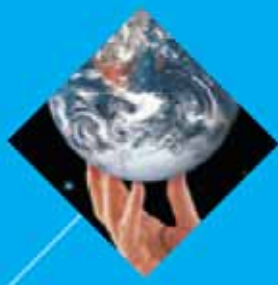


Filter Leaves & Elements

Serving Critical Processes



amafiltergroup
total filtration



- Experience •
- Quality •
- Design & Manufacturing •
- 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.



Serving Industries Worldwide



For more than 100 years, **amafiltergroup** companies have been at the forefront of solving critical contamination and separations problems for customers around the globe.

amafiltergroup offers a full range of products and services throughout the world with production facilities and regional sales offices in Europe, Asia and North America.

amafiltergroup offers complete design, testing, commissioning and service, together with full customer support.

Key Facts and Figures

- 40,000+ Installed Systems
- Over 400 experienced filtration professionals
- 8 international manufacturing sites globally
- 150+ sales and technical support teams
- A successful track record of many decades
- Industry leading technology base
- Present in over 50 countries
- ISO 9001

Entrust a Critical Component in Your Process to a Global Leader

A key technology platform within the **amafiltergroup** portfolio is pressure leaf technology. **amafiltergroup** is the global leader in pressure leaf technology with over 40,000 installed systems. By serving a broad range of customers in diverse industries with this critical technology for over 60 years, **amafiltergroup** has developed the broadest portfolio of filter leaf element designs in the industry. We can produce a wide variety of filter leaves in different designs and choices of materials to suit almost any application.



amafiltergroup filter leaf elements are used to purify processes and protect critical components in a broad array of industries. **amafiltergroup** pressure leaf elements are used in:

- Food and Beverage
 - Edible Oils (Vegetable & Animal Sources)
 - Sugar Processing
 - Corn Processing
 - Sweeteners
- Pharmaceutical
- Water
- Chemicals
- Oleo - Chemicals
- Oils and Resins
- Amines
- General Industrial
- Mineral Processing

amafiltergroup's global manufacturing platform for filter leaf products enables us to cost effectively build, rescreen or repair your pressure leaf filter elements. Only amafiltergroup can offer global solutions to multinational companies to provide pressure leaf filter elements that meet or exceed your expectations.

Construction Principles Backed by 60 Years of Experience

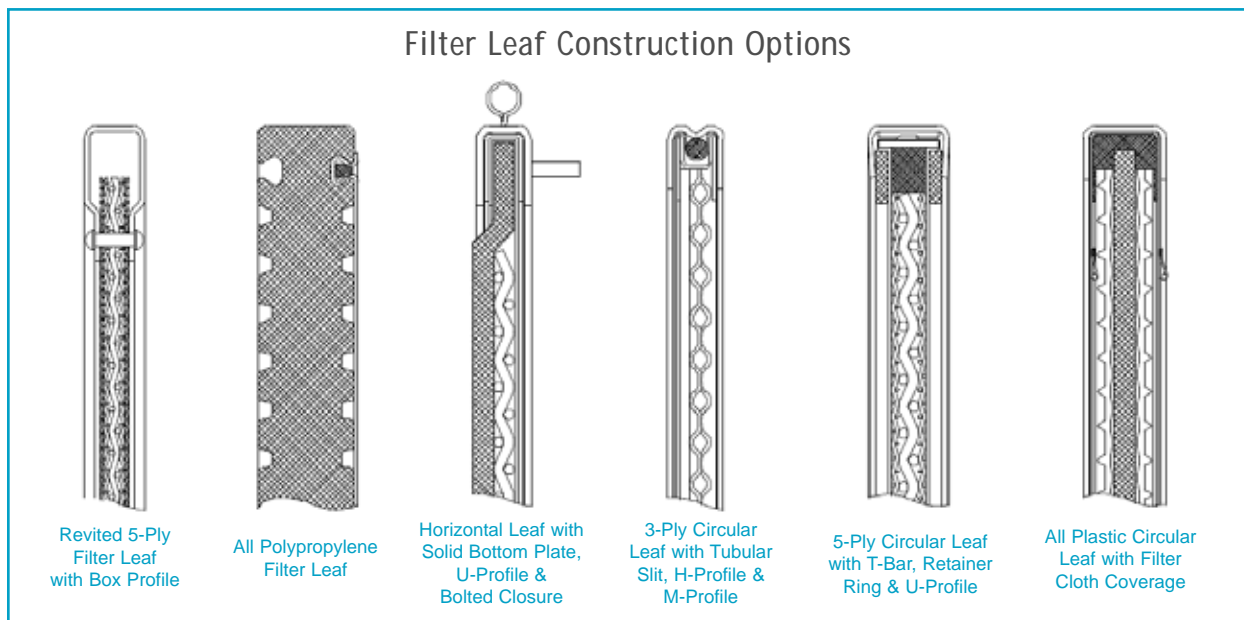
The design and construction of filter leaves is the most critical part of the overall filter system design. Improper filter leaf design or selection can result in poor filtration performance as well as higher operating and maintenance costs. In order to ensure performance and reliability of the filtration system, it is critical that the proper filter leaf be design to meet the specific filtration objectives. Critical parameters of filter leaf design include:

- Selection of the optimal filter media (cloth, screen, mesh, etc.)
- Drainage and support screen design
- Binder and closure design
- Proper outlet fittings
- Quality fabrication principles

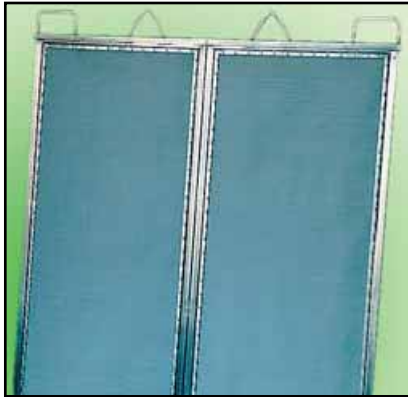


Filter Leaf Design

amafiltergroup offers a wide range of standard filter leaf designs. The standard configurations offer performance, durability and chemical compatibility in a wide range of applications. In addition, we have the ability to customize these standard designs to meet the unique requirements of your application.



Strength, Durability & Performance



Drainage and Support Screen Design

The strength, durability, performance and reliability of a filter leaf is often a function of the number and quality of the materials used to support the filtration media. Quite often, industrial filter leaf elements are designed using a 3-ply construction to reduce the initial element costs. Unfortunately, these designs often result in poor filtration performance as well as higher operating and maintenance costs and shorter filter element life. **amafiltergroup's** standard filter leaf employs a 5-ply construction that ensures optimal filtration performance and durability. Our experience has shown that the 5-ply construction offers you lower ownership costs over time.

amafiltergroup offers the broadest portfolios of filter leaf configurations available in the industry. We have the ability to vary the design, material and construction to meet the filtration and separations objectives.

amafiltergroup's portfolio of filter leaf element design and construction capabilities include:

- Circular, rectangular, conical and tubular shaped filter leaf element designs.
- A wide range of filter media and hardware options including stainless steel, polypropylene, plastic and custom alloys (Hastelloy, Monel, Titanium, Inconel, and other specialty materials.)
- A wide range of filter support screen and filter media configurations. **amafiltergroup** works with media suppliers on a global basis to ensure consistency of its filtration and support materials. Only the highest quality materials are used.

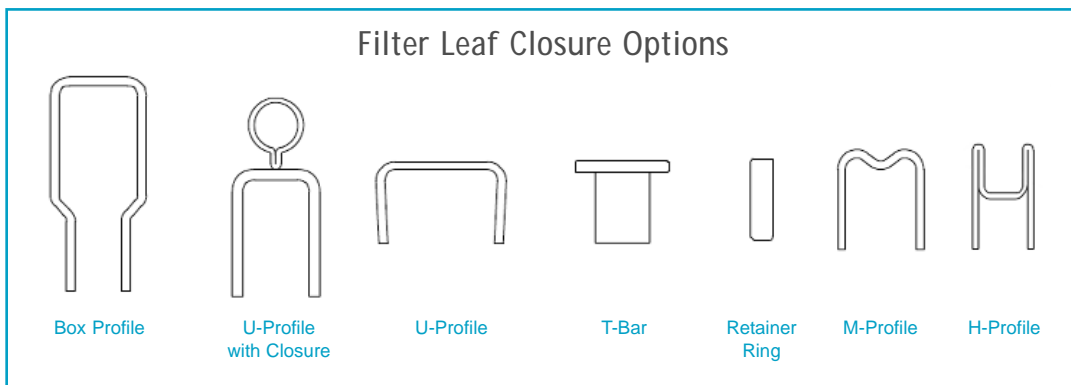


Innovative 5 Layer Filter Leaf Design

Extensive Option Selection

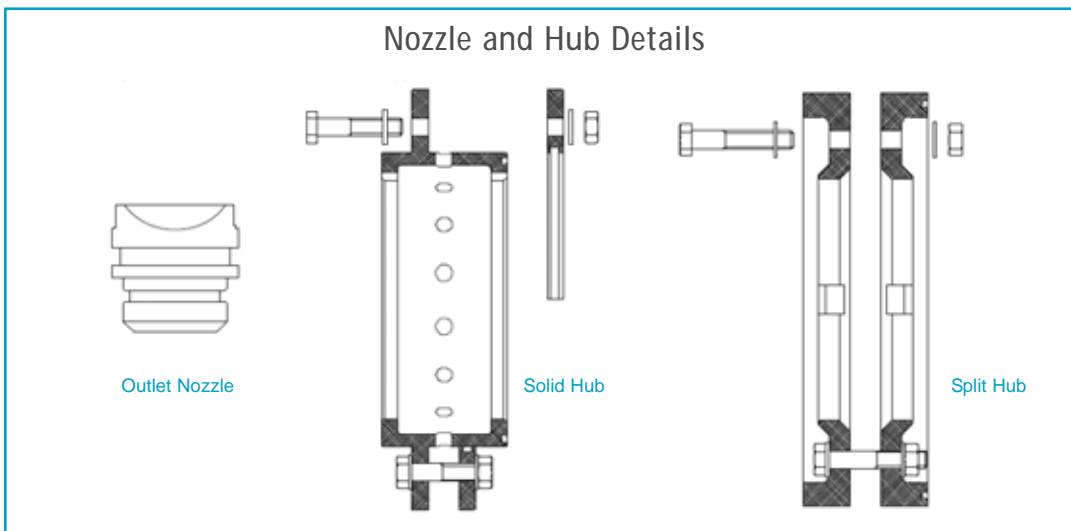
Binders and Closures

The design and selection of filter binders and closure is critical to proper filter element design. Poor binder and closure design can result in shorter filter element life as well as poor performance. **amafiltergroup** has a wide range of filter binders and closures that can be used to retrofit most standard types of rectangular or circular filter leaves quickly and cost effectively.



Outlet Fittings/Nozzles

amafiltergroup offers a wide range of outlet fittings to retrofit competitive filter leaf elements. Our standard cast filtrate nozzle is constructed of cast stainless steel. The rugged design of amafiltergroup's outlet nozzle ensures filter element durability and reliability.





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