



Filtration Group[®]
Filtering The World

CLEAN PROCESSES - CONTINUOUSLY

Filtration Group BV - Filter Cartridges

PROCESS FILTRATION

PROCESS ENGINEERING



CHEMICAL INDUSTRIES



OIL & GAS



FOOD & BEVERAGES



HISTORY

THE TOTAL FILTRATION APPROACH

Filtration Group has an extensive product range. Filter components like, filter elements, cartridges – bags and sheets, filter housings and modules to large system installations. Tell us your application and we will advise which product would fit best to support your application.

amafilter
LFC Lochem



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AMAFILTER GROUP

With over 70 years of experience in the application of horizontal and vertical Pressure Leaf Filters, Cricketfilters and several other types of filters, Amafiltergroup provided a unique spectrum of filtration and separation solutions, complemented by an extensive range of filter elements, spare parts and services.

MAHLE acquired the Amafiltergroup in 2008, adding the expertise, synergy of technology and filter products of Amafilter, LFC, Nowata, Vanpipe and Eurofiltec to its Industrial Filtration portfolio.

MAHLE INDUSTRIAL FILTRATION

MAHLE Industrial Filtration specialized in the cleaning and processing of industrial oils and lubricants as well as air and water. With its extensive application expertise, in-house research and development, technology center, laboratory, and design department, it offered its customers tailor-made filter components and process engineering solutions.

The original Amafilter and LFC products were sold under the MAHLE brand name.

FILTRATION GROUP

In 2016 Filtration Group Corporation closed the acquisition of the industrial filtration business of MAHLE GmbH. The acquisition adds filtration capabilities in industrial filtration across a variety of applications including industrial air filtration, process filtration, hydraulics, fuel separation and replacement elements.

This acquisition gives customers more choice and flexibility in how they can utilize filtration to make their environments cleaner, safer and more productive.

An organization's ability to learn, and translate that learning into action rapidly, is the ultimate competitive advantage. — Jack Welch



Fluid Filtration



Automatic Filtration



Air Filtration



Process Filtration



Separation

COMPETENCIES

YOUR PARTNER IN FILTRATION

We understand our customer's increasingly demanding and complex process and environmental requirements. Drawing from one of the industry's broadest in-house technology bases, our market specialists and engineering teams are able to design a total filtration solution for our customers.

AVAILABLE WORLDWIDE

Filtration Group offers a complete range of products, services and support for filtration and separation technologies on a global basis. Globally positioned with production facilities and regional sales offices in Europe, USA and Asia.



WELL EXPERIENCED

Filtration Group supports direct sales and a large network of distributors and agents. The group's capabilities are backed by decades of innovative experience in providing filtration solutions to a broad range of industries.



CONTINUOUS IMPROVEMENTS

Filtration Group continues to develop products, enabling its customers to comply with strictest environmental regulations, industry demands and increasing complexity. In short, Filtration Group has a solution for your filtration application.



FINDING SOLUTIONS

We believe in partnering with our customers to provide total filtration solutions throughout the life of your filters. Our team of experts can help to optimize your filtration process and streamline your efficiency. Streamline your efficiency for a better TCO.



GIVING SUPPORT

We offer design, testing, commissioning and service together with customer support. We also offer service for auditing, troubleshooting and preventative maintenance on-site.



ONE STOP SHOP

Our service department has unique experience in filtration processes and equipment. We are able to offer comprehensive maintenance. We also supply filter spares, elements, leaves and equipment upgrades.



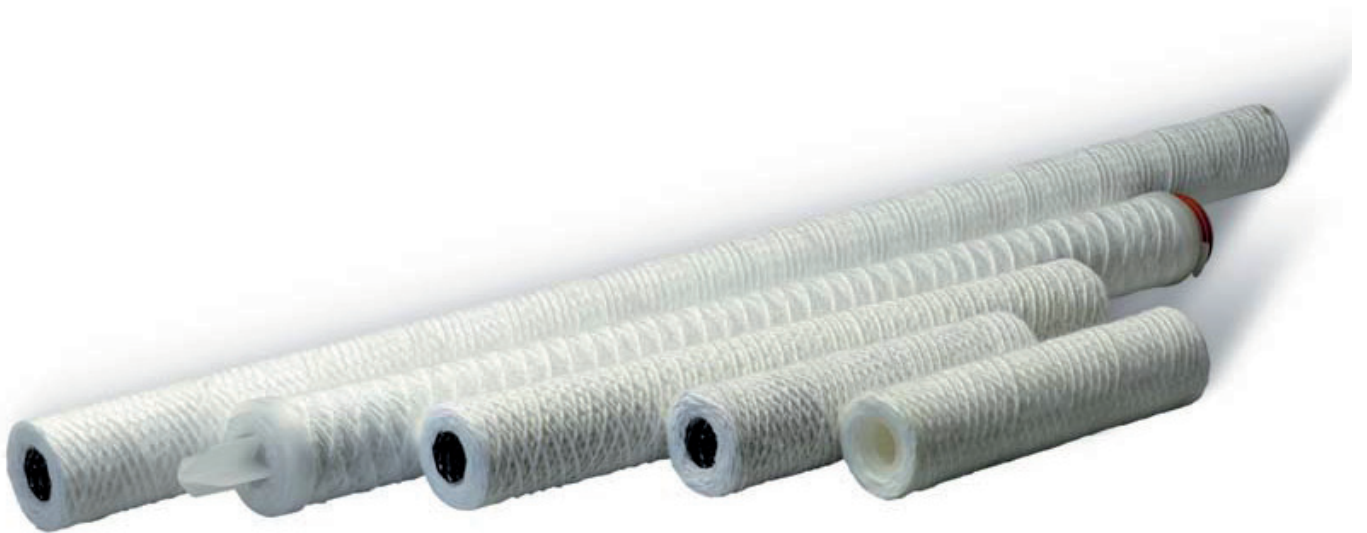
CARTRIDGE FAMILY

amaTech

The amaTech premium wound filter cartridges represent the state of the art in wound depth filtration technology. amaTech premium wound filter cartridges are manufactured under strict quality procedures. Each batch is tested on weight, length and air permeability, ensuring that each cartridge has the same high quality. Because of the state of the art technology used in manufacturing the filter cartridges, the amaTech premium wound filter cartridges offer a highly effective depth filtration.

MAIN FEATURES

- Effective depth filtration at an economically price
- Nominal filtrations
- Different micron ratings and length



Product serie	Micron rating [μm]	Length [inch]	Operating temperature [$^{\circ}\text{C}$]	Materials
amaTech CW	0.5 – 150	5 – 40	145	Bleached cotton
amaTech UW	0.5 – 150	5 – 40	90	Polypropylene
amaTech GW	0.5 – 150	5 – 40	400	Baked Glass fibre
amaTech NW	0.5 – 150	5 – 40	120	Nylon
amaTech EW	0.5 – 150	5 – 40	120	Polyester

More information is available in the product serie datasheet.

CARTRIDGE FAMILY

amaPure

amaPure filtration is a depth filtration. The unique, one-step melt blown process is used to create a graded density which improves flow characteristics and increases dirt holding capacity when compared to other polypropylene cartridges. The process thermally bonds the fibers together virtually eliminating media migration. Thermal bonding also eliminates the need for a separate centre core, providing both high collapse strength and enabling easy disposal through incineration.

The amaPure is manufactured using strict standards creating a high quality melt blown filter cartridge.

MAIN FEATURES

- Wide chemical compatibility
- High dirt holding capacity
- Steamable in-situ
- Sanitisable with hot water
- No media migration

APPLICATIONS

- Food and beverage
- Water processes



Product serie	Micron rating [μm]	Length [inch]	Max. T [°C]	Configuration
amaPure HS	1 – 100	9.75 – 40	80	Polypropylene
amaPure FS	0.5 – 75	4 – 40	80	Polypropylene
amaPure TS	0.3 – 90	10 – 40	80	Polypropylene

More information is available in the product serie datasheet.

CARTRIDGE FAMILY

amaBond

The amaBond cartridge is especially designed for higher viscous fluids like resins, inks and paint. The amaBond can filter liquids with viscosity up to 3,000 centipoise. Depending on the process conditions even higher viscosity fluids can be filtered. The one piece construction eliminates the possibility of breaking or liquid bypass at the joints.

The special design and material used allows for filtration at higher temperatures and high pressure resistance. The amaBond offers the most economical filtration of high viscosity liquids.

MAIN FEATURES

- Viscous fluid filtration
- One piece construction
- No center core
- Economically attractive solution
- No liquid by-pass

APPLICATIONS

- Paints
- Resin
- Inks
- Coatings
- Adhesives



Product serie	Micron rating [μm]	Length [inch]	Max. T [°C]	Configuration	Max. viscosity [centipoise]
amaBond LR	2 – 125	9.75 – 40	120	DOE	3,000
amaBond BR	3 – 200	9.75 – 40	80	DOE	10,000

More information is available in the product serie datasheet.

CARTRIDGE FAMILY

amaCarb

The general use of activated carbon cartridges is to remove taste, odour and colour from water and other liquids, air and gases. The amaCarb filter cartridge can be granular activated carbon, porous block activated carbon or impregnated cellulose with carbon. The amaCarb is an excellent cartridge to reduce chlorine, taste, odour, colour and organics in water. One can also use these cartridges to reduce organics, taste, odour, colour and oil vapour in air and other gas applications.

MAIN FEATURES

- Reduces chlorine, taste, odour, colour, organics and oil vapour
- Economical solution
- Nominal filtration

APPLICATIONS

- Soft drinks
- Potable water
- Organic removal



Product serie	Length [inch]	Max. T [°C]	Materials	Note
amaCarb AN-G	9.75 – 20	80	Polypropylene HDPE	The end-cap is X4 with Buna-N gasket
amaCarb AN-P	9.75 – 20	80	Polypropylene Polyethylene	The end-cap is X4 with Buna-N gasket
amaCarb AN-B	9.75 – 20	50	Polyester Vinyl plasticol	The end-cap is X4 with Buna-N gasket
amaCarb AS-B	9.75 – 10	60	Polyester Polypropylene	The end-cap is X4 with Buna-N gasket

More information is available in the product serie datasheet.

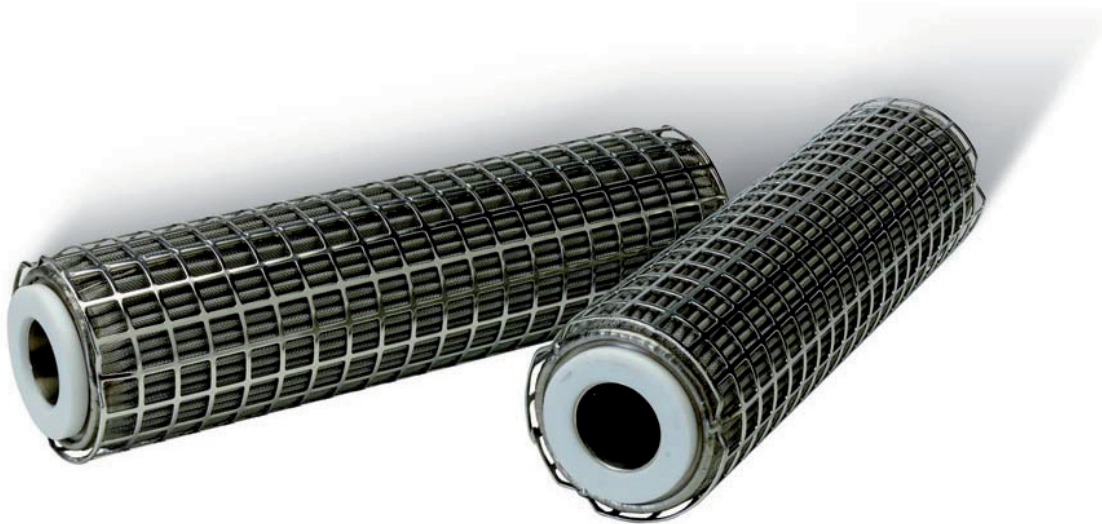
CARTRIDGE FAMILY

amaLloy

amaLloy metal filter cartridges are designed for the most extreme operating conditions like high temperatures or chemicals. The completely welded 316L stainless steel amaLloy is available in a pleated or cylindrical construction. Together with the different media types, the amaLloy offers you excellent performance in most extreme applications. The amaLloy is not only suitable for liquids but can also be used for many gas applications.

MAIN FEATURES

- High pressure differential
- Highly chemical compatibility
- Resistance to high temperatures
- Completely welded
- Variety of end caps
- No extractables



Product serie	Micron rating [µm]	Length [inch]	Configuration
amaLloy CA	3 – 60	10 – 40	Cylindrical fibre
amaLloy FA	3 – 60	10 – 40	Pleated fibre
amaLloy LA	10 – 840	10 – 40	Cylindrical mesh
amaLloy MA	10 – 840	10 – 40	Pleated mesh
amaLloy PA	6 – 60	10 – 40	Cylindrical powder

More information is available in the product serie datasheet.

CARTRIDGE FAMILY

amaGuard

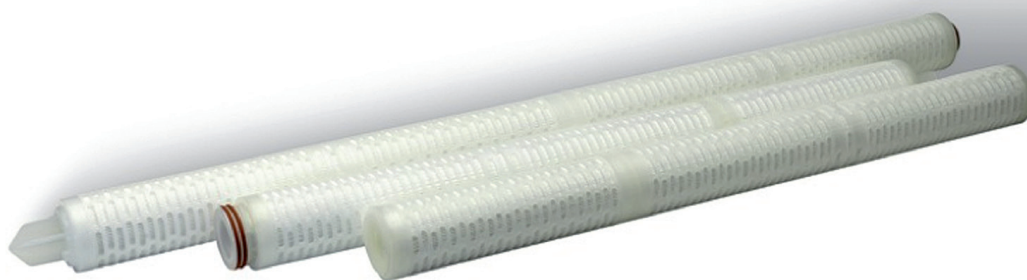
The amaGuard are pleated filter cartridges manufactured from polypropylene or micro glass fiber and are the result of years of experience in manufacturing filter cartridges. State of the art technology is used in manufacturing the filter cartridges. The amaGuard offers highly effective surface filtration at a competitive price.

MAIN FEATURES

- Surface filtration
- Wide chemical compatibility
- > 99,9% efficiency from 1 to 80 micron

APPLICATIONS

- R.O. pre-filtration
- Food and Beverage
- Offshore
- General chemicals



Product serie	Micron rating [µm]	Length [inch]	Max. T [°C]	Core material
amaGuard EP	1 – 80	10 – 40	65 - 80	Polypropylene/ stainless steel
amaGuard TP	0.2 – 30	4 – 40	80	Polypropylene
amaGuard DP	1 – 40	4 – 40	80	Polypropylene
amaGuard PP-PLUS	0.6 - 120	10 – 40	65	Polypropylene
amaGuard HF-PP	1 - 40	20 – 60	65	Polypropylene
amaGuard FP	0.2 – 10	40	65	Polypropylene
amaGuard GP	0.45 – 50	10 – 40	65 - 120	Polypropylene/ stainless steel

More information is available in the product serie datasheet.

CARTRIDGE FAMILY

amaFine

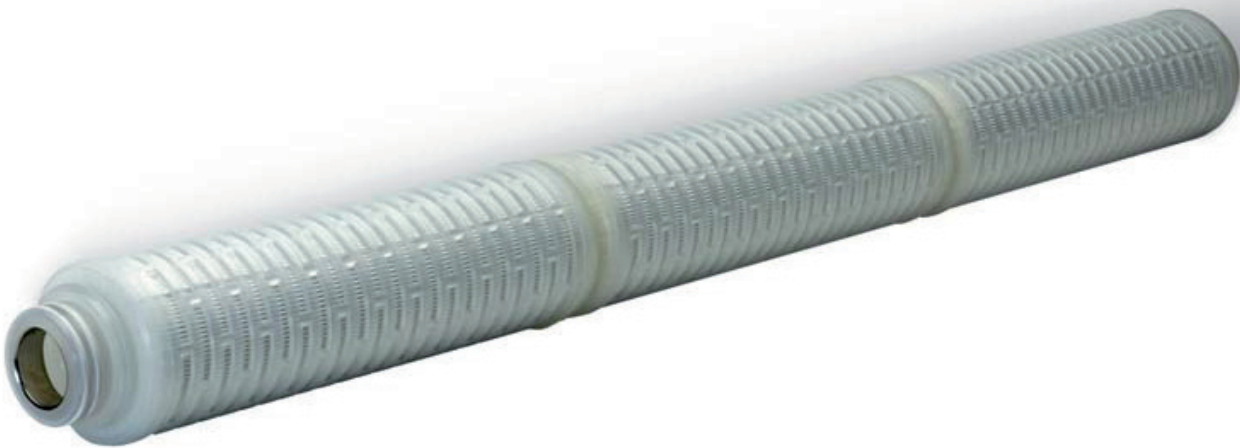
The amaFine cartridge is specially designed with either polyethersulphone or polysulphone membrane. The configuration and the protection of the sterile zone against mechanical damage are perfectly combined in a design to allow the filter cartridge with a high degree of integrity. To reduce the possibility of contaminating your product the amaFine can function as a vent filter to protect the product from viruses and mirco-organisms.

MAIN FEATURES

- Protection of sterile zone
- Configuration for effective filtration area
- Absolute filtration

APPLICATIONS

- R.O. pre-filtration
- Demineralized water
- Wine and Beer industry
- Food and Beverage
- General chemical



Product serie	Micron rating [μm]	Length [inch]	Max. T [°C]	Membrane
amaFine BC	0.1 – 0.65	10 – 40	65	Polyethersulphone
amaFine VM	0.45 – 1.2	10 – 40	65	Hydrophilic PES
amaFine WM	0.05 – 1.2	9.75 – 40	80	Polysulphone
amaFine TMV	0.2	10 – 40	65	PTFE

More information is available in the product serie datasheet.

CARTRIDGE FAMILY

End Caps



X0: DOE



X7



X3



X8



X4



X9



X5



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