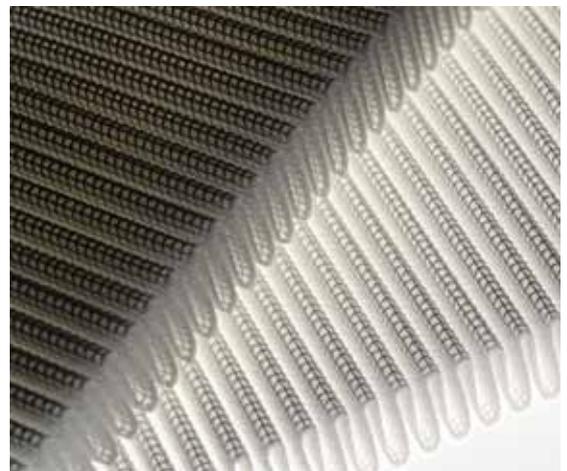


Capabilities

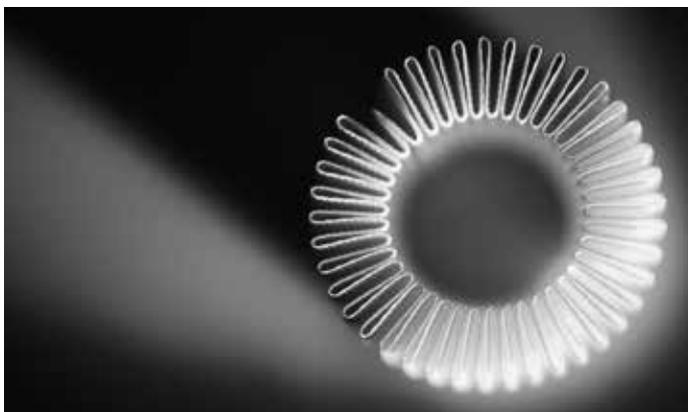
PLEATED COMPONENTS

Benefits

Pleated components are designed to enhance the filtration surface in a confined volume. The filter surface area is increased through pleating to obtain a higher filtration performance under low pressure drop. Using this technology it is possible to obtain high flow rates even with less powerful pumps or, in some cases, no pump at all (gravity feeding only). This leads to a longer filter life compared to common flat screens.



Sometimes it is necessary to assure faster “priming” of the filter, filling the internal volume in a very short time so the filtration process can start as quickly as possible. Once again pleated cartridges are very effective thanks to the high ratio between filtering area and internal volume. (Arterial filters are a good example of this advantage)



In conclusion:

pleated components are the ideal solution for high filtration performance in a limited space.

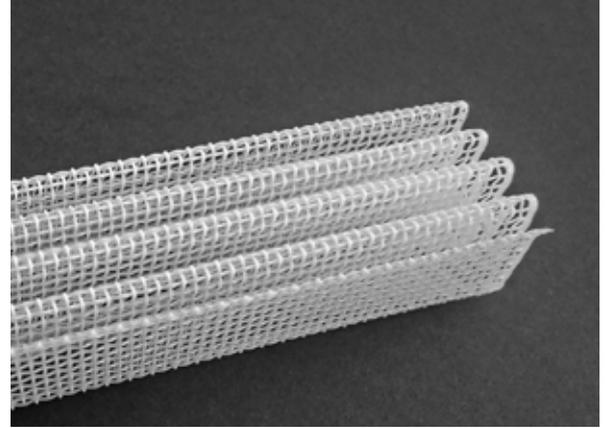
Product Range

Pleated Pack (Double or multiple layers)

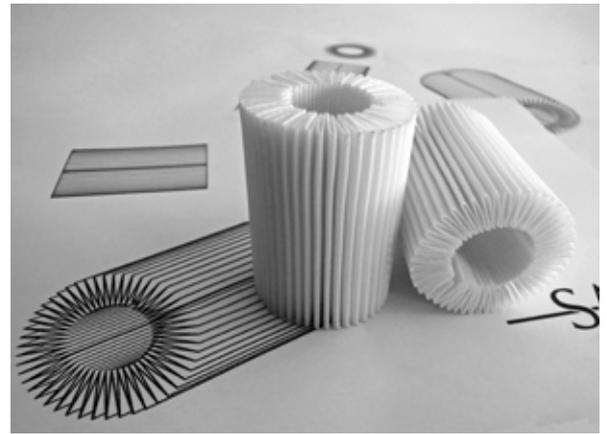
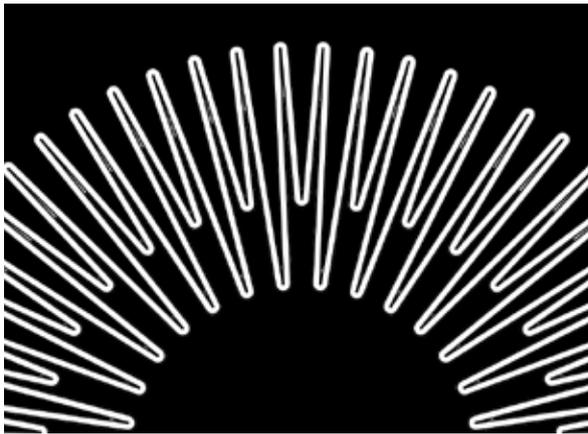


Double pleated height (optional)

Pleated Pack (Single Layer)



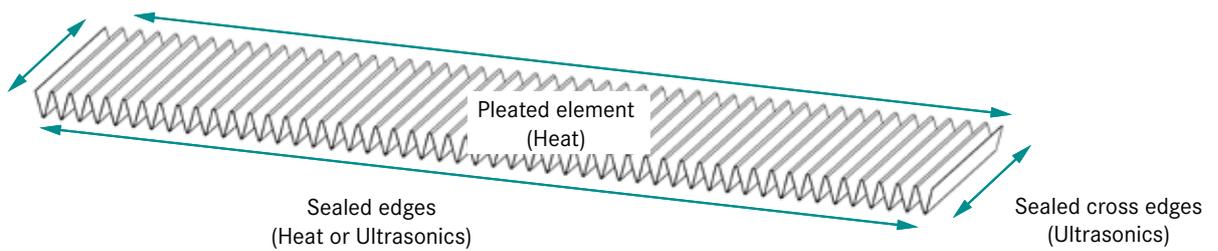
Pleated Cartridge



Fabrication Technology

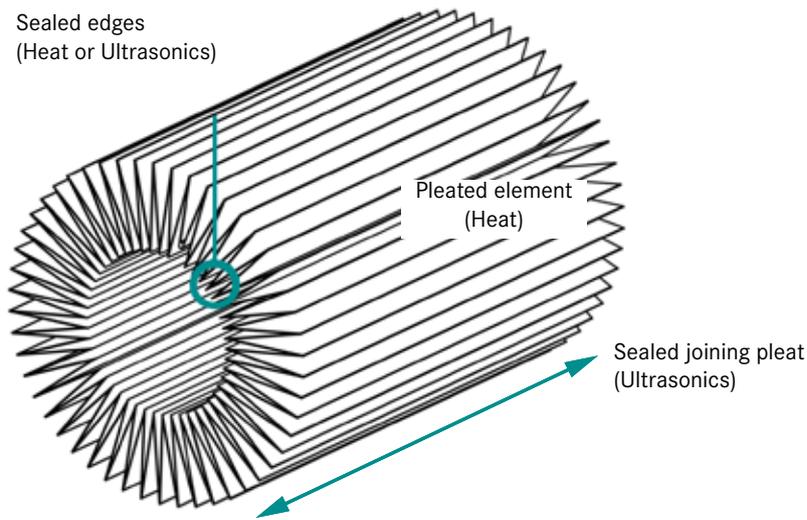
The technology used can be adapted to meet specific requirement. Pleated components are made up of single layers of ribbons (in monofilament woven mesh) which are cut and welded by the most advanced ultrasonic or heat cutting techniques.

Pleated pack



Pleated cartridge

Sealed edges
(Heat or Ultrasonics)

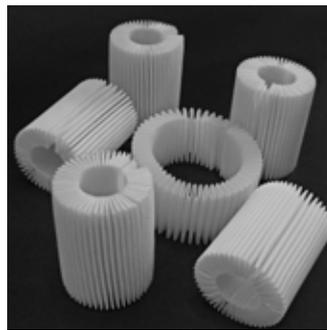


SAATI Customization

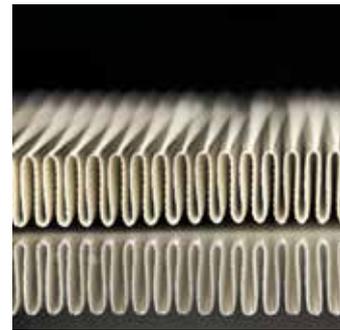
SAATI provides tailor-made solutions to suit the pleated specification you need. It is possible to customize the products dimension in:



Height
(pleated pack- cartridges)



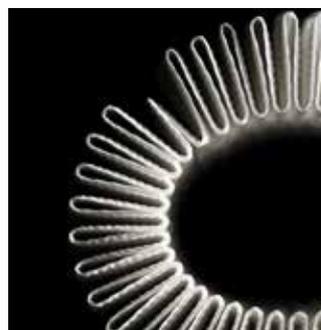
Diameter
(Pleated Cartridge)



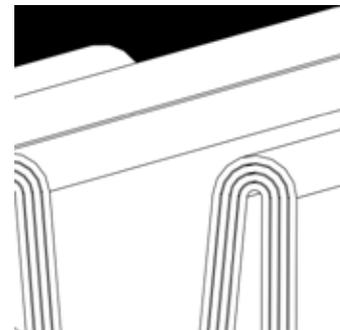
Number of Pleats



Length
(Pleated Pack)



Inside or outside sealing
(Pleated Cartridge)



Number of Layers
(up to 4)

These pictures are just an illustration of possible customization capabilities. Detailed informations about sizes are available on request.

Main Markets

Moreover SAATI pleated products are ideal choice for medical, automotive, water and home appliance industries, guaranteeing the highest quality.

All SAATI pleated products are manufactured in accordance with USP Class VI and UNI ISO 9001 standards.



Medicals



Automotive



Home Appliances



Water

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Company Profile

SAATI is a leader in the development, production and commercialization of high-tech precision monofilament and multifilament fabrics for advanced industrial application in several business segment.

SAATI is specialized in the production of technical fabrics and components in polyamide, polyester and polypropylene, with special finishing treatments.

The products are used in a wide range of different filtration fields, such as automotive, water, medical industries, acoustic, appliance sectors, milling, along with many other industrial applications.