

MF FILTER

Multi Functional Filter Elements



ASAHI
MULTI-FUNCTIONAL
FIBER

ASAHI FIBER INDUSTRY CO., LTD.

MF-I FILTER | Symmetric Type |

- feature1* MF-I FILTER is made from thermal bonded fiber of the polyolefin material without using any binder. The form is cylindrical shape and structure is rigid reticulation.
- feature2* Mechanical strength is large, and it is excellent in chemicals resistance.
- feature3* The porosity is high and the pressure drop is small.
- feature4* By using thermal bonded polyester fiber, heatproof of it can be improved.



Applications

- Filter for liquid
- Filter for high pressure air
- Filter for paints
- Core filter media of activated carbon filter
- Filter for softeners and purifiers
- Pre-filter of pure water production
- Pre-filter of ultra pure water production
- Silencer
- Diffuser tube

Specifications

- Inside diameter : 5 mm Φ ~ 165 mm Φ
- Outside diameter: 7 mm Φ ~ 200 mm Φ
- Thickness: 1 mm ~ 30 mm
- Length: 5 mm ~ 580 mm
(It is possible to produce it up to 1,000mm according to the product.)

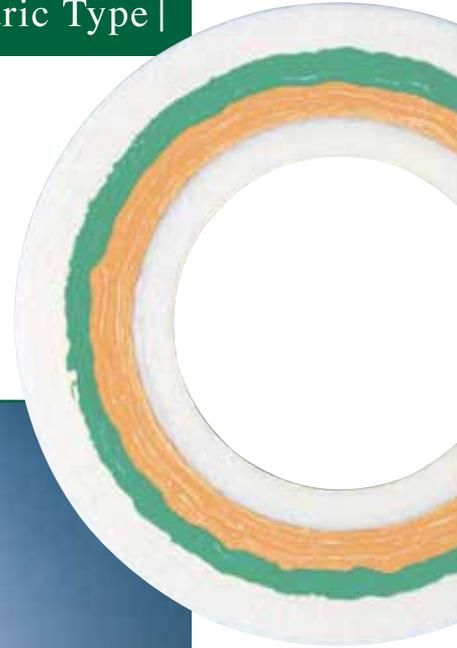
MF-II FILTER | Asymmetric Type |

feature 1 MF-II FILTER is an asymmetric filtration layer, and it has the density gradient.

feature 2 The pressure drop can be low for an asymmetric structure, and the filtration volume be greatly taken.

feature 3 The filtration efficiency is good because asymmetric structure, and in addition, cake holding capacity increases.

feature 4 MF-II FILTER can be construction by rolling various nonwoven sheet or paper on the way in the filtration layer, the filter that gives the function can be done.



Applications

- Filter for liquid
- Filter for high pressure air
- Filter for paints
- Filter for softeners and purifiers
- Pre-filter of ultra pure water process
- Silencer
- Oil mist separator

Specifications

- Inside diameter: 5 mm Φ ~ 165 mm Φ
- Outside diameter: 8 mm Φ ~ 200 mm Φ
- Thickness: 2 mm ~ 80 mm
- Length: 6 mm ~ 580 mm
(It is possible to produce it up to 1,000 mm according to the product.)

MF-III FILTER | Board Type |

feature 1 MF-III FILTER is produced by a main raw material of the thermal bonded fiber of polyolefin material.

feature 2 MF-III FILTER is large mechanical strength, and is excellent in chemicals resistance.

feature 3 Filtration Clarity can be arbitrarily selected by changing the fiber diameter or product porosity.

feature 4 The increase of cake-holding capacity and the life time extension can be achieved by changing the grade of the fiber.

feature 5 By wrapping the activated carbon fiber, the absorbent or the ion exchange fiber in the inner layer, the filter that gives the function can be done.



Applications

- Board filter
- Pre-filter for softeners and purifiers
- Filter for various absorbent fillings
- Inlet filter
- Finished goods made by nonwoven cloths
- Parts for activated carbon filter

Specifications

Board specifications

- Length, width: 400 mm × 400 mm (max)
- Thickness: 1 mm ~ 10 mm

(Please consult with the loading material of the seat, the material of the inlet, the filling condition and the specifications.)

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MF FIBER

Multi Functional Fiber Components



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FIBER ROD

- feature 1* FIBER ROD is produced by the polyolefin fiber (SL type) or the polyester fiber (EL type). By using only raw material without any binder.
- feature 2* The binder is not used, and FIBER ROD is the one that the fiber and fiber were bonded of heat.
- feature 3* Because the porosity of fiber rod can be arbitrarily selected, flow and retentively can be arbitrarily adjusted according to the characteristic of ink.
- feature 4* The FIBER ROD can be produced by mixing functional fibers of absorbent fiber and an anti-bacterial fiber, etc.
- feature 5* It is possible to correspond from a small lot to a large lot.



Applications

- Inner occlusion parts for writing materials (Ink Reservoir)
- Wick of air freshener and deodorant
- Medium for water culture
- Ink occlusion parts for office automation apparatus
- Absorbent parts
- Material for medical treatment
- Pre-filter for softeners and purifiers
- Filter media for high rate filtration

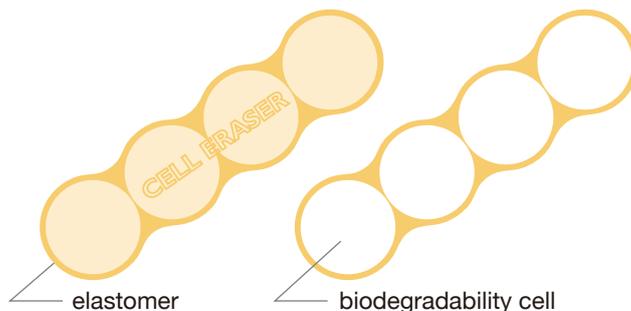
Specifications

- Diameter : 2 mm Φ ~ 30 mm Φ
- Length : 2 mm ~ 300 mm
- Porosity : 50% ~ 90%

There is a lot of kinds of fiber rod that the central portion is punctured.

CELL ERASER

- feature 1* CELL ERASER is good for environment because it is made of the polylactic acid fiber that is made by biodegradability fiber.
- feature 2* The powder doesn't drop easily so that the powder wiped off by the CELL ERASER may enter it between the fiber and the fiber.
- feature 3* The CELL ERASER is a product that applies the technology that makes the fiber rod of ASAHI FIBER. Therefore, the operation wiped off stabilizing the surface of the whiteboard can be maintained.
- feature 4* The CELL ERASER wins the GOOD DESIGN AWARD in Japan. The feature grasps it easily, and is easy-to-use products.



Specifications

- Four cells type
- Two cells type
(2 pieces attached for the exchange)
- One Cell type with small magnet
(1 peace attached for the exchange)

There are three kinds of each cell of color of blue, orange and green.

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