

## Filter element

### amaFlow M-GF elements for bag filter housings

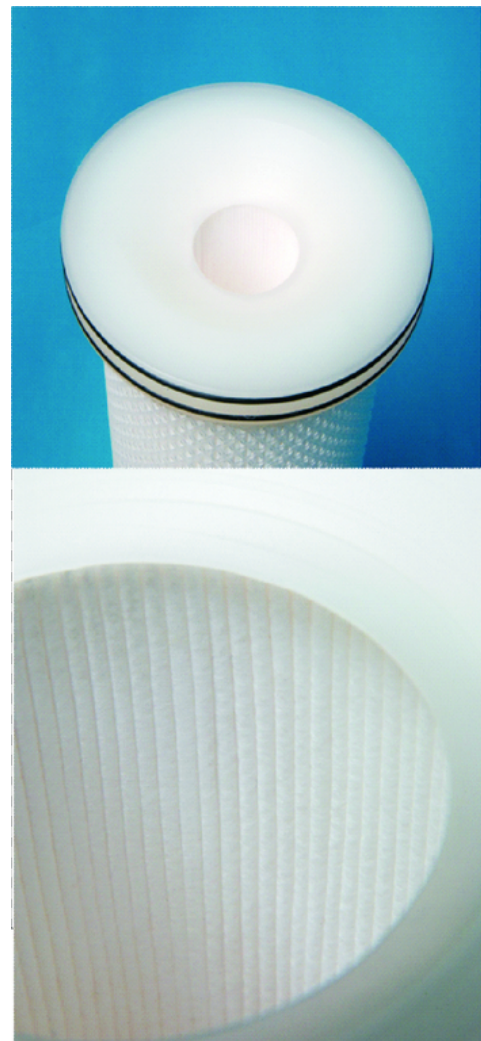
#### 1. Introduction

The amaFlow M-GF filter elements have been developed from the extensive amaFlow filter bag range to achieve high flow rates and high efficiencies in combination with the many advantages of filter bags, such as easy change-out and keeping contaminants on the inside of the element.

The absolute rated elements use a pleated borosilicate micro glass fibre filter material. This results in a filter element suitable for a wide range of applications.

The pleated filter elements have a 7" diameter flange which will retrofit fit into most filter bag housings, replacing filter bags or similar elements. The increased surface area results in much lower pressure drops and longer filtration life.

The amaFlow M-GF is a polypropylene / polyester construction, with absolute rated micro glass fibre media. The surface area is approximately 10 times greater when compared to a standard filter bag.



## 2. Features

- Elements are quick and easy to change-out.
- Inside-out flow keeps contaminants enclosed in the element.
- Elements are silicone free and are produced in a silicone free environment.
- Materials used comply with FDA requirements for food and beverage contact (acrylic binder version).
- Elements will retrofit into most bag filter housings without modification.

## 3. Product/Performance specifications

Filter medium	: borosilicate micro glass fibre
Support medium	: polyester
Hardware	: polypropylene
Thermally bonded end caps	
O-rings	: Buna-N, EPDM, silicone, Viton®, PTFE encapsulated Viton®

### Dimensions

External diameter	: 152 mm
Length	: see ordering information
Filtration area	: 2.3 m <sup>2</sup> / size 1 element 4.4 m <sup>2</sup> / size 2 element

### Maximum recommended differential pressure

Operating	: 1.7 bar at 25 °C
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### Maximum operating temperature

65 °C

## 4. Food safety

The filter elements comply with the requirements of the 'Food and Drug Administration (FDA)' title 21 of the "Code of Federal Regulations" 177.1520. This applies to element with acrylic binder.

## 5. Order code

### Example

amaFlow M-GF

10

P2

D1

S

F

### Element type

M-GF (glass-fibre)

### Micron rating [µm]

0.5, 1, 2, 3, 6, 10, 15

### Nominal length

P1 = size 1 (14" / 356 mm)

P2 = size 2 (26" / 660 mm)

### Flange style

D1 = single 261 O-ring

D2 = double 261 O-rings

### O-ring material

N = Buna N (standard)

E = EPDM (food grade)

S = silicone (food grade)

V = Viton®

F = PTFE encapsulated Viton®

### Binder type

- = epoxy binder (standard)

F = acrylic binder (food grade)

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