

Filter element

amaFlow M-MF elements for bag filter housings

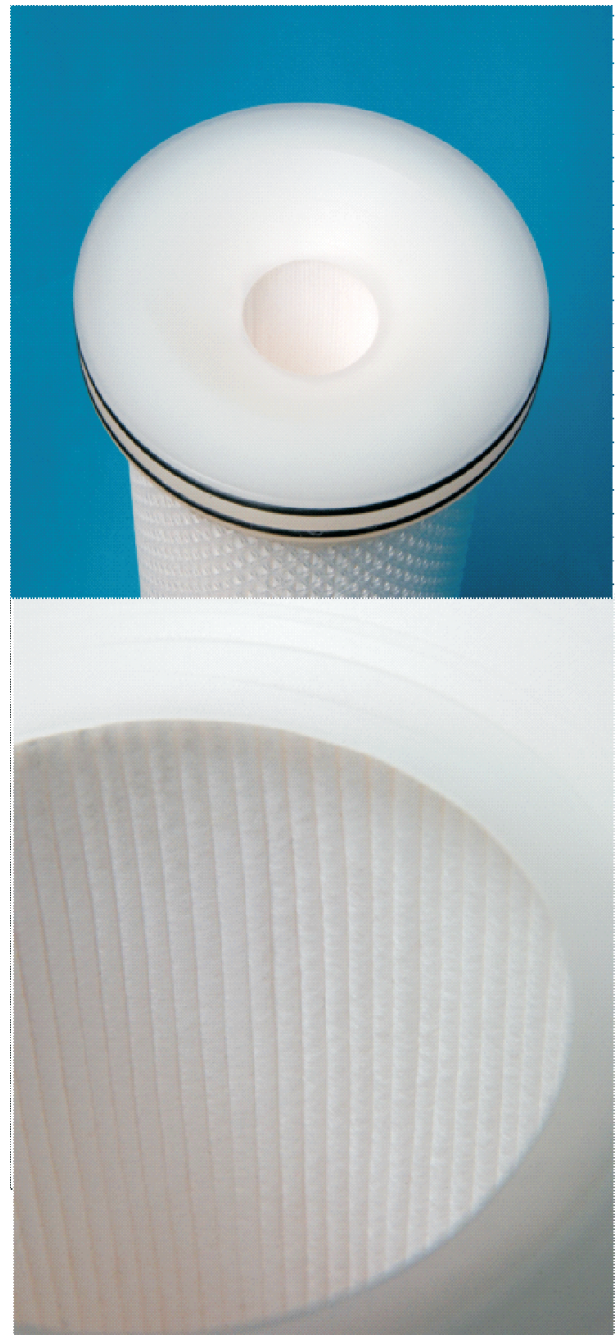
1. Introduction

The amaFlow M-MF 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 polypropylene micro 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 mm pressure drops and longer filtration life.

The amaFlow M-MF is an all polypropylene construction, with absolute rated polypropylene micro 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
- Elements will retrofit into most bag filter housings without modification

3. Product/Performance specifications

Filter medium :	polypropylene micro fibre
Support medium :	polypropylene
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 ² / size 1 element 4.4 m ² / 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.

Extractable substances

The elements are free of surfactants, lubricants, antistatic agents, binders and adhesives

5. Order code

Example

amaFlow	M-MF	10	P2	D1	S
Element type	M-MF (polypropylene micro fibre)				
Micron rating [µm]	0.5, 1, 3, 5, 10, 25, 50				
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-ring				
O-ring material	N = Buna N (standard) E = EPDM (food grade) S = silicone (food grade) V = Viton® F = PTFE encapsulated Viton®				