

Filter element

amaFlow M-BRB elements for bag filter housings

1. Introduction

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

These elements use a unique pleated resin bonded polyester needled felt filter material. This results in a filter element ideally suited for removing gel particles and the filtration of viscous fluids.

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-BRB have a polypropylene hardware construction, the cage is manufactured from resin bonded polyester. The surface area is approximately 5 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
- Non-compressible rigid fibres maintain uniformity under high pressure high viscosity applications
- Coated fibres do not absorb moisture, which is critical when filtering oil based or oil contaminated fluids
- Long staple polyester fibres, thus no fibre migration
- Elements are silicone free and are produced in a silicone free environment
- Elements will retrofit into most bag filter housings without modification

3. Product/Performance specifications

Filter medium	: resin bonded polyester needled felt
Hardware	: polypropylene
Outer cage	: resin bonded polyester
Thermally bonded end caps	
O-rings	: Buna-N, EPDM, Viton®, PTFE encapsulated Viton®

Dimensions

External diameter	: 152 mm
Length	: see ordering information
Filtration area	: 1.1 m ² / size 1 element 2.1 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. Order code

Example

	<i>amaFlow M-BRB</i>	10	P2	D1	N
Element type					
M-BRB = resin bonded felt					
Micron rating [µm]					
0.8, 1, 3, 5, 10, 25, 50, 75, 100, 200					
Nominal length					
P1 = size 1 (14" / 356 mm) P2 = size 2 (26" / 660 mm)					
Flange style					
P = universal plastic flange D1 = single 261 O-ring					
O-ring material					
N = Buna N (standard) E = EPDM V = Viton® F = PTFE encapsulated Viton®					

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