Filter bag
amaFlow BRB rigid fibre filter bags

1. Introduction

For a wide number of filtration applications amaFlow filter bags are a simple, easy to use and economical choice. The amaFlow BRB is made from resin coated polyester fibres. The resulting graded double layer rigid depth design makes the filter bag ideally suited for removing gel particles.
2. Features

- Non-compressible rigid fibres maintain uniformity under high pressure high viscosity applications.
- Dual density depth design results in superior gel removal. The double layer design is standard, the inner layer is coarser for effective solids removal and to improve dirt holding capacity.
- Coated fibres do not absorb moisture, which is important in oil based or oil contaminated fluids.
- Long staple polyester fibres, thus no fibre migration.
- Bag is also available in single layer design.
- Bags are quick and easy to change-out.
- Inside-out flow keeps contaminants enclosed in the bag.
- Bags are silicone free and are produced in a silicone free environment.
- The standard amaFlow filter bags are sized to fit into our baskets and housings, but will also fit into most other housings.

3. Description

The amaFlow BRB rigid fibre filter bags are all sewn. The filter bags are equipped with handles as standard:
- S, SS : Handle strap
- P : 2 handles in flange

Types
The amaFlow BRB rigid fibre filter bags are available in resin coated polyester with many different micron ratings. The amaFlow filter bags seal with either a Snap-Collar seal comprising of either carbon steel or stainless steel or with a plastic seal flange in polypropylene.

4. Sealing systems

In order for bag filters to function properly, especially with smaller pore sizes, a good seal between bag and support basket is of great importance. For this reason we have two options:
- The Snap-Collar; a felt-covered metal or plastic ring which clicks neatly into the upper collar of the support basket. The felt serves as the sealing.
- The plastic seal type (a plastic flange with handles) which tightly fits into our standard baskets.
### 5. Temperature and chemical resistance

<table>
<thead>
<tr>
<th>Filter bag grade</th>
<th>BRB</th>
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<tbody>
<tr>
<td></td>
<td>resin coated polyester</td>
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<tr>
<td><strong>Max. temperature [°C]</strong></td>
<td>150*</td>
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</tbody>
</table>

**Resistance to:**
- inorganic acids: ++
- organic acids: ++
- alkalines: +
- oxidising agents: ++
- solvents: +++
- vegetable/animal oils: +++
- micro-organisms: +++

+++ = excellent  
++ = good  
+ = fair  
- = not recommended

*100 °C for polypropylene ring / flange
6. Order code

**Example**

| Material         |  |  |  |  |  |  |
|------------------|---|---|---|---|---|
| BRB = rigid fibre, made from resin coated polyester | amaFlow BRB | 5 | P | 2 | SS | HS |
| Micron rating [µm] | 1, 5, 10, 25, 50, 75, 100, 200 |
| Finish           | P = plain |
| Bag dimensions   | 1 = size 1 (Ø 178 x 432 mm) |
|                  | 2 = size 2 (Ø 178 x 787 mm) |
| Ring/seal        | S = carbon steel ring (Snap-Collar) |
|                  | SS = stainless steel AISI 304 ring (Snap-Collar) |
|                  | P = polypropylene flange |
| Configuration    | No symbol = double layer (standard) |
|                  | SL = single layer |
| Handles          | HS = handle strap, standard on S and SS |