

MAHLE

Industrial Filtration

Filter bag amaFlow Needed felt

for water treatment applications

1. Introduction

For bag filtration in water treatment applications MAHLE Industrial Filtration has a range of needed felt filter bags for the AFH bag filter housings. The amaFlow needed felt bags are mainly employed where depth filtration is required. The three dimensional media provides good depth filtration characteristics and high solids loading versus two dimensional media.



2. Features

- 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 amaFlow AP 0.5 bag has an improved selectivity because of a special coating layer on the felt.
- Materials used for amaFlow AP and SP conform to the European Directive 2002/72/EC for plastic materials and articles intended to come into contact with foodstuffs (food & beverage).
- More cost effective filtration at lower micron ratings versus two dimensional media, eg mesh.

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 the plastic flange (with handles) which tightly fits into our housings.

5. Ordering code

Example

	amaFlow AP	10	P	2	P
Material					
AP = polyester					
SP = polypropylene					
Micron rating [µm]					
AP : 0.5, 0.8, 1, 3, 5, 10, 25, 50, 75, 100, 150, 200					
SP : 0.8, 1, 3, 5, 10, 25, 50, 75, 100, 150, 200					
Finish					
P = plain (standard for AP)					
P/S = thermally treated (standard for SP, improved outer surface)					
Bag dimensions					
1 = size 1 (Ø 178 x 432 mm)					
2 = size 2 (Ø 178 x 787 mm)					
Ring/seal					
P = polypropylene flange					
P-WE = polypropylene flange, fully welded (standard for SP)					

3. Description

The amaFlow AP filter bags are sewn as standard at the ring, have a welded longitudinal seam and are sewn at the bottom seam. (AP 0.5 is all sewn, the SP bag is fully welded). The polyester and polypropylene filter bags are equipped with handles as standard.

Types

The amaFlow needled felt bags for AFH are available as standard in polyester or polypropylene with many different micron ratings.

The amaFlow filter bags for AFH seals with a plastic seal flange.

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