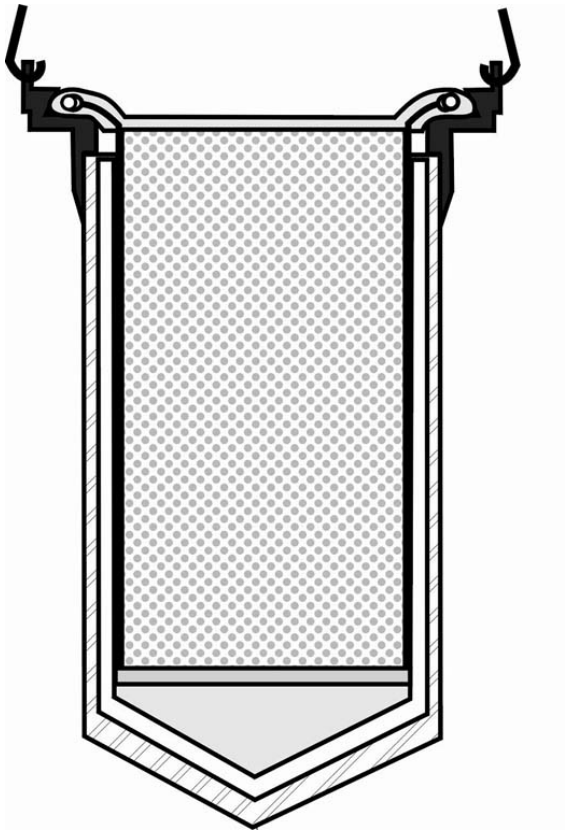
MAHLE

Industrial Filtration

Filter bag
amaFlow Absorptive

1. Introduction

For a wide number of filtration applications amaFlow filter bags are a simple, easy to use and economical choice. We supply a wide range of filter bags and bag filter housings.
The amaFlow SPAR absorptive filter bags are used for treating liquids by absorbing specific substances.
Depending on the requirements, for example activated carbon or polypropylene can be used to treat the liquid.
By selecting a specific micron rating for the bag itself you can get the desired filtration effect.



2. Features

The amaFlow SPAR absorptive filter bags are available in three types:

- PP: Filled with polypropylene microfibres to remove mineral oils or grease from aqueous based liquids.
- AK:With activated carbon to absorb various substances. The activated carbon is packed separately.
- XX: Empty bag. A zip opening in the cover enables filling of the absorptive material into the bag. This bag can be used for treating liquids with activated carbon or other products.

4. Sealing systems

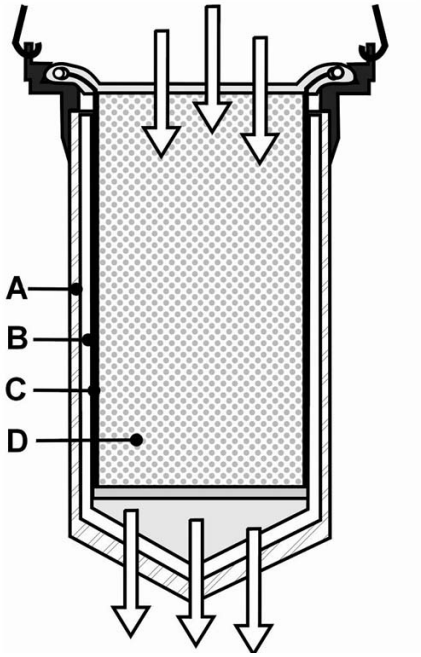
The amaFlow SPAR absorptive bags are made from polypropylene and supplied with a handle strap.

The standard amaFlow filter bags have sizes to fit into our baskets and housings, but will also fit into most other housings. 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. The amaFlow SPAR filter bag has 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 amaFlow SPAR-PP is supplied with a nylon mesh cover for easy mounting of bag. Optional it is also available without mesh cover.

3. Description

The amaFlow SPAR filter bags are designed especially for their purpose with the functional part for liquid treatment incorporated into the filter bag. This allows maximum contact time while keeping pressure drops across the material to a minimum.
The top disc pre-filter material removes dirt and other particulate material prior to the absorption. As the sides of the bag are impermeable the liquid will flow vertically through the entire column. The filter bag is constructed as standard from 100 µm needled felt, other micron ratings are available for specific requirements. The bag filter media will remove further solids, thus acting as a polishing and safety filter.



A = Basket
B = Filter bag material
C = Non permeable layer
D = Absorbent

5. Temperature and chemical resistance

Filter bag grade	**SPAR** polypropylene	
Max. temperature [°C]	100	
resistance to:		+++ = excellent ++ = good + = fair - = not recommended
inorganic acids	++	
organic acids	+++	
alkalines	++	
oxidising agents	+	
solvents	++	
vegetable/animal oils	+++	
micro-organisms	+++	

6. Ordering code

Example

	amaFlow SPAR	*100*	*XX*	*P/S*	*2*	*S*	HS	
Micron rating µm]								
100: as standard								
Optional : 1, 3, 5, 10, 25, 50, 75, 100, 150, 200								
Filling material								
XX = empty								
AK = activated carbon (PK 1-3)								
PP = polypropylene microfibres								
Finish								
P/S = standard finish for SP (with improved outer surface)								
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)								
PO = polypropylene ring (Snap-Collar)								
Handle								
HS = handle strap from polypropylene (standard)								
Cover (PP type only)								
N = nylon mesh cover (standard)								
- = no cover (optional)								

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