

MAHLE

Industrial Filtration

Filter bag amaFlow Multifilament

1. Introduction

For a wide number of filtration applications amaFlow filter bags are a simple, easy to use and economical choice. amaFlow woven multifilament filter bags are mainly employed where straining is required. The woven non-fibre shedding material is a low cost filter bag alternative.



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.
- Filter bags and bag filter housings are usually employed as closed systems, but open or end-of-pipe applications are attractive alternatives.
- The standard amaFlow filter bags are sized to fit into our baskets and housings, but will also fit into most other housings. Special sizes are available on request.

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 flange (with handles) which tightly fits into our standard baskets.

3. Description

The amaFlow multifilament filter bags are all sewn. The filter bag can be supplied with an optional handle strap.

Filter bags with P flange have standard two handles in flange (size 3, 4: one handle).

Types

The amaFlow multifilament bags are available in nylon or polyester with many different micron ratings. The amaFlow filter bags seal with either a Snap-Collar seal comprising of either carbon steel, stainless steel or polypropylene or with a plastic seal flange. For open systems (uses outside a filter housing) the filter bags can also be supplied without any ring (thus no integrated means of fastening) or with a pull cord only.

5. Temperature and chemical resistance

Filter bag grade	NMU nylon	PEMU polyester	
Max. temperature [°C]	100	150*	
resistance to:			+++ = excellent ++ = good + = fair - = not recommended
inorganic acids	-	++	
organic acids	+	++	
alkalines	+++	+	
oxidising agents	-	++	
solvents	+++	+++	
vegetable/animal oils	+++	+++	
micro-organisms	+++	+++	

* 100 °C for polypropylene ring / flange

6. Order code

Example

amaFlow NMU 100 P 2 S -

Material

NMU = nylon

PEMU = polyester

Micron rating [μm]

NMU: 100T, 150, 200, 250, 300, 400, 600, 800, 1200, 1500, 6000

PEMU: 100T, 150, 200, 250, 300, 400, 600, 800

Finish

P = plain

Bag dimensions

1 = size 1 (\varnothing 178 x 432 mm)

2 = size 2 (\varnothing 178 x 787 mm)

3 = size 3 (\varnothing 104 x 203 mm)

4 = size 4 (\varnothing 104 x 356 mm)

30 = size 30 (\varnothing 106 x 254 mm)

65 = size 65 (\varnothing 106 x 559 mm)

Other dimensions are available on request

Ring/seal

S = carbon steel ring (Snap-Collar)

SS = stainless steel AISI 304 ring (Snap-Collar)

PO = polypropylene ring (Snap-Collar)

P = polypropylene flange (size 1, 2)

polyethylene flange (size 3, 4)

N = no ring

DS = draw string

Additional handle

HS = handle strap (standard on size 30 and 65 for S, SS and PO ring)

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