

## Filter bag

### amaFlow PEXLand POXL extended life needed felt 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 XL extended life needed felt filter bags have improved filtration properties and an extended service life due to increased depth design from graded felt.



#### 2. Features

- amaFlow PEXL and POXL are made from a thicker, graded felt material (polyester or polypropylene). The contaminant load is gradually removed from the liquid when filtered through the graduated structure of filtration media.
- 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.
- Materials used conform to the European Directive 2002/72/EC for plastic materials and articles intended to come into contact with foodstuffs (food & beverage).
- The standard filter bags have sizes to fit into Filtration Group baskets and housings, but will also fit into most other housings.

#### 4. Description

The amaFlow POXL filter bags are fully welded. The amaFlow PEXL filter bags are sewn at the ring, have a welded longitudinal seam and are sewn at the bottom seam.

The filter bags are equipped with two handles on the flange as standard.

#### 3. Types

The amaFlow XL extended life needed felt filter bags are available as standard in polyester or polypropylene with many different micron ratings. The amaFlow PEXL and POXL filter bags seal with a plastic seal flange in polypropylene.

The PEXL and POXL filter bags are also available in added area configuration (-AA), to be used with special support baskets.

For details please see respective Data Sheet.

#### 5. 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.



## 6. Surface treatment

All amaFlow XL extended life needed felt filter bags are thermally treated on the outside as standard. This will further minimise any possible release of fibres from the needed felt filter media. During the thermal treating process the softened fibres are bonded together on the downstream side of the bag.

## 7. Temperature and chemical resistance

Filter bag grade	PEXL polyester	POXL polypropylene	
Max. temperature [°C]	95	95	
resistance to:			
inorganic acids	++	++	+++ = excellent
organic acids	++	+++	++ = good
alkalines	+	++	+ = fair
oxidising agents	++	+	- = not recommended
solvents	+++	++	
vegetable/animal oils	+++	+++	
micro-organisms	+++	+++	

## 8. Order code

Example

amaFlow	POXL	50	P/S	2	P-WE
<b>Material</b>					
PEXL = polyester					
POXL = polypropylene					
<b>Micron rating [µm]</b>					
PEXL: 1, 5, 10, 25, 50, 75, 100					
POXL: 1, 5, 10, 25, 50, 75, 100					
<b>Finish</b>					
S = outside thermally treated (PEXL)					
P/S = outside thermally treated (POXL)					
<b>Bag dimensions</b>					
1 = size 1 (Ø 178 x 432 mm)					
2 = size 2 (Ø 178 x 787 mm)					
<b>Ring/seal</b>					
P = polypropylene flange (PEXL), with ring sewn, longitudinal seam welded and bottom seam sewn					
P-WE = polypropylene flange, fully welded (POXL)					
<b>Other options</b>					
1PK = single packed in plastic bag, together in box					