



## Bag filters with extended service life **POXL PEXL**

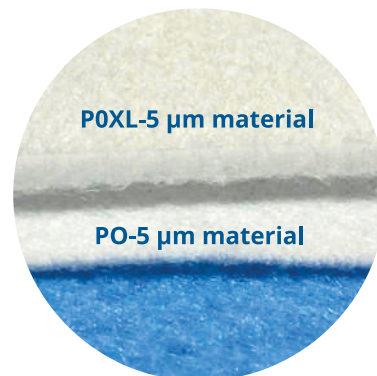
Extended service life filter bags are made of small diameter polyester or polypropylene fibres and the thickness of the filter material is increased. The resulting porous structure of the material ensures long service life, higher efficiency of filter bags while maintaining low initial pressure  $\Delta P$ .

In order to reduce the migration of fibres into the filtrate to the lowest possible level, the outer surface of the material is subject to thermal treatment.

The use of long-life filter bags significantly reduces operating costs driven by replacement of filter cartridges

- Fully welded design of the filter bag provides 100% tightness of the bag while maintaining high efficiency.
- Silicone free filter material.
- Filter bags with self-sealing flange

**Material  
thickness  
difference:**



## Filter specification:

<b>Material</b>	Polyester PEXL, polypropylene POXL
<b>Effectiveness</b>	1; 5; 10; 25; 50; 100; µm
<b>Flange</b>	Polypropylene, polyester self-sealing flange

## Sizes - parameters

Size	Filtering surface	Maximum flow <sup>1</sup>
01: Ø 180 x 430 mm 02: Ø 180 x 810 mm	01: 0,24 m <sup>2</sup> 02: 0,48 m <sup>2</sup>	01: 15 m <sup>3</sup> /h 02: 30 m <sup>3</sup> /h
Maximum operating temperature	Polyester 140 °C ; Polypropylene 90 °C	
Recommended bag replacement ΔP	1 – 1,5 bar	

<sup>1</sup> For liquids with a dynamic viscosity of 1 mPa · s @ 20 °C.

# Filter bag designations

## Material

Max. temper.

**POXL** - polypropylene non-woven fabric **90°C**

**PEXL** - polyester non-woven fabric **140°C**

## Efficiency

filtration accuracy - micron rating

**POXL, PEXL** - 1; 5; 25; 50; 100 µm

## Finishing

**G** - calendered surface

## Size

Filter bag size

**1** - ø180/L=430 [mm]

**2** - ø180/L=810 [mm]

Filter surface

0,24 m<sup>2</sup>

0,48 m<sup>2</sup>

## Flange type

**P** - self-sealing polypropylene flange

**PE** - self-sealing polyester flange

**WE** - welded bag

**POXL 50 G2 P-WE**