Brisbane, Australia
www.monarchindustrial.com.au
www.monarchasiapacific.com.au

LONG LIFE FILTER BAG

POXL / PEXL series

Offers long lifetime at filtration performance

Long Life filter bags filter material is manufactured from a special blend of fibers. The special depth structure and increased thickness of the filter material extends the lifetime by approximately two to five times longer vs. standard filter bags.

Applications

- Automotive coating systems
- Electrophoretic paint and plating
- Lubricating or hydraulic oils
- Chemicals
- Solvents
- Amines
- Edible oils and juices
- Syrups
- Water and many more

Features and benefits

- Available with three different plastic seal rings adapts to any bag filter housing (see photos 2nd page)
- Fully-welded construction in combination with plastic seal ring provides bypass-free filtration
- Material is free from craterforming substances (such as silicones etc)[1*]
- Downstream side is singed using a special heat process to eliminate fiber migration

Filter specifications

Materials

Long-life polypropylene needle felt
Long-life polyester needle felt

Seal rings

Welded plastic seal rings in polypropylene or polyester

Retention ratings

1, 5, 10, 25, 50, 100 µm

Dimensions / Parameters

Sizes

01: Ø 178 x 420 mm
02: Ø 178 x 810 mm

Filter area

01: 0.24 m²
02: 0.48 m²

Max. differential pressure[2*]

2.5 bar

Recommended change-out pressure drop for disposal[3*]

≈ 0.8 to 1.5 bar

Maximum operating temperatures

Polypropylene: < 90 °C
Polyester: < 140 °C

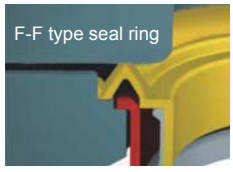
Maximum flow rates[4*]

01: 15 m³/h
02: 30 m³/h

Brisbane, Australia
www.monarchindustrial.com.au
www.monarchasiapacific.com.au

Retention ratings

Range	Codes	Materials	Retention ratings (µm)						Sizes		Max. operating temperatures (°C)	Chemical compatibility				
			1	5	10	25	50	100	01	02		S.Acid	W.Acid	W.Alkali	S.Alkali	Solvent
Long-life filter bags	POXL	Polypropylene	■	■	■	■	■	■	■	■	< 90	■	■	■	■	✕
	PEXL	Polyester	■	■	■	■	■	■	■	■	< 140	○	■	○	✕	■



Ordering information

Codes / Materials
POXL: Long-life polypropylene needle felt
PEXL: Long-life polyester needle felt

Sizes
01: Ø 178 x 420 mm
02: Ø 178 x 810 mm

Seal rings
B: Beato welded polypropylene / polyester seal ring*
E: E type welded polypropylene / polyester seal ring*
F: F type welded polypropylene / polyester seal ring*

* Filter material and seal rings = same material

POXL **-5** **-P** **02** **B**

Retention ratings
1, 5, 10, 25, 50, 100 µm

Cover layer
P: No cover

1 Based upon accepted paint compatibility test*
2 Max. DP tested with basket in liquid filtration conditions*
3 Depending on customer's application requirements*
4 For fluids with a dynamic viscosity of 1 mPa·s @ 20 °C*