

LONG LIFE FILTER BAG

POXL / PEXL series

Offers long lifetime at filtration performance



Feature-Tec's 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)*

- 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

Recommended flow rates^{4*}

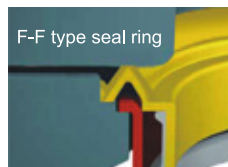
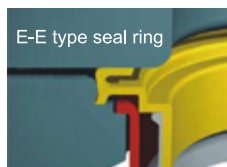
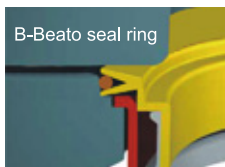
01: 15 m³/h

02: 30 m³/h

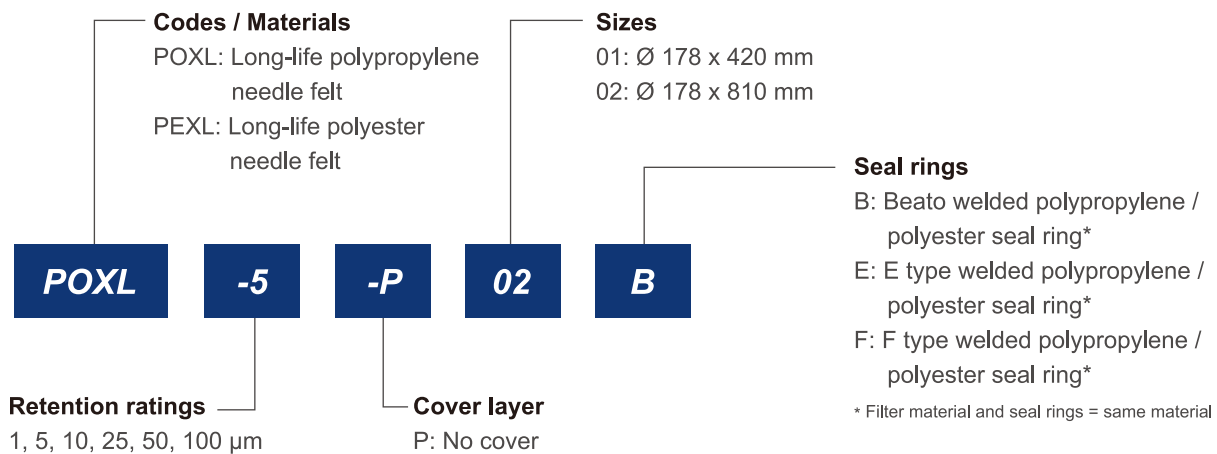
■ Long Life Filter Bags Range

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



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

