



## Cost-effective filter bags for demanding applications

Eaton's ABP filter bags are suitable for a wide range of applications such as beverage filtration, fine particle removal in parts cleaning, activated carbon removal in process systems, the final filtration of vinegar, lacquers, hydraulic oils and lubricants and many more.

With efficiencies greater than 99%, each ABP filter bag model provides cost-effective filtration solutions for demanding applications. The four models ensure that users can efficiently remove particles ranging from 1 – 25 µm while delivering a long service life.

### Features and benefits

- ABP polypropylene filter bags are fabricated from hydrophobic microfiber filter material, which require pre-wetting with an aqueous solution (full details about wetting and installation are provided with every box of ABP filter bags)
- Highly efficient melt-blown filter material in polypropylene with graded density profiles to maximize dirt-holding capacity and prolong service life
- No additives such as resins, binders or surface treatments
- Spunbond polypropylene cover layer virtually eliminates fiber migration

- Unique UNI-WELD process for bottom seam provides a stronger, more flexible weld seal
- Fully-welded construction with patented SENTINEL® seal ring provides 100% bypass-free filtration
- The pressure-activated SENTINEL seal ring provides a flexible, chemically resistant seal which adapts to any bag filter housing

### Filter specifications

#### Material

Melt-blown polypropylene

#### Cover layer

Spunbond polypropylene

#### Seal ring

Welded polypropylene SENTINEL seal ring

#### Retention ratings<sup>1</sup>

1, 5, 10, 25 µm  
@ > 99% efficiency

### Dimensions/Parameters

#### Sizes

03: Ø 4 x 9" L (100 x 230 mm)  
04: Ø 4 x 15" L (100 x 380 mm)

#### Filter area

03: 0.9 ft<sup>2</sup> (0.08 m<sup>2</sup>)  
04: 1.7 ft<sup>2</sup> (0.16 m<sup>2</sup>)

#### Max. operating temperature

Polypropylene: 194 °F (90 °C)

#### Max. differential pressure

36 psi (2.5 bar)

#### Recommended change-out pressure for disposal<sup>2</sup>

11.6 – 21.7 psi (0.8 – 1.5 bar)

#### Max. flow rates<sup>3</sup>

03: 13 GPM (3 m<sup>3</sup>/h)  
04: 22 GPM (5 m<sup>3</sup>/h)

### FDA/EC conformity

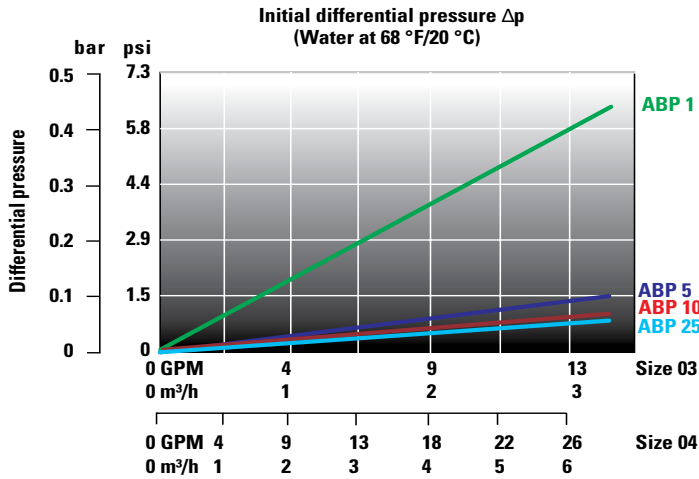
All polypropylene materials used in manufacturing comply with the regulations of the Food and Drug Administration (FDA), title 21 of the Code of Federal Regulations Section 177, and EC Regulations 1935/2004 and EC Directive 2002/72/EC, as applicable for food and beverage contact.

# EATON

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# ABP Filter Bag Range

## Flow rates



## Filter removal efficiency

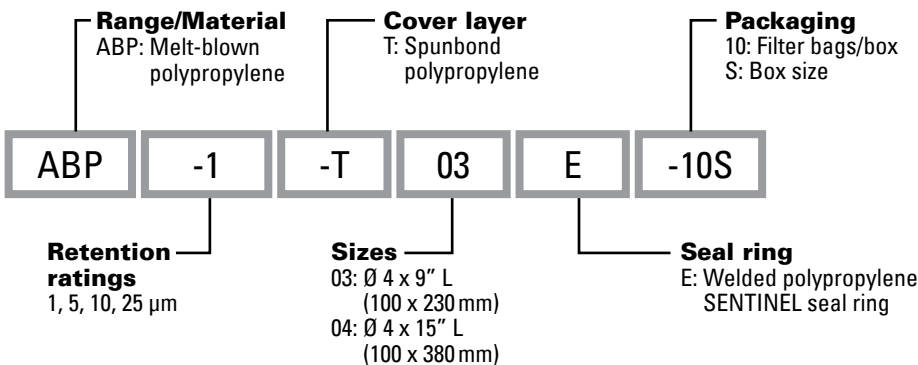
Retention ratings <sup>1</sup> ( $\mu\text{m}$ )	Particle sizes ( $\mu\text{m}$ ) at common removal efficiencies (%)				Max. operating temperatures °F (°C)
	> 60%	> 90%	> 95%	> 99%	
1	-	1	2	4	194 (90)
5	1	2	4	5	194 (90)
10	2	5	10	30	194 (90)
25	10	30	40	-	194 (90)

<sup>1</sup> Reference values based on single pass tests in ambient lab conditions with ISO test dust in water at 44 GPM (10 m³/h)/size 02.

<sup>2</sup> Dependent on the respective applications and their requirements.

<sup>3</sup> For liquids with a dynamic viscosity of 1 mPa·s @ 68 °F (20 °C).

## Ordering information



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