



## Filter bags for applications demanding efficiencies greater than 99%

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

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

### Features and Benefits

- ACCUGAF 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 ACCUGAF filter bags)
- Highly efficient melt-blown filter material in polypropylene or polyester with graded density profiles to maximize dirt-holding capacity and prolong service life
- No additives such as resins, binders or surface treatments

- Double downstream 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
- Eaton strongly recommends the use of an insertion tool that facilitates the insertion of the filter bag into the bag filter housing and ensures the correct alignment of the filter bag inside the restrainer basket

### Filter Specifications

#### Materials

Melt-blown polypropylene or polyester

#### Cover layers

Polypropylene or polyester mesh

#### Seal rings

Welded polypropylene or polyester SENTINEL seal ring

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

1.5, 3, 5, 10, 25 µm  
@ > 99% efficiency

### Dimensions/Parameters

#### Sizes

01: Ø 7 x 17" L (180 x 435 mm)  
02: Ø 7 x 32" L (180 x 810 mm)

#### Filter area

01: 2.6 ft<sup>2</sup> (0.24 m<sup>2</sup>)  
02: 5.2 ft<sup>2</sup> (0.48 m<sup>2</sup>)

#### Max. operating temperatures

Polypropylene: 194 °F (90 °C)  
Polyester: 302 °F (150 °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>

01: 35 GPM (8 m<sup>3</sup>/h)  
02: 66 GPM (15 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.

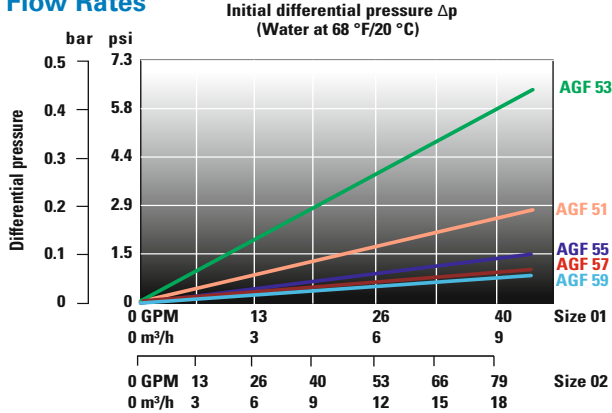
ACCUGAF AGFE filter bag models are NOT compliant with the above mentioned EC Regulations and Directives.



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# ACCUGAF Filter Bag Range

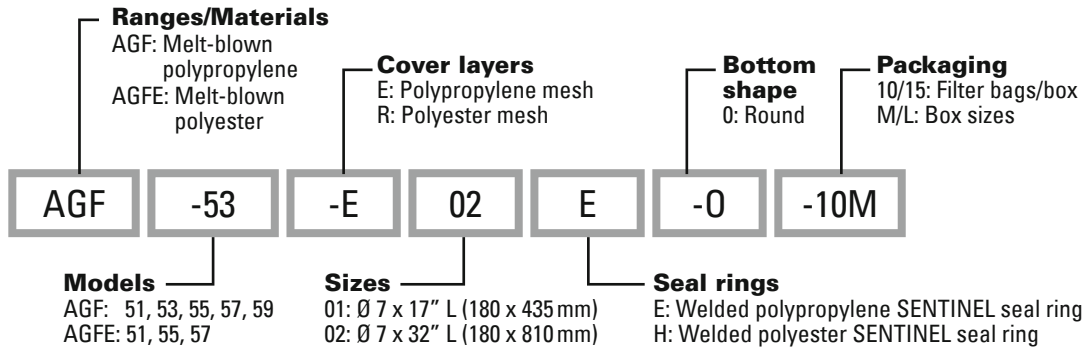
## Flow Rates



## Filter Removal Efficiency

Materials	Models	Particle sizes ( $\mu\text{m}$ ) at common removal efficiencies (%)					$\Delta p$ psi (bar) size 02 @ 44 GPM (10 m <sup>3</sup> /h)	Max. operating temperatures °F (°C)
		> 60%	> 90%	> 95%	> 99%	> 99.9%		
Polypropylene	AGF 51	0.2	0.6	0.8	1.5	5	1.3 (0.09)	194 (90)
	AGF 53	0.8	1	2	3	5	3.2 (0.22)	194 (90)
	AGF 55	1	2	3	5	15	0.7 (0.05)	194 (90)
	AGF 57	2	4	5	10	25	0.6 (0.04)	194 (90)
	AGF 59	10	20	22	25	35	0.4 (0.03)	194 (90)
Polyester	AGFE 51	0.2	0.6	0.8	1.5	5	1.3 (0.09)	302 (150)
	AGFE 55	1	2	3	5	15	0.7 (0.05)	302 (150)
	AGFE 57	2	4	5	10	25	0.6 (0.04)	302 (150)

## Ordering Information



- Reference values based on single pass tests in ambient lab conditions with ISO test dust in water at 44 GPM (10 m<sup>3</sup>/h)/size 02.
- Dependent on the respective applications and their requirements.
- For liquids with a dynamic viscosity of 1 mPa·s @ 68 °F (20 °C).