Wide range of filter bag materials and fabrication technologies to meet every need

From unique element designs that range from multilayer construction, pleated extended surfaces and fully-welded seams to advanced sealing technology, Eaton delivers performance products for both simple and complex applications.

Whether sewn or welded, Eaton filter bags are fabricated using the most advanced techniques and equipment in the world. Highly automated welding systems produce consistent, dependable bag construction. Eaton's proprietary UNIWELD system provides bag seals that are strong, yet flexible to conform to restrainer baskets. Foodgrade products are manufactured in facilities where both the environment and materials are controlled to assure cleanliness.

This range of design and fabrication options offers solutions for the full spectrum of fine and coarse filtration applications. Repeatable, durable, cost-effective technology is working for Eaton's customers.

Eaton's complete line of single and multi-bag filter housings and filter bags are used in a variety of industries and are designed to meet the needs of the most demanding applications. Eaton's bag filtration systems help customers around the world meet their need for efficiency, safety, convenience and value.



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Powering Business Worldwide

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Filter Bags

PROGAF™ ACCUGAF™ ABP LOFCLEAR™

MAX-LOAD™ HAYFLOW™ DURAGAF™ CLEARGAF™

SENTINEL[®] SNAP-RING[®] UNIBAG™ BANDSEAL™

High performance unparalleled selection

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Eaton Filter Bags

Selection Guide

HIGH EFFICIENCY



PROGAF filter bags Combines high-efficiency media with a high-capacity pre-filter for effective retention rating down to the submicron level.



ACCUGAF filter bags Highly efficient with an extremely high particle retention rating.



ABP filter bags Cost-effective filtration solutions for demanding applications with efficiencies greater than 99%.



LOFCLEAR filter bags Highly effective filter bags with a special, multi-layer construction that results in *absolute* efficiency for demanding applications.





MAX-LOAD filter bags Extended-life pleated material increases dirt-holding capacity and lasts up to ten times longer than standard needle-felt filter bags.



HAYFLOW filter elements Combines the best of filter bags and filter cartridges in one element.



HAYFLOW Q filter elements High capacity extended-life needle felt with ultrafine nylon mesh cover laver with absolute efficiency.



DURAGAF filter bags

Extended-life material results in fewer filter bag change-outs, improves operating efficiencies and reduces operating costs.



CLEARGAF filter bags Meets EC and FDA requirements for pharmaceutical, food and beverage industries.



SENTINEL filter bags Fully-welded construction for high efficiency and bypass-free filtration.



SNAP-RING filter bags Sewn construction in needle felt monofilament and multifilament material.

Multifilament filter bags

SNAP-RING multifilament filter bags.

Affordable and reliable sewn



ABSORPTION INSERT filter elements

The ultimate solution for increased dirt and oil removal capacity.



UNIBAG filter bags High performance, fully-welded construction using environmentallyfriendly materials without optical white additives or bleaching agents.



Monofilament filter bags Different materials of SENTINEL and SNAP-RING monofilament filter bags cover many applications with chemical and thermal properties.



BANDSEAL filter bags Tie-on filter bags for filtration without a bag filter housing.

Technical Data

	Ranges	Codes								A	vailab	le gra	ides				
	PROGAF	PGF	50,	51 o	r 55												
	ACCUGAF	AGF	51,	53, 5	5, 57	or 5	9										
	ALLUGAF	AGFE	51,	55 o	r 57												
	ABP	ABP	1, !	5, 10	or 25												
		LCR	123	3, 124	l, 125	, 126	, 128,	129,	130 c	or 135							
	LOFCLEAR	LCR	522	2, 525	5, 527	or 5	29										
		1	Available grades														
	Ranges	Codes	1	5	10	25	50	80	100	125	150	200	250	300	400	600	800
		POXL															
	MAX-LOAD	PEXL															
		POXL															
	HAYFLOW	PEXL															
		LCR	128	3													
	HAYFLOW Q	POXL															
		PEXL					•										
		POXL			•												
	DURAGAF	PEXL															
		POF															
		POXLF															
	CLEARGAF	PEF															
		PEXLF															
		NMOF															
	SENTINEL	PO									_		_				
		PE	-			-						-					
		PO															
		PO															
		PE	-		-	-						-					
	SNAP-RING	PE	-		-		-										
		NY	-		-		-					-					
		PT	-		-	-	-		-								
		НТ	-		-												
		POU	-														
	UNIBAG	PEU	-			-	-		-		-						
		NMO	_		-				-								
		NMO				-	-		-	-	-				-		-
	Monofilament	PMO			-	-	-	-	-	-	-	-	-	-	-		-
	wononament	PEMO							-		-	-			-		
		PEEKMO										-	-		-		
	Multifilament	PEMU							-		-	-	-		-		-
	Mutumanient					-	-		÷				-		-		-
	BANDSEAL	NM0 NM0				-	-		-	-		-	-		-		-
						-	-	-	-	-	-	-	-	-	-	-	

Chart abbreviations: PET: polyethylene terephthalate, PP: polypropylene, MA: Meta-Aramid, Melt: melt-blown, W: welded seams, S: sewn seams. **Ring abbreviations**: E: polypropylene/SENTINEL seal ring, H: polyester/SENTINEL seal ring, Z: Santoprene™/SENTINEL seal ring, S: zinc-plated steel SNAP-RING, A: Stainless steel SNAP-RING, R: without seal ring, UE: welded polypropylene seal ring, UK: welded polyester seal ring

Maximum flow rates for most filter bag ranges are as shown below with the following exceptions: 1. POXL, PEXL, POXLF and PEXLF filter bags, size 01: 15 m³/h and size 02: 30 m³/h, 2. AGF, AGFE and LCR 100 filter bags, size 01: 8 m³/h and size 02: 15 m³/h. 3. LCR 500 filter bags, size 02: 12 m³/h. 4. PGF filter bags, size 02: 10 m³/h

Filter specifications											
N Size	/lax. flow rat GPM (m³/h)	e Filter area ft²(m²)	Volume gal (I)	Diameter in (mm)	Length in (mm)						
01	90 (20)	2.6 (0.24)	2.0 (7.6)	7 (180)	17 (430)						
02	180 (40)	5.2 (0.48)	4.5 (17)	7 (180)	32 (810)						
03	26 (6)	0.9 (0.08)	0.5 (1.9)	4 (100)	9 (230)						
04	53 (12)	1.7 (0.16)	0.7 (2.7)	4 (100)	15 (380)						
43	26 (6)	1.0 (0.09)	0.8 (3.0)	3.5 (89)	12 (300)						
45	53 (12)	1.6 (0.15)	1.2 (4.5)	3.5 (89)	20 (500)						

Needle felt nyl Needle felt me Multifilament Monofilament Monofilament Needle felt PTF Monofilament I

Needle felt poly

Needle felt nol

Santoprene[™] is a registered trademark of Exxon Mobile Corporation

	Sizes	Seal rings	Welded or sewn ring/side/bottom	Materials	Media types	Surface finish	Max.oper. temp.°F (°C
	02	E	W/W/W	PP	Melt		194 (90)
	01, 02	E	W/W/W	PP	Melt		194 (90)
	01, 02	Н	W / S / S	PET	Melt		302 (150)
	03, 04	E	W/W/W	PP	Melt		194 (90)
	01, 02	E	W / S / S	PP	Melt		194 (90)
	02	Z	W/W/W	PP	Melt		194 (90)
0 1000	Sizes	Seal rings	Welded or sewn ring/side/bottom	Materials	Media types	Surface finish	Max. oper. temp.°F (°C
	01, 02	E	W/W/W	PP	Felt	Glazed	194 (90)
	01, 02	Н	W/W/W	PET	Felt	Glazed	275 (135)
	02	E	W/W/W	PP	Felt	Glazed	194 (90)
	02	Н	W/W/W	PET	Felt	Glazed	302 (150)
	02	E	W / S / W	PP	Melt		194 (90)
	02	E	W/W/W	PP	Felt	Glazed	194 (90)
	02	Н	W/W/W	PET	Felt	Glazed	302 (150)
	01, 02	E	W/W/W	PP	Felt	Glazed	194 (90)
	01, 02	Н	W/W/W	PET	Felt	Glazed	302 (150)
	01, 02	E	W/W/W	PP	Felt	Singed	194 (90)
	01, 02	E	W/W/W	PP	Felt	Glazed	194 (90)
	01, 02	Н	W/W/W	PET	Felt	Singed	284 (140)
	01, 02	Н	W/W/W	PET	Felt	Glazed	284 (140)
	01, 02	Н	W / S / S	Nylon	Mesh		284 (140)
	01, 02, 03, 04	E	W/W/W	PP	Felt	Singed	194 (90)
	01, 02, 03, 04	Н	W/W/W	PET	Felt	Singed	302 (150)
	01, 02	S	S / W / S	PP	Felt	Singed	230 (110)
	03, 04	S	S / S / S	PP	Felt	Singed	230 (110)
	01, 02	S	S / W / S	PET	Felt	Singed	374 (190)
	03, 04	S	S / S / S	PET	Felt	Singed	374 (190)
	01, 02, 03, 04	S	S / S / S	Nylon	Felt		374 (190)
	01, 02	А	S / S / S	PTFE	Felt		500 (260)
	01, 02	А	S / S / S	MA	Felt	Singed	401 (205)
	01, 02	UE	W/W/W	PP	Felt		374 (190)
	01, 02	UK	W/W/W	PET	Felt		536 (280)
	01, 02, 03, 04	S	S / S / S	Nylon	Mesh		374 (190)
	01, 02, 03, 04	Z	S / S / S	Nylon	Mesh		257 (125)
	01, 02	А	S / S / S	PP	Mesh		230 (110)
	01, 02	S	S / S / S	PET	Mesh		374 (190)
	01, 02	Α	S / S / S	PEEK	Mesh		464 (240)
	01, 02	S	S / S / S	PET	Mesh		293 (145)
	01		S / S / S	Nylon	Mesh		374 (190)
	43, 45	R	S / S / S	Nylon	Mesh		374 (190)

Chemical resistance of filter bags

	Codes	Aqueous media		Aromatic solvents	Alkaline media	Strongly alkaline	Acid media	Strongly acidic	
lypropylene	PO/POXL/POF/POXLF	•	•		•		•	•	
lyester	PE/PEXL/PEF/PEXFL								
lon	NY								
eta-Aramid	HT								
polyester	PEMU	•		•	•		•		
polypropylene	PMO								
nylon	NMO	•		•	•				
ΤE	PT								
PEEK	PEEKMO				•		•		

Applications

Automotive Filtration of pretreatment bath, filtration of e-coat, top coat and clear coat, primer, paint ring line filters, parts cleaning fluids, drawing compounds, lubricants, metal working fluids and pump intake filters.

Chemical Catalyst recovery, removal of pipe scale, polishing of aqueous process fluids, alkalis, acids and solvents, filtration of emulsions and dispersions, gel removal from resins. Activated carbon or catalyst removal in the fine chemicals industry is a typical example of a processing, milk processing and demanding application in chemical processing. Eaton filter bags conform to FDA and EC bags meet the requirements for high-efficiency, yet also offer long service life and reliability.

Electronics Wafer and chip

processing, electronic etching

baths, photo-chemical polishing, and high- purity water filtration and pre-filtration of various membrane filtration processes to improve their cost-effectiveness. Eaton filter bags demonstrate the required purity, efficiency and consistent performance.

Food and beverage Filtration of wine, spirits and beer, removal of particles from edible oils, removal of carbon black from cellulose, slime removal in gelatin, liquid sugar, thick juice, corn syrup polishing, starch soft drinks. Many Eaton filter food processing standards and can meet the unique and varied demands of these applications.

Metal working Filtration of hydraulic oil, pre-treatment

system filtration, precious metal purification and removal, filtrarecovery, metal working fluids and drawing compounds. Parts cleaning machines use our filter bags for minimizing residual dirt on parts.

Paint and lacquer Removal of agglomerates, removal of paint coagulates, solvent filtration, removal of storage contaminants, filling lines, paint mixing lines and monomer purification.

Petrochemicals Filtration of lube oils, fuel additives, enhanced oil recovery, filtration of amine solutions, filtration of glycol fluids, gas purification processes, distillation and cracking processes, amine washers, off-shore filter stations, oil drilling and injection fluids.

used for water treatment, dust Pharmaceutical Recovery of removal from cooling tower expensive active ingredients, installations. catalyst recovery, active carbon

Contaminant particle size Coarse filtration Fine filtrat 10 µm 100 µm 1,000 μm Ranges Monofilament filter bags • SNAP-RING filter bags AD pleated filter bags AYFLOW filter elements URAGAF filter bags LEARGAF filter bags NTINEL filter bags ROGAF filter bags ACCUGAF filter bags ABP filter bags OFCLEAR filter bags INIBAG filter bags Materials ment mesh materials rate, absolute retention rating sion needle felt materials X-LOAD pleated filter bags AYFLOW filter elements AGAF extended-life filter bags EARGAF filter bags INIBAG needle felt filter bags lard needle felt filter bags ion melt-blown materials GAF filter bags CCUGAF filter bags Seal rings BANDSEAL seal ring **SNAP-RING** seal rings ersatile, cost-effectiv Wide range of material NTINEL seal rings The best in the business' essure activated seal ring

Contaminant Spectrum Factors to consider when selecting a filter bag range

herbal mixtures, protein removal from plasma, filtration of saline

tion of gelatin, hormones,

solutions

filtration.

vitamin extracts, polishing of

sand and algae removal from

sea water, ion exchange resin

recovery, calcium deposit

Resins, plastics, inks and coatings Oil and polymer filtra-

tion, dispersions, polymerization batches, resins for can coatings, plastics compounding, printing

ink, plastics processing, paper coatings, high-purity ink-jet fluid

Water treatment Well water

filtration, water treatment plants, silt removal, pipe scale removal,

removal, filtration of chemicals