

CLEARGAF™



CLEARGAF™ Filter Bags Fully Compliant and Approved for Food and Beverage Service

CLEARGAF™ Filter Bag Features Deliver Advanced Benefits

- Compliant materials assure compatibility with all food applications. Sewn bags use special lubricant-free thread
- Independent verification guarantees conformity to EC and FDA requirements
- Low-migration media minimizes substances introduced to fluids
- SENTINEL® Ring Bag Seals eliminate fluid bypass
- All-welded construction eliminates fluid bypass through needle holes on felt and multi-layer filter bags
- Controlled production eliminates contamination from handling and environmental conditions
- Single packaging keeps bags free from contamination during shipping, storage and installation
- Special handling & storage ensures that there is no contamination after packaging

CLEARGAF filter bags are the first and only series of filter bags specifically designed for the requirements of the food, beverage and pharmaceutical industries. Comprised of several filter styles, CLEARGAF is the only filter bag to deliver:

- Fully FDA compliant materials per 21 CFR 177
- Fully EC compliant per 90/128/EEC
- Independent testing and certification
- Special single packaging and warehouse control

CLEARGAF™ Filter Bags for Direct Contact with Foodstuffs

Filter Bags are widely used for the filtration of fluids that are directly or indirectly used as foodstuffs. In most applications, these types of filters must be carefully selected to ensure that foodstuffs are not contaminated from their use. Most materials used to manufacture disposable filters, including bag filters and cartridge filters, are polymers, which are generally selected for their purity in the application. Many of these materials, however, contain materials that can diffuse out of the plastic into the process fluid. This effect, known as migration, can lead to foodstuff contamination. For this reason, the use of polymers is often limited to products such as CLEARGAF Filter Bags, which are made from materials that have been documented as safe in food applications. CLEARGAF Filter Bags conform to both US FDA and European EC regulations. The difference between the

FDA and EC regulations is one of degree. FDA regulation limits on migration are proportional to weight. EC limits, however, are based on area, and must be demonstrated in tests on finished articles. For heavy material, the EC limits can be up to 50 times more restrictive than the FDA ones.

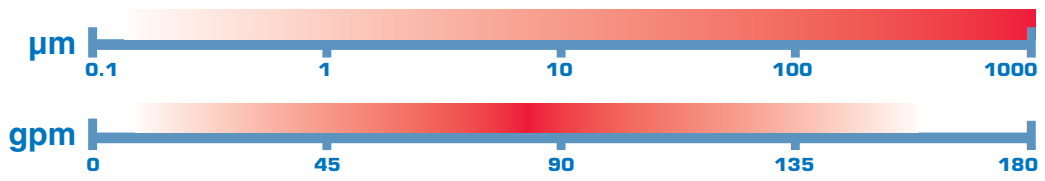
Independent Verification

You can be sure all CLEARGAF Filter Bags meet these requirements, because they have been evaluated, tested and certified for EC migration performance by an independent food research institute. CLEARGAF Filter Bags are also made only from materials listed in the US Code of Federal Regulations Title 21 Part 177. No other materials are added during fabrication.

Special Manufacturing and Packaging

CLEARGAF Filter Bags are manufactured under special conditions to ensure that they contain no contamination. Immediately after manufacture, each bag is individually sealed in protective plastic packaging to keep them contamination-free. Eaton has special warehousing facilities for CLEARGAF Filter Bags to further protect them during storage. No other manufacturer goes to these lengths to ensure the quality of their food grade filter bags. For less demanding food and beverage applications, Eaton offers a line of cost effective filter bags that are appropriate for many applications.

ABSOLUTE/ NOMINAL



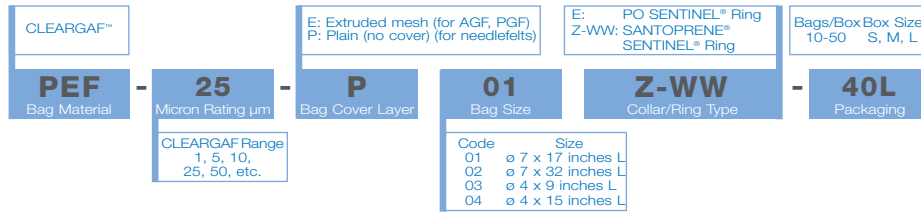
Selection Chart

	Max.Temp (°F)	Sizes				Available Grades											Ring Style			
		01	02	03	04	1	5	10	25	50	80	100	150	200	250	400		600	800	
PEF	285	█	█			█	█	█	█	█										Z
PEXLF	285	█	█			█	█	█	█	█										Z
POF*	195	█	█			█	█	█	█	█		█								E
POXLF*	195	█	█			█	█	█	█	█										E
NMOF	285	█	█	█	█						█	█	█	█	█	█	█	█	█	Z
AGF*	195	█	█																51 - 53 - 55 - 57 - 59	E
PGF*	195	█	█																50 - 51 - 55 - 57	E

*Products subject to MPQ in Europe applications. See Technical Bulletin TB990801 for full details.

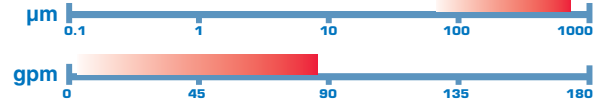
PRODUCT CODES

PEF: polyester needlefelt
 PEXLF: extended life polyester needlefelt
 POF: polypropylene needlefelt
 POXLF: extended life polypropylene needlefelt
 NMOF: nylon monofilament
 AGF: polypropylene meltblown
 PGF: polypropylene meltblown



BANDSEAL™

NOMINAL



For simple, minimal-pressure non-critical open filtration applications (that is, filtration without a vessel), a BANDSEAL Filter Bag offers many cost-effective

choices. These filter bags are available with a drawstring that permits them to be installed directly on the end of a pipe, without the need of an adapter.



PRODUCT CODES

