

# LOFCLEAR™

## Cost Effective Filter Bags for Absolute Filtration Applications

LOFCLEAR filter bags now make absolute filtration viable in many applications where only standard bags could be used due to cost constraints. Made from 100% pure polypropylene materials compliant with food requirements, LOFCLEAR filter bags contain no leachables or lubricants such as silicone oils. In addition, their excellent oil adsorbancy makes LOFCLEAR filter bags ideally suited to the oil removal needs of the paint and coatings industries.

### Two Series to Match Filters to Applications

LOFCLEAR filter bags are available in two styles, Series 100 and Series 500. These two styles make it possible to match the requirements of a wide range of applications, depending on the needs for efficiency and long life. The Series 100 filters use a multi-layer construction for applications where high efficiency is of prime importance. The Series 500 filters utilize a patent pending pleated construction to increase surface area for applications requiring high dirt capacities and long life.

### Perfect for Removal of Gelatinous Materials

LOFCLEAR filter bags have proven to be highly effective in the removal of gelatinous contaminants. The combination of deep microfiber filtration media breaks up gels and



retains them within the media depth. These features prevent surface blockage and breakthrough typical of standard filter bag materials.

### LOFCLEAR™ Series 100 Filter Bags

LOFCLEAR Series 100 Filter Bags feature a proven three-layer construction with a sewn filter welded to the SENTINEL® seal. They feature efficiencies >99% over a wide range of particle sizes, with dirt capacities up to 1/2 pound. The seven models feature:

- Polypropylene prefilter
- Meltblown polypropylene microfiber final filter
- Polypropylene outer migration barrier

LOFCLEAR Series 100 filter bags are an excellent choice for application such as high-purity fluids with low particulate concentration, first-pass guard filtration, oil adsorption and activated carbon removal.

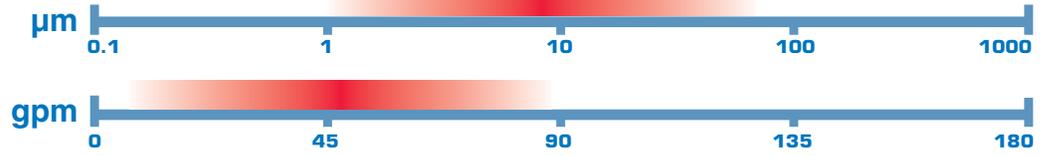
The LOFCLEAR 128 and 129 were especially developed for the filtration of electro-coatings in the automotive industry. The filtration design allows pigments to pass through the filtration layers, while retaining impurities and removing silicones and other crater-forming substances. The LOFCLEAR 130 filter bag adds extra adsorption capacity for retaining high amounts of oils or other crater-forming substances. The LOFCLEAR 135 delivers high removal of particulate and oils for clearcoat applications where pigment removal is not an issue.

### LOFCLEAR™ Filter Bag Filtration Ratings

Filter Model	Particle Size at Common Removal Efficiencies (µm)				ΔP (psi) Size 02 @ 45 gpm
	>60%	>90%	>95%	>99%	
113/123	0.5	1	2	4	0.36
114/124	0.75	2	3	5	0.30
115/125	1.5	3.5	8	10	0.15
116/126	2	6	13	15	<0.15
118/128	25	35	37	40	<0.15
119/129	15	25	27	30	<0.15
130	6	14	15	20	0.72
135	1	6	8	10	0.29
522	0.5	1	1.5	2.6	1.45
525	1	2	3.5	6	0.26
527	2	5	9	13	0.15
529	10	20	23	32	<0.15

Filtration efficiency confirmed by independent test laboratory.

# ABSOLUTE



## LOFCLEAR™ Series 500 Filter Bags

LOFCLEAR Series 500 Filter Bags have an all-welded multi-pleated construction for high efficiency and long life. This series of bags has a pleated prefiltration layer and a complex design of final filtration layers, allowing the removal of difficult-to-filter gels and deformable particles with a high capacity of solids loading. The outer web covering eliminates any downstream fiber migration.

LOFCLEAR Series 500 Filter Bags are available in four different efficiency ratings so you can choose your exact required filtration efficiency. LOFCLEAR Filter Bags have filtration efficiencies from 95 to 99%, with a dirt-holding capacity of over 2 pounds.



A pleated prefilter provides a very large surface (about 32 sq ft) to collect gels and solids before it reaches the final filter layers.

Among the many applications for LOFCLEAR Series 500 Filter Bags are oils, slurries, dilute oil removal, re-circulating batch systems, and systems with heavy contamination.

### Operational Considerations

LOFCLEAR Series 500 Filter Bags must be used with an Eaton bag positioner. This eases insertion and assures

correct alignment of the filter bag inside the restrainer basket. In addition, the positioner protects the filter bag from potential damage that could be caused by inadvertent back-flow.

## PRODUCT CODES 100 series



## PRODUCT CODES 500 series

