DYNA-CLEAR™ M

High Performance Mesh Filter Bags

Description

DYNA-CLEAR M Series high performance liquid filter bags provide efficient and reliable filtration of fluids in a wide variety of applications. DYNA-CLEAR M filter bags are constructed with a proprietary range of woven filter media in two fiber grades: multifilament bags and monofilament bags.

DYNA-CLEAR multifilament bags are manufactured from fiber strands consisting of thousands of micro-denier interwoven fibers. The strands are woven in a specific pattern to create a very uniform pore structure across the filter bag. The result is an economical filter bag that provides consistent filtration performance.

Monofilament filter bags provide an exceptional degree of uniformity and mechanical strength. The filter media is manufactured into a mesh in which each strand is a single fiber. The fibers are woven into a precise pattern and thermally bonded to enhance mechanical strength. As a result of their construction, DYNA-CLEAR M series filter bags are ideally suited for filtration applications that require sharp particle cut-offs for the sieving or classification of hard particles.

DYNA-CLEAR Series filter bags are available in a wide range of sizes and sealing configurations to fit most bag filter housings.

Benefits

- **Uniform filter media provide very consistent performance and high solids loading capacity.**
- **Multifilament mesh bags offer low cost, disposable filtration with woven media.**
- **Monofilament mesh bags provide precise filtration and exceptional strength. Fibers will not shift or deform under pressure or in use with viscous fluids.**
- **High flow rates at low pressure drops with high solids loading capacity.**
- **Retention ratings available from 5 to 800 µm.**
- **Polyester, Nylon or Polypropylene filter media offered for use in a wide array of chemicals and operating temperatures.**
- **Bag sizes and sealing configurations available to fit most industry standard bag housings. Injection molded polypropylene flange with handles are standard on mesh bags.**

Applications

- Automotive Adhesives and Coatings
- Food and Beverage Applications
- Paints, Inks, Dyes and Coatings
- Dilute Acids and Alkalis Bases
- Municipal and Potable Water Systems
- Metal Finish/Plating Solutions
- Pre-Polymer Filtration
- Pulp and Paper
- Vegetable and Animal Oils
- Cutting Fluids and Coolants
- Chemicals, Resins, and Solvents

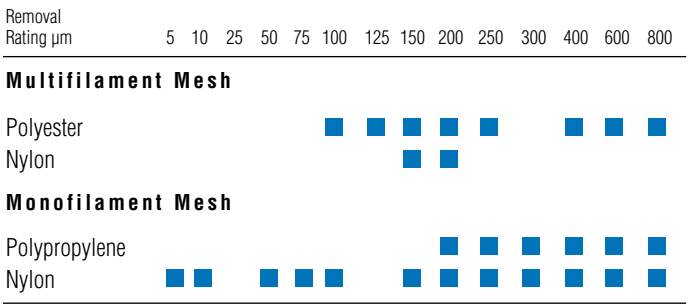
PUROLATOR
ADVANCED FILTRATION

Materials of Construction

Filter Media Options:

Multifilament:	Polyester or Nylon
Monofilament:	Polypropylene or Nylon
Rings:	Steel, 304 Stainless Steel, Polypropylene
Finish Option:	Binding (recommended for the more open grades)

Performance Specifications



Filter Bag Sizes & Dimensions

(STANDARD)

BAG SIZES	DIAMETER (in.)	LENGTH (in.)	AREA (sq. ft.)	FOR HOUSINGS MADE BY[1]
1	7.06	16.5	2.3	FSI, A, F, G, R, U
2	7.06	32.0	4.7	FSI, A, F, G, R, U
3	4.13	8.00	0.70	FSI, A, G, R
4	4.13	14.0	1.2	FSI, A, G, R
5	4.13	24	2.1	U
7	5.5	15	1.3	R
8	5.5	21	2.0	R
9	5.5	32	3.3	R
PC1	9.00	20.0	2.5	C
PC2	9.00	30.0	5.0	C
RP1	8.00	30.0	3.5	RP
RP2	8.00	40.0	5.0	RP

[1] Manufacturers Abbreviations: FSI: Filter Specialists; C: Cuno; G: GAF; A: American Felt & Filter; RP: Ronningen Petter; R: Rosedale; F: Filtration Systems; U: UF Stainrite

Temperature/Chemical Compatibility Guide

Material	Maximum Temperature	Aqueous Solutions	Organic Solvents	Alkalis	Strong Alkalis	Weak Acids	Strong Acids	Animal & Vegetable Oils
Polypropylene	200˚ F (94˚ C)	Excellent	Excellent	Excellent	Fair	Excellent	Good	Excellent
Polyester	275˚ F (135˚ C)	Excellent	Excellent	Good	Poor	Good	Good	Excellent
Nylon	275˚ F (135˚ C)	Excellent	Excellent	Good	Poor	Poor	Poor	Excellent

This chart provides general guidelines. Specific process conditions may influence performance. Testing is always recommended.

Ordering Information

Media	Removal Rating[1]	Finishes	Bag Sizes	Bag Design	Custom Features
PMO	5	P	2	PF	XXX
PEM = Polyester Multifilament NM = Nylon Multifilament PMO = Polypropylene Monofilament NMO = Nylon Monofilament	5, 10, 25, 50, 75, 100, 150, 200, 250, 300, 400, 600, 800 µm	P = Plain B = Binding	1, 2, 3, 4, 5, 7, 8, 9, PC1, PC2 RP1, RP2	PF = Poly Flange S = Steel Ring SS = 304 Stainless Steel Ring T = Plastic Ring D = Internal Drawstring N = No Sealing Mechanism DS = External Drawstring R = Reverse Seam	Numbering System for Customer Specifications

Notes:
[1] Check Performance Specifications to determine which removal rating grades are available for each material

Purolator Advanced Filtration Group, Inc.
8439 Triad Drive
Greensboro, NC 27409

Phone: 336-668-4444
Toll Free: 800-852-4449
Fax: 336-668-4452
E-mail: info@purolator-facet.com

PUROLATOR ADVANCED FILTRATION

 Printed in the USA PAFG-G 002 11/03

a CLARCOR company