

# Dyna-Clear™ M

## High Performance Mesh Bags

Dyna-Clear M Series high performance mesh 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 and monofilament. 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 filter bags are ideally suited for filtration applications that require sharp particle cut-offs for the sieving or classification of hard particles. Dyna-Clear M filter bags are available in a wide range of sizes and sealing configurations to fit most bag filter vessels.



## SPECIFICATIONS

### MATERIALS

- **MEDIA** polyester, polypropylene or nylon
- **RINGS** polypropylene, carbon steel or stainless steel
- **OPTIONS** multifilament or monofilament, finishes, sewn or welded

### OPERATING DATA

Media	Max Temp. [F]	Max D.P. <sup>1</sup> [psid]
Polypropylene	200	35
Polyester	275	35
Nylon	300	35

- Recommended change-out DP is 15 psid
- Normal flow direction is inside to outside

### NOMINAL DIMENSIONS

Bag Sizes	Diameter [in.]	Length [in.]	Area [sq. ft.]	For Housings Made by
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

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

### THE BOTTOM LINE

- **Sharp Particle Cut-off**  
In processes that require particles of a certain size to be removed with precision an ordinary bag won't do. The woven media that is used in the Dyna-Clear M forms a precise sieve assuring that your products and process streams are on spec. Expect less waste product and downtime associated with inconsistencies in filter performance.
- **High Performance**  
What do we mean by "High Performance"? Expect longer service life and less energy consumption without compromising filter efficiency. Save on power, waste disposal, and maintenance expenses when you install Dyna-Clear M bags in your applications.
- **Consistent Filtration**  
The media in many bag filters is prone to deformation and shifting under stress. This causes inconsistencies in post-filter impurity levels. Dyna-Clear M bags yield remarkably consistent filtration. Reduce product and process variability. Install Dyna Clear M bags today.
- **A Single Bag for All Your Applications**  
Choose a single product series that meets all your application needs. Dyna-Clear M bags are available in grades from 5 - 800 micron and offer configurations that easily fit most commercially available vessels.

### 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



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### PERFORMANCE

Removal Rating  $\mu\text{m}$  5 10 25 50 75 100 125 150 200 250 300 400 600 800

#### Multifilament Mesh

Polyester																			
Nylon																			

#### Monofilament Mesh

Polypropylene																			
Nylon																			

#### Chemical Compatibility Guide

Material	Aqueous Solutions	Organic Solvents	Alkalis	Strong Alkalis	Weak Acids	Strong Acids	Animal & Vegetable Oils
<b>Polypropylene</b>	Excellent	Excellent	Excellent	Fair	Excellent	Good	Excellent
<b>Polyester</b>	Excellent	Excellent	Good	Poor	Good	Good	Excellent
<b>Nylon</b>	Excellent	Excellent	Good	Poor	Poor	Poor	Excellent

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

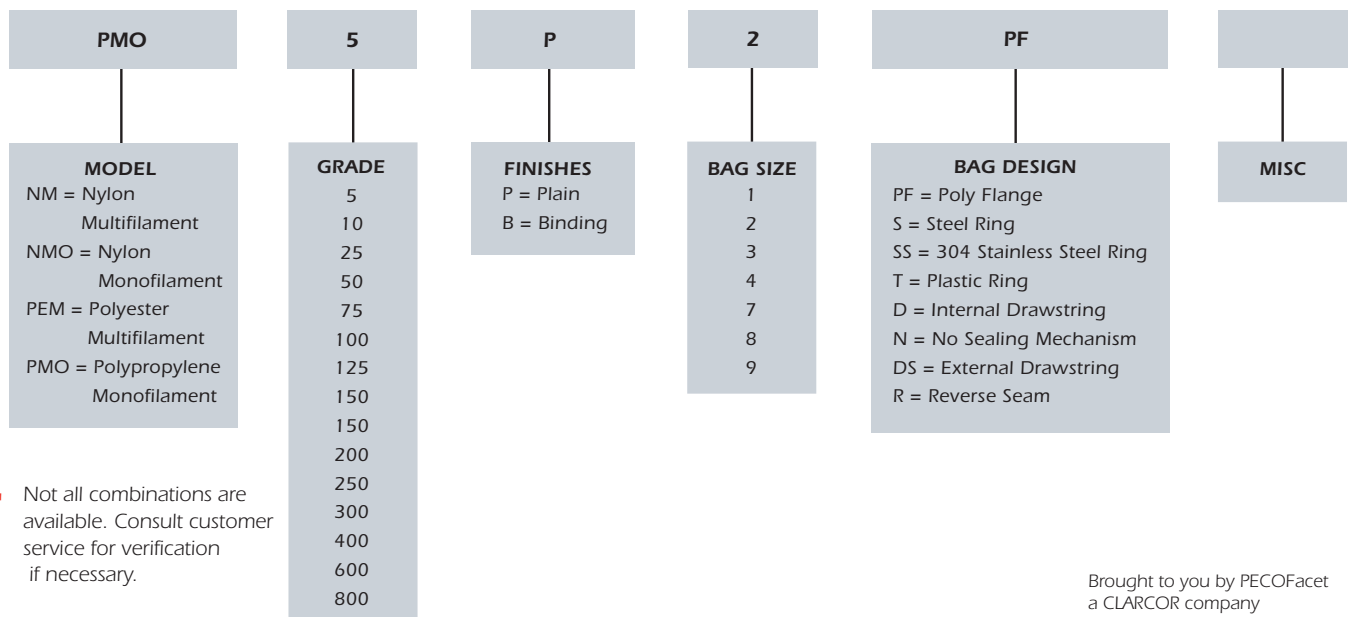
### REPLACEMENT OPTION FOR

- American Felt & Filter
- Cuno
- Filter Specialists, Inc
- Filter Systems
- GAF
- Knight Filters
- Ronningen Petter
- Rosedale
- UF Strainrite
- Others

### NOTES

1. Max. D.P. may be limited by the vessel manufacturer's design.

### ORDERING INFORMATION



- Not all combinations are available. Consult customer service for verification if necessary.



Wolters Industrial Park / P.O. Box 640 / Mineral Wells, TX 76068  
 Phone 940.325.2575 / Fax 940.325.4622 / perryequipment.com  
 Email PECOElements@PECOFacet.com

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