

Dyna-Clear™ F

High Capacity Felt Bags

Dyna-Clear F series high capacity filter bags provide consistent filtration of fluids in a wide variety of applications. The random interlocking of micro-denier felt fibers provides efficient depth filtration at increased flow rates. Dyna-Clear F filter bags are best utilized in process streams with contaminants of a broad particle size distribution or where gels are present. Rigid internal quality control standards help to assure consistent and repeatable filtration performance over time. Dyna-Clear F series filter bags are available in four different materials of construction providing excellent compatibility with a wide range of process fluids. Optional surface treatments are offered to reduce fiber migration and enhance filtration performance. An all thermally welded polypropylene felt bag is available for higher purity applications. Dyna-Clear series filter bags are manufactured in a wide range of sizes and configurations to fit most bag filter vessels.



THE BOTTOM LINE

- Consistent Filtration Across a Broad Range of Particles**
 The Dyna-Clear F depth media provides consistent filtration performance on a broad array of contaminants from rigid particles with broad particle size distributions to semi-solids and shear sensitive particles. Sheer surface barriers like that found in many other bags blind off or allow a high percentage of these contaminants to migrate through. Eliminate frequent bag change-outs due to media blinding and stop contaminating your process with contaminants that make it through other bags. Install Dyna-Clear F bags today.
- A Single Bag for All Your Applications**
 Choose a single product series that meets all your application needs. Dyna-Clear F bags are available in grades from 1 - 200 micron and offer configurations that easily fit most commercially available vessels.

APPLICATIONS

- General Industrial**
 Paints, Inks, Dyes and Coatings
 Dilute Acids and Alkalies
 Municipal & Waste Water Systems
 Metal Finish/Plating Solutions
 Pre-Polymer Filtration
 Pulp and Paper
 Cutting Fluids and Coolants

SPECIFICATIONS

MATERIALS

- MEDIA** polyester, polypropylene or Nomex®
- RINGS** polypropylene, carbon steel or stainless steel
- OPTIONS** welded, cover, drawstring, flange

OPERATING DATA

Media	Max Temp. [F]	Max D.P. ¹ [psid]
Polypropylene	200	35
Polyester	275	35
Nomex®	425	35

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

NOMINAL DIMENSIONS

Bag Sizes	Diameter [in.]	Length [in.]	Surface Area [ft. ²]	For Vessels 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
PCI	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

PERFORMANCE

Removal Rating [μm] 1 3 5 10 15 25 50 75 100 200

Polyester	■	■	■	■	■	■	■	■	■	■
Polypropylene	■	■	■	■		■	■		■	
Nomex	■		■	■	■	■		■	■	

Chemical Compatibility Guide

Material	Aqueous Solutions	Organic Solvents	Alkalis	Strong Alkalis	Weak Acids	Strong Acids	Animal & Vegetable Oils
Polypropylene	Excellent	Excellent	Excellent	Fair	Excellent	Good	Excellent
Polyester	Excellent	Excellent	Good	Poor	Good	Good	Excellent
Nomex®	Excellent	Excellent	Good	Poor	Fair	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.
2. Nomex is a registered trademark of E.I. duPont de Nemours and Company.

ORDERING INFORMATION

PO	5	G	2	PF	H
MODEL A = Aramid Felt (Nomex®) PE = Polyester Felt PO = Polypropylene Felt WPE = Welded Polyester Felt WPO = Welded Polypropylene Felt	GRADE [μm] 1 3 5 10 25 50 75 100 200	FINISHES G = Glazed (for polypro) S = Singed (for polyester & nomex)	BAG SIZE 1 2 3 4 7 8 9 PC1 PC2 RP1 RP2	BAG DESIGN PF = Polypro Flange S = Steel Ring SS = 304 Stainless Steel Ring T = Polypro Ring N = No Sealing Mechanism (No Ring) DS = Drawstring	MISC H = Handle (applies to ring & flange) NH = No Handle (applies to ring & flange) SB = Spun Bonded Nylon Cover NM = Nylon Multifilament Mesh 150um cover R = Reverse Seam (Auto Seam)

- Not all combinations are available. Consult customer service for verification if necessary.
- Nomex felt comes standard with singed finish
- Polyester felt comes standard with singed finish
- Polypropylene felt comes standard with glazed finish
- Ring & Flange design comes standard with Handle; option for no handle is available

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