

DYNA-CLEAR™ F

High Capacity Felt Liquid Filter Bags



Description

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. Various 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 housings.

Benefits

- High flow rates at low pressure drops.
- High contaminant holding capacity.
- Nominal retention ratings from 1 to 200 µm.
- Polyester, Nylon, Polypropylene, or Nomex® 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.
- Thermally welded polypropylene version for high purity applications.
- Steel and plastic snap ring or polypropylene flange sealing mechanisms available. Lifting handles are installed on all bags as standard.
- All bags manufactured with silicone free media, equipment, and assembly components.

Applications

- Paints, Inks, Dyes, and Coatings
- Metal Finish / Plating Solutions
- Animal & Vegetable Oils
- RO & Process Water
- Dilute Acids and Alkalis
- Municipal & Waste Water Systems
- Pre-Polymer Filtration
- Pulp and Paper
- Cutting Fluids & Coolants

Performance Specifications

Micron Ratings: 1, 3, 5, 10, 25, 50, 75, 100, 200 µm

Materials of Construction

Filter Media Options: Polyester, Polypropylene, Nylon, or Nomex® (Aramid)

Rings: Carbon Steel, 304 Stainless Steel, Polypropylene

Construction

Sewn: Polyester, Polypropylene, Nylon or Nomex® (Aramid)

All Welded Option: Polypropylene

Rings: Carbon Steel, 304 Stainless Steel, Polypropylene

Finish Options

Plain: Standard

Glazed: Polyester, Polypropylene, Nylon

Spun Bonded Cover: Polyester, Polypropylene, Nylon

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 A: American Felt & Filter R: Rosedale
C: Cuno RP: Ronningen Pelter F: Filtration Systems
G: GAF U: UF Stainrite

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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
Aramid	400° F (204° C)	Excellent	Excellent	Good	Poor	Fair	Poor	Excellent

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

Ordering Information

Construction	Media ⁽¹⁾	Removal Rating	Finishes	Bag Sizes	Bag Design
No Symbol = Sewn W = Welded ⁽²⁾	PO = Polypropylene Felt PE = Polyester Felt N = Nylon Felt A = Aramid Felt (Nomex®)	5 1, 3, 5, 10, 25, 50, 75, 100, 150, 200 µm	P = Plain G = Glazed SB = Spun Bonded Cover	2 1, 2, 3, 4, 5, 7, 8, 9 PC1, PC2 RP1, RP2	PF 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

Notes:
1) Call for Aramid availability and options
2) Welded bags available in polypropylene only

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