

STANDARD FELT LIQUID FILTER BAGS

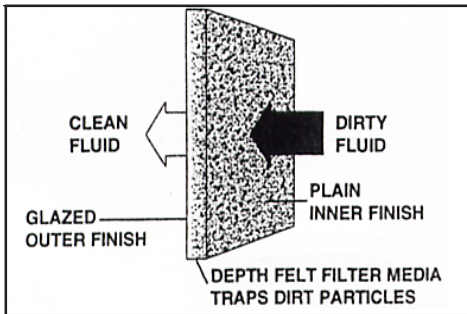
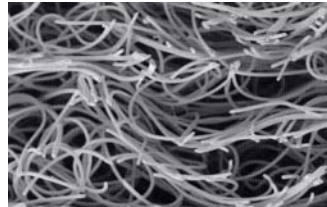
FELT BAGS STANDARD

FELT FILTER BAGS

- Micron ratings from 1 to 200
- 7 industry standard sizes
- Good chemical compatibility
- High flow - low pressure drop media
- Sewn or welded construction
- Handles on all bags
- Special features & materials available
- Choice of metal ring tops or molded Super Seal tops

FELT MATERIALS

Felt filter bag materials are made from synthetic fibers in polypropylene or polyester. The proper combination of fiber diameters, weights and thickness results in an economical depth type filter media. Polypropylene & polyester bags are supplied with a glazed finish to reduce fiber migration.



Advantages of Felt Filter Media

- High dirt holding capacity
- Ability to remove both solid and gelatinous particles
- Low cost
- Glazed finish on polyester & polypropylene reduces fiber migration



STYLES

Standard felt bags are manufactured from a single layer of needle punched felt.

Standard ring bags have a galvanized steel ring (stainless steel optional) sewn in the top of the bag. They are supplied with sewn seams standard.

Super Seal molded top filter bags have a plastic top welded to a sewn or all welded filter bag.

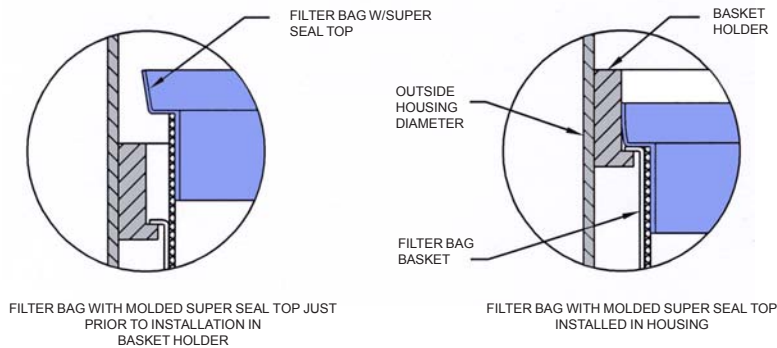
MICRON RATINGS

FELT MATERIALS	MICRON RATINGS						
	1	5	10	25	50	100	200
Polyester	•	•	•	•	•	•	•
Polypropylene	•	•	•	•	•	•	•

WELDED CONSTRUCTION

All welded bags are available in glazed polypropylene and polyester felt for sizes 1 & 2 with Super Seal molded plastic tops.

SUPER SEAL TOPS



Filter bags with molded Super Seal tops require no filter bag hold down devices. As the differential pressure in the application increases, the integrity of the Super Seal improves.

Advantages include:

- There are no needle holes hence efficiencies are increased.
- No sewing thread is used resulting in the elimination of the possibility of silicone contamination due to thread.
- The glazed finish and fused edges of the bags greatly reduce or eliminate fiber migration.

SIZES

Filter Bag Size	Diameter (In.-Approx.)	Length (inches)	Area (ft ²)	Maximum Flow (gpm)
1	7.25	16.5	2.0	80
2	7.25	32	4.5	180
3	4.31	8	0.5	20
4	4.31	14	1.0	40
7	5.63	15	1.5	60
8	5.63	21	2.0	80
9	5.63	32	3.0	120

FIBER COMPATIBILITIES

FIBERS	COMPATIBILITY*					
	Weak Acids	Strong Acids	Weak Alkali	Strong Alkali	Solvents	Temperature °F Max.
Polyester	Very Good	Good	Good	Poor	Good	300°
Polypropylene	Excellent	Excellent	Excellent	Excellent	Fair	200°

* Use chart as a guide only. Chemical compatibility should be checked for specific fluid.

ORDERING INFORMATION

PO 25 | G 2 | POSS - WE

TYPE FIBER

PE = POLYESTER, PO = POLYPROPYLENE

MICRON RATINGS

PE OR PO = 1, 5, 10, 25, 50, 100, 200

BAG FINISH

G = GLAZED FINISH (POLYESTER & POLYPROPYLENE)

BAG SIZE

1, 2, 3, 4, 7, 8, 9

BAG STYLES

S = GALVANIZED CARBON STEEL RINGS

S-SS = STAINLESS STEEL RINGS

POSS = MOLDED SUPER SEAL POLYPROPYLENE TOP (SIZE 1 & 2 ONLY)

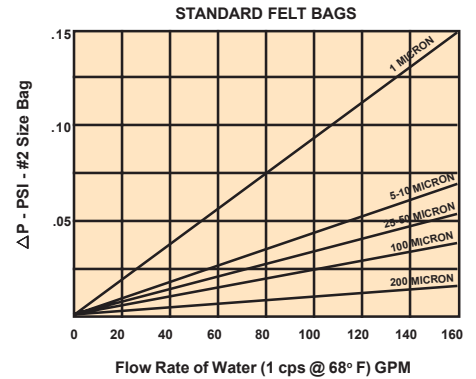
PESS = MOLDED SUPER SEAL POLYESTER TOP (SIZE 1 & 2 ONLY)

OPTIONS

WE = WELDED SEAMS (SIZE 1 & 2 FOR PE & PO ONLY WITH MOLDED SUPER SEAL TOP)

PRESSURE DROP DATA

The graph shows the ΔP produced by a #2 size bag for water, 1 cps @ 68° F. The pressure drop is specific to the type of bag, the micron rating and flow rate for the filter bag only. It does not include the pressure drop caused by the housing & basket.



Bag Size and Viscosity Correction

For other than #2 size bags, multiply ΔP from above table by the bag size correction factor below to calculate ΔP . If viscosity of the liquid is greater than 1 cps (water @ 68° F), multiply the result by the proper viscosity correction factor.

BAG SIZE CORRECTION

Bag Size	Correction Factor
1	2.25
2	1.00
3	9.00
4	4.50
7	3.00
8	2.25
9	1.50

VISCOSITY CORRECTION

Viscosity CPS	Correction Factor
50	4.5
100	8.3
200	16.6
400	27.7
800	50.0
1000	56.2
1500	77.2
2000	113.6
4000	161.0
6000	250.0
8000	325.0
10,000	430.0