

Beafelt - FELT LIQUID FILTER BAGS

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



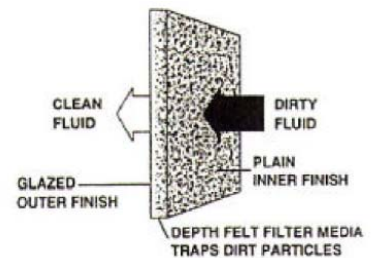
- High dirt holding capacity
- Ability to remove both solid and gelatinous particles
- Low cost
- Glazed finish on polyester & polypropylene reduces fiber migration

STYLES

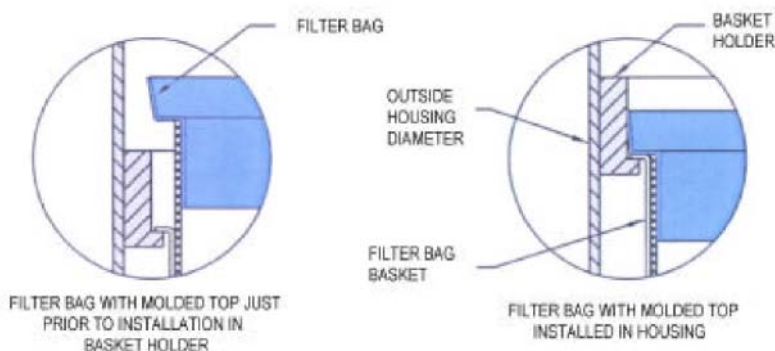
Advantages of Felt Filter Media

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. Molded top filter bags have a plastic top welded to a sewn or all welded filter bag.

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



MOLDED TOPS



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

Advantages include:

- There are no needle holes hence efficiencies are increased.
- No sewing thread is used
- 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	90
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°
Polypropylen	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	POL	-WE
TYPE FIBER						
PE = POLYESTER						
PO = POLYPROPYLENE						
MICRON RATINGS						
PE OR PO = 1, 5, 10, 25, 50, 100, 200						
BAG FINISH						
G = GLAZED FINISH						
P = NONE						
BAG SIZE						
1, 2, 3, 4, 7, 8, 9						
BAG STYLES						
S = GALVANIZED CARBON STEEL RINGS						
S-SS = STAINLESS STEEL RINGS						
POL = MOLDED POLYPROPYLENE TOP (SIZE 1 & 2 ONLY)						
PEL = MOLDED POLYESTER TOP (SIZE 1 & 2 ONLY)						
OPTIONS						
WE = WELDED SEAMS (SIZE 1 & 2 FOR PE & PO ONLY WITH MOLDED TOP)						

PRESSURE DROP DATA

The graph shows the delta P 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. Max. delta P: 1.5 bar.

Bea Technologies reserves the right to alter specifications without prior notice

BAG SIZE AND VISCOSITY CORRECTION

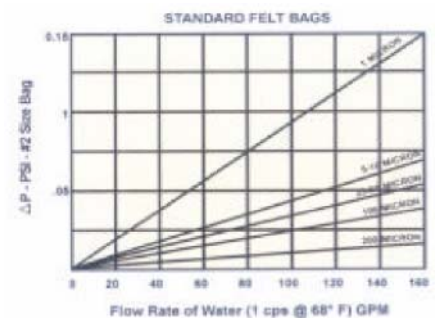
For other than #2 size bags, multiply delta P from above table by the bag size correction factor below to calculate delta P. If viscosity of the liquid is greater than 1 cps (water @ 68° F), multiply the result by the proper viscosity correction factor.

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



Bea Technologies Spa Via Newton, 4 - 20016 Pero (Milano) ITALY
 Tel +39 02 339271 FAX +39 02 3390713 e-mail: info@bea-italy.com
 web: www.bea-italy.com