

STANDARD MESH LIQUID FILTER BAGS

MESH BAGS STANDARD

MONOFILAMENT & MULTIFILAMENT MESH FILTER BAGS

- Micron ratings from 5 to 1000
- 11 industry standard sizes
- High flow - low pressure drop media
- Washable and reusable
- Non-fiber releasing media
- Sewn construction
- Handles on all bags
- Choice of metal ring tops or molded Super Seal tops

MESH BAG MATERIALS



MULTIFILAMENT MESH materials are woven from threads made of small fibers twisted together. Bags made from these materials are low cost and are disposable.



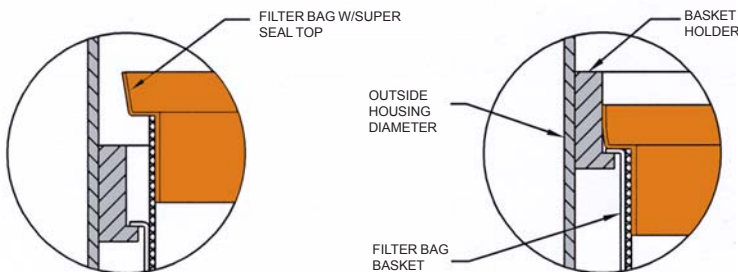
MONOFILAMENT MESH is a woven material. Each thread is a single filament. The openings are square. They have excellent strength and are cleanable.

MICRON RATINGS

MESH MATERIALS	MICRON RATINGS							
	5	10	25	50	75	100	125	150
Nylon Monofilament	•	•	•	•	•	•	•	•
Polyester Multifilament						•	•	•

MESH MATERIALS	MICRON RATINGS							
	200	250	300	400	600	800	1000	
Nylon Monofilament	•	•	•	•	•	•	•	
Polyester Multifilament						•	•	

SUPER SEAL TOPS



FILTER BAG WITH MOLDED SUPER SEAL TOP JUST PRIOR TO INSTALLATION IN BASKET HOLDER

FILTER BAG WITH MOLDED SUPER SEAL TOP INSTALLED IN HOUSING

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.

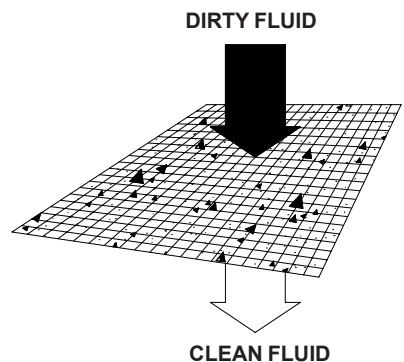


STYLES

Standard mesh bags are manufactured from a single layer of mesh material.

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

Molded Super Seal top filter bags have a plastic top sewn to the filter bag.



Advantages of Mesh Filter Media

- Operates on the principle of surface filtration
- Wide range of micron ratings
- Reusable
- Non-fiber releasing
- Good efficiencies
- Can hold large quantities of contaminants under the right conditions.

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
30				
4	4.31	14	1.0	40
65				
424				
7	5.63	15	1.5	60
8	5.63	21	2.0	80
9	5.63	32	3.0	120
12	8.41	34	5.75	275

FIBER COMPATIBILITIES

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

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

ORDERING INFORMATION

TYPE FIBER

PEM = MESH, POLYESTER MULTIFILAMENT

NMO = MESH, NYLON MONOFILAMENT

MICRON RATINGS

PEM = 100, 125, 150, 200, 250, 300, 400, 600, 800, 1000

NMO = 5, 10, 25, 50, 75, 100, 125, 150, 200, 300, 400, 600, 800, 1000

BAG FINISH

P = PLAIN (STANDARD ON ALL MESH)

BAG SIZE

1, 2, 3, 30, 4, 65, 424, 7, 8, 9, 12

BAG STYLES

S = GALVANIZED CARBON STEEL RINGS

S-SS = STAINLESS STEEL RINGS

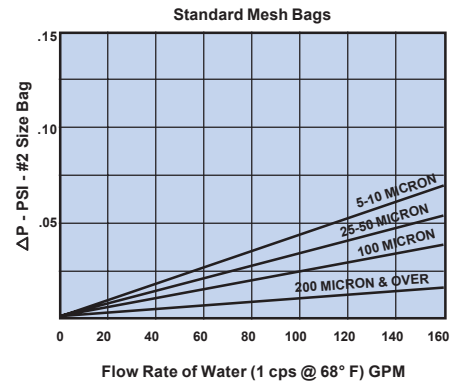
POSS = MOLDED SUPER SEAL POLYPROPYLENE TOP (SIZE 1 & 2 ONLY)

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

NMO | 150 | P | 1 | S

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
30	
4	4.50
65	
424	
7	3.00
8	2.25
9	1.50
12	0.78

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