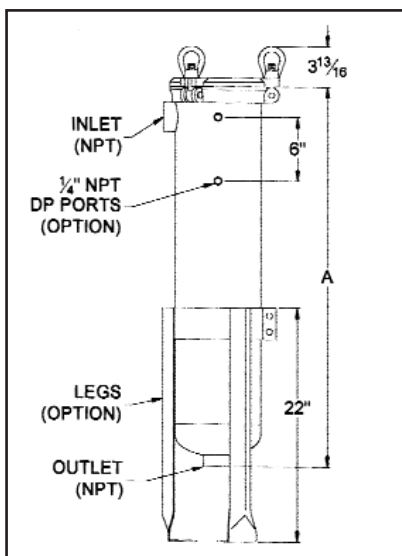


## BAG FILTER HOUSING MODELS

Model No.	No.	Description	Housing Material	Adjustable Legs	Bag Size	Pipe Size
FMBH2-CS	2	Swing-bolt bag filter	Carbon Steel	Carbon Steel	#2	2" NPT
FMBH2-304	2	Swing-bolt bag filter	304SS	Stainless	#2	2" NPT
FMBH2-316	2	Swing-bolt bag filter	316SS	Stainless	#2	2" NPT
FMBH1-CS	1	Swing-bolt bag filter	Carbon Steel	Carbon Steel	#1	2" NPT
FMBH1-304	1	Swing-bolt bag filter	304SS	Stainless	#1	2" NPT
FMBH1-316	1	Swing-bolt bag filter	316SS	Stainless	#1	2" NPT

### Dimensions

Model	Pipe Size	Diameter	Length	Legs	Vent
#1 Bag	2"	8"	21-3/4"	22"	1/4" NPT
#2 Bag	2"	8"	35-3/4"	22"	1/4" NPT



Dimensional Drawing



Felt Filter Bags



Mesh Filter Bag

### #2 felt bags

Part Number	Number	Size	Material	Micron Rating	No./ case
FMPPFB2-1	#2	7" x 32"	PP	1	20
FMPPFB2-5	#2	7" x 32"	PP	5	20
FMPPFB2-10	#2	7" x 32"	PP	10	20
FMPPFB2-25	#2	7" x 32"	PP	25	20
FMPPFB2-50	#2	7" x 32"	PP	50	20
FMPPFB2-100	#2	7" x 32"	PP	100	20

Filter bags made with glazed polypropylene felt with galvanized carbon steel rings.

### #2 mesh bags

Part Number	Number	Size	Material	Micron Rating	No./ case
FMNMOFB2-100	#2	7" x 32"	NMO	100	20
FMNMOFB2-150	#2	7" x 32"	NMO	150	20
FMNMOFB2-250	#2	7" x 32"	NMO	250	20
FMNMOFB2-400	#2	7" x 32"	NMO	400	20

Filter bags made with glazed polypropylene felt with galvanized carbon steel rings.

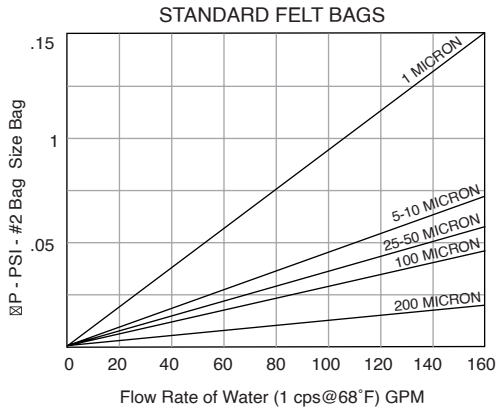
### #1 felt bags

Part Number	Number	Size	Material	Micron Rating	No./ case
FMPPFB1-1	#1	7" x 16"	PP	1	20
FMPPFB1-5	#1	7" x 16"	PP	5	20
FMPPFB1-25	#1	7" x 16"	PP	25	20
FMPPFB1-50	#1	7" x 16"	PP	50	20
FMPPFB1-100	#1	7" x 16"	PP	100	20

Filter bags made with glazed polypropylene felt with galvanized carbon steel rings.

## PRESSURE DROP DATA

The graph shows the  $\Sigma P$  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.



### Bag Size and Viscosity Correction

For other than #2 size bags, multiple  $\Sigma P$  from above table by the bag size correction factor below to calculate  $\Sigma P$ . 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

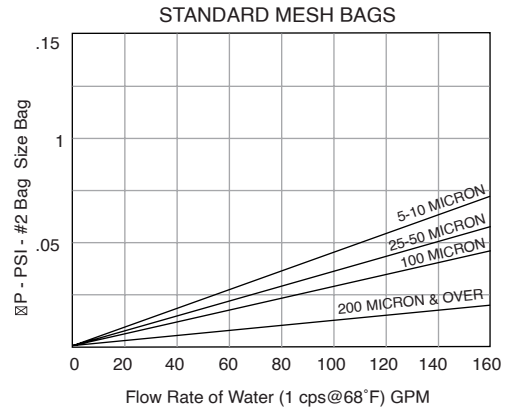
Bag Size	Correction Factor
1	2.25
2	1.00
3	9.00
4	4.50
7	3.00
8	2.25
9	1.50

### 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

## PRESSURE DROP DATA

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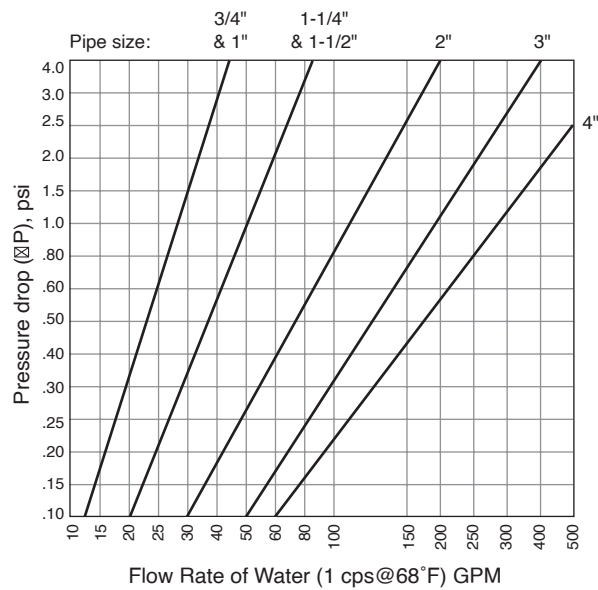
## Filter bag housing spare parts

Part Number	Description	Material
FMBH-ORV	O-ring for bag filter housings	Viton
FMBH-ORB	O-ring for bag filter housings	Buna-N
FMBH-ORE	O-ring for bag filter housings	EPDM
FMBH1-B	Basket for #1 housings	SS304
FMBH2-B	Basket for #1 housings	SS304
FMBH-LCS	Adjustable legs for bag housings	Carbon steel
FMBH-L304	Adjustable legs for bag housings	SS304
FMBH-SBP	Swing bolt	Zinc plated steel
FMBH-EN	Eye nut	Zinc plated steel
FMBH-W	Washer for swing bolt and eye nut	SS304

Note: See separation section listing pressure gauges

### PRESSURE DROP DATA

The graph below gives the clean pressure drop through the housing with a filter bag basket installed without a filter bag.



To correct for viscosity's other than 1 cps, multiply the value obtained from the graph above by the proper correction factor from the chart below:

Viscosity, cps								
1	50	100	200	400	600	800	1000	2000
(h=0)								
1.0	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.8