Bag Housings and Elements

Bag Housing

Welded Bags

Schroeder Process Filtratrion offers a complete line of bag elements and housings to fit a wide variety of applications. From single bag housings, to high flow multiple bag housings, Schroeder has an economical filtration solution to fit nearly any application.

The disposable bag elements offered by Schroeder Process Filtration come in a wide variety of materials, sizes and styles. Bag styles include: steel ring bags (stainless steel optional) that are sewn into top of bag, and plastic flange bags that have flange sewn at top of bag and draw string. A multitude of options are available - call factory for details. Polyester and polypropylene felt can be used for filtration as low as 1 micron while monofilament and multifilament bags can be used for more coarse filtration. Felt bags are either singed or glazed to prevent fiber migration on the clean side of the filter.

Our bags are made in standard industry sizes from 1 through 12. We also have commercial size bags available with a snap band support ring. The seams on the bags are either sewn or welded depending upon the systems requirements. Welded bags offer:

- No needle holes
- No thread migration
- Strong, even sealing of the material

Schroeder Process Filtration bag housings can handle flows as low as 20 gpm and as high as several thousand gpm. Single bag housings are rated for either 100 psi service or 150 psi. All of our multiple bag housings and duplex bag housings are rated at 150 psi. Multiple bag housings are manufactured to hold 2 bags to 10 bags and more. Housings are made from either carbon steel or electro-polished stainless steel. ASME section VII U-stamped housings are available upon request.

Schroeder Industries has long been known for innovation to meet customer needs. Contact the factory if you have an application that requires special consideration and designs. Multiple housings can be skid mounted with integrated valves, sensors and controls to meet your specific needs.

Our bag systems provide efficient and economical filtration. Some advantages to bag filtration are:

- Positive seal to assure zero fluid bypass
- Quick and easy installation
- Handles provide easy removal from housings
- High dirt holding capacity
- Sturdy construction to prevent bags from failing in operation
- 100% incinerable

Bag Housings and Elements

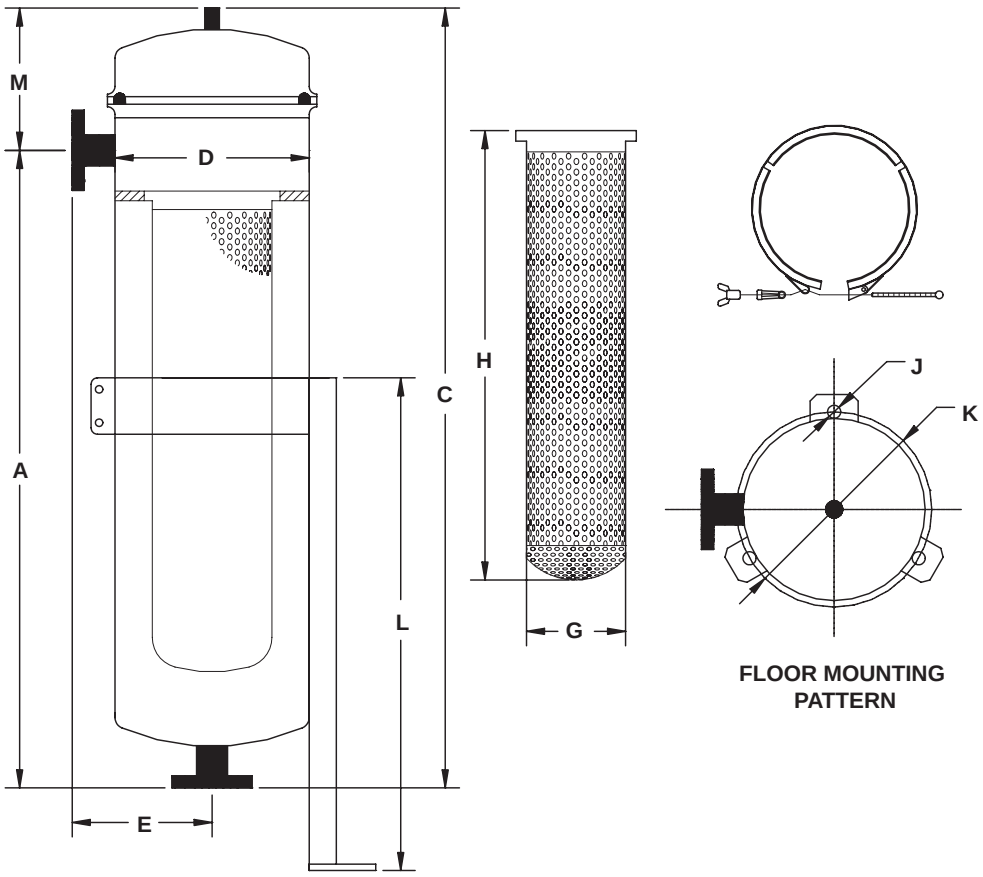
Typical Products Filtered

- Abrasives
- Adhesives
- Aerosol Products
- Chemicals
- Cleaning Fluids
- Coolants
- Cutting Fluids
- Detergents
- Dyestuffs
- Fabric Coatings
- Food Products
- Industrial Coatings
- Juices
- Lacquers
- Latices
- Liquids of all types
- Paints
- Paper Coatings
- Petroleum Products
- Pigments
- Pharmaceuticals
- Plasticizers
- Plastisols
- Printing Inks
- Process Water
- Polymer Solutions
- Roller Coatings
- Textile Chemicals
- Vegetable Oils
- Vinegar
- Waxes
- And Many Other Products

CHEMICAL PROCESSING | INDUSTRIAL | MACHINE TOOL | MINING TECHNOLOGY | POWER GENERATION | PAPER INDUSTRY | STEEL MAKING | SEWAGE AND WASTE WATER TREATMENT

BH1 Single Bag Housings - 100 psi

100 psi
7bar



NOTE:
Drawings may change without notice. Contact factory for certified drawings.

Dimensions BH1 100 psi

Model	Bag Size	A inches (mm)	C inches (mm)	D ø inches (mm)	E inches (mm)	G ø inches (mm)	H inches (mm)	J ø inches (mm)	K ø inches (mm)	L inches (mm)	M inches (mm)
BH1	1	21.65 (550)	29.13 (740)	9.13 (232)	6.93 (176)	6.77 (172)	13.78 (350)	0.39 (10)	12.72 (323)	20.47 (520)	7.48 (190)
BH1	2	39.56 (1050)	47.04 (1195)	9.13 (232)	6.93 (176)	6.77 (172)	28.74 (730)	0.39 (10)	12.72 (323)	20.47 (520)	7.48 (190)
BH1	3	14.17 (360)	21.18 (538)	7.08 (180)	5.90 (150)	3.86 (98)	7.87 (200)	0.39 (10)	9.92 (252)	13.78 (350)	7.00 (178)
BH1	4	19.48 (495)	26.49 (673)	7.08 (180)	5.90 (150)	3.86 (98)	12.20 (310)	0.39 (10)	9.92 (252)	13.78 (350)	7.00 (178)

Specifications

Max. Working Pressure:	100 psi (7 bar)			
Max. Working Temperature:	167°F (75°C)			
Support Leg:	Adjustable			
Lid Closure:	Threaded Clamp			
	BH1 - 1	BH1 - 2	BH1 - 3	BH1 - 4
Max. Flow:	90 gpm (333 L/min)	200 gpm (750 L/min)	20 gpm (75 L/min)	45 gpm (167 L/min)
Housing Volume:	7.13 gal (27 L)	12.15 gal (46L)	2.90 gal (11 L)	3.70 gal (14 L)
Empty Weight:	46 lbs. (21 kg)	57 lbs. (26 kg)	31 lbs. (14 kg)	33 lbs. (15 kg)

Single Bag Housings -100 psi

BH1

How to Build a Valid Model Number for a Single Bag Housing, 100 psi:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7
BH						

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	
BH	1	2	304S	2N	E	0	= BH12304S2NE0

BOX 1

Filter Series
BH

BOX 2

Number of Bags
1

BOX 3

Bag Size
1
2
3
4

BOX 4

Material	
304S =	304 Stainless Steel
316S =	316 Stainless Steel

BOX 5

Connection Size
1N = 1" NPT
15 = 1.5" NPT
2N = 2" NPT
2F = 2" Flange
25 = 2.5" NPT
3N = 3" NPT
3F = 3" Flange
4N = 4" NPT
4F = 4" Flange

BOX 6

Seal Material
E = EPDM
V = Viton

BOX 7

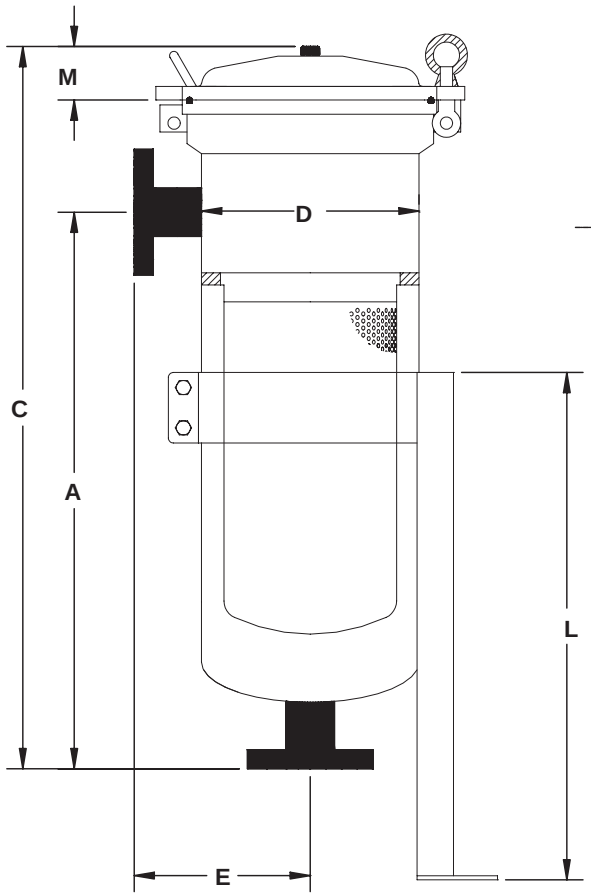
Pressure Rating
0 = 100 psi

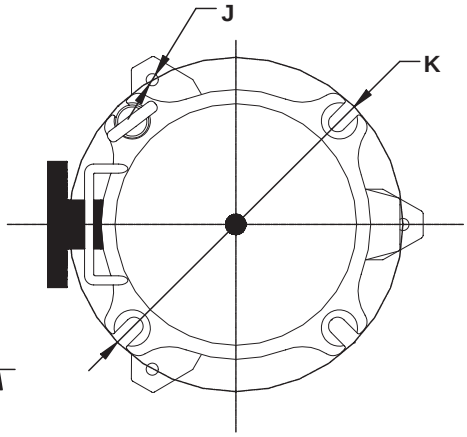
*Shaded selections are preferred order codes that designate shorter lead times.

Filter Model Number Selection

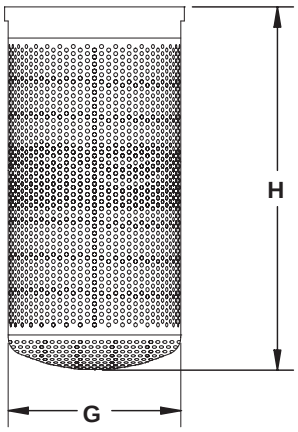
BH1 Single Bag Housings -150 psi

150 psi
10 bar





FLOOR MOUNTING PATTERN



NOTE:
Drawings may change without notice. Contact factory for certified drawings.

Dimensions BH1 150 psi

Model	Bag Size	A inches (mm)	C inches (mm)	D ø inches (mm)	E inches (mm)	G ø inches (mm)	H inches (mm)	J ø inches (mm)	K ø inches (mm)	L inches (mm)	M inches (mm)
BH1	1	21.65 (550)	29.13 (740)	8.50 (216)	6.61 (168)	6.77 (172)	13.78 (350)	0.39 (10)	13.07 (332)	19.84 (504)	2.56 (65)
BH1	2	36.61 (930)	44.09 (1120)	8.50 (216)	6.61 (168)	6.77 (172)	28.74 (730)	0.39 (10)	13.07 (332)	22.72 (704)	2.56 (65)
BH1	3	13.78 (350)	19.49 (495)	5.51 (140)	5.32 (135)	3.82 (97)	7.87 (200)	0.39 (10)	8.31 (211)	13.78 (350)	1.58 (40)
BH1	4	17.72 (450)	23.43 (595)	5.51 (140)	5.32 (135)	3.82 (97)	12.20 (310)	0.39 (10)	8.31 (211)	13.78 (350)	1.58 (40)

Specifications

Max. Working Pressure:	150 psi (10 bar)			
Max. Working Temperature:	167°F (75°C)			
Support Leg:	Adjustable			
Lid Closure:	Swing Bolts			
	BH1 - 1	BH1 - 2	BH1 - 3	BH1 - 4
Max. Flow:	90 gpm (333 L/min)	200 gpm (750 L/min)	20 gpm (75 L/min)	45 gpm (167 L/min)
Housing Volume:	6.07 gal (23 L)	9.77 gal (37 L)	1.66 gal (6.3 L)	2.06 gal (7.8 L)
Empty Weight:	75 lbs. (34 kg)	95 lbs. (43 kg)	40 lbs. (18 kg)	46 lbs. (21 kg)

Single Bag Housings - 150 psi

BH1

How to Build a Valid Model Number for a Single Bag Housing, 150 psi

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7
BH	1					

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	
BH	1	2	304S	2N	E	1	= BH12304S2NE1

BOX 1

Filter Series
BH

BOX 2

Number of Bags
1

BOX 3

Bag Size
1
2
3
4

BOX 4

Material
304S = 304 Stainless Steel
316S = 316 Stainless Steel
316L = 316L Stainless Steel

BOX 5

Connection Size
1N = 1" NPT
15 = 1.5" NPT
2N = 2" NPT
2F = 2" Flange
25 = 2.5" NPT
3N = 3" NPT
3F = 3" Flange
4N = 4" NPT
4F = 4" Flange

BOX 6

Seal Material
E = EPDM
V = Viton

BOX 7

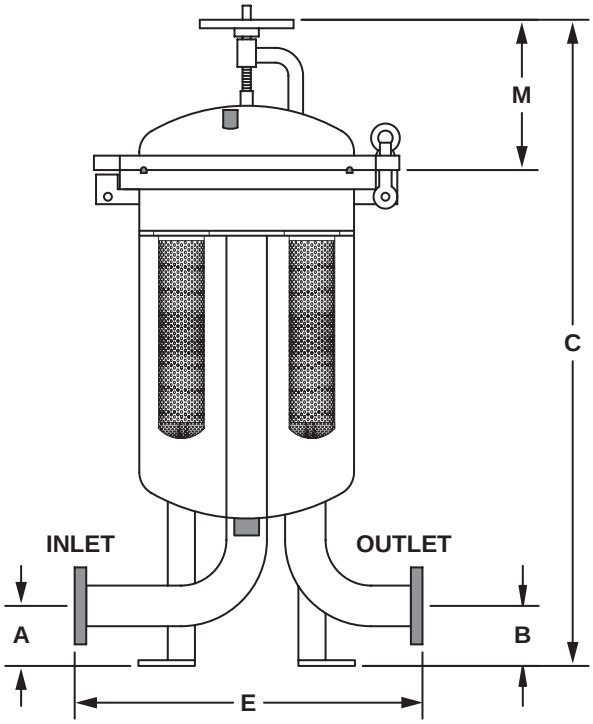
Pressure Rating
1 = 150 psi

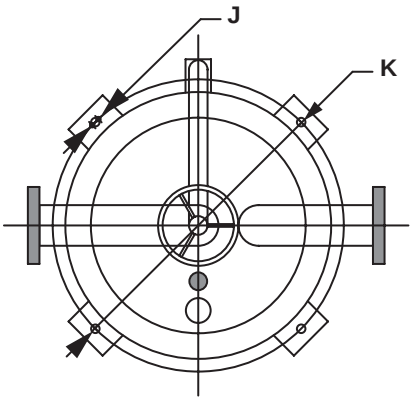
*Shaded selections are preferred order codes that designate shorter lead times.
Filter and Media are sold separately.

Filter Model Number Selection

BH2 - BH10 Multi Bag Housings

150 psi
10 bar





FLOOR MOUNTING PATTERN

NOTE:
Drawings may change without notice. Contact factory for certified drawings.

Multiple Bag Housing Dimensions

Number of Bags	Available Porting (Flange)	A		B		C		E		øJ		øK		M	
		Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
2	3"	4.25	108	4.25	108	56.02	1423	22.99	584	0.55	14	20.31	516	14.57	370
	4"	5.00	127	5.00	127	58.35	1482	25.98	660	0.55	14	20.31	516	14.57	370
3	3"	4.25	108	4.25	108	58.46	1485	27.01	686	0.55	14	24.33	618	16.02	407
	4"	5.00	127	5.00	127	60.79	1544	28.50	724	0.55	14	24.33	618	16.02	407
4	3"	4.25	108	4.25	108	58.78	1493	27.48	698	0.55	14	27.72	704	16.14	410
	4"	5.00	127	5.00	127	61.10	1552	29.02	737	0.55	14	27.72	704	16.14	410
	6"	5.98	152	5.98	152	65.43	1662	34.49	876	0.55	14	29.29	744	16.34	415
6	3"	4.25	108	4.25	108	59.17	1503	28.50	724	0.55	14	29.29	744	16.34	415
	4"	5.00	127	5.00	127	61.50	1562	30.04	763	0.55	14	29.29	744	16.34	415
	6"	5.98	152	5.98	152	65.43	1662	34.49	876	0.55	14	29.29	744	16.34	415
8	4"	5.00	127	5.00	127	70.20	1783	34.02	864	0.55	14	37.87	962	23.27	591
	6"	5.98	152	5.98	152	72.52	1842	39.02	991	0.55	14	37.87	962	21.46	545
	8"	7.24	184	7.24	184	80.63	2048	41.22	1047	0.55	14	37.87	962	25.59	650
10	6"	5.98	152	5.98	152	79.21	2012	42.99	1092	0.55	14	41.89	1064	26.97	685
	8"	7.24	184	7.24	184	83.19	2113	42.01	1067	0.55	14	41.89	1064	26.97	685
	10"	8.50	216	8.50	216	89.25	2267	47.99	1219	0.55	14	47.83	1215	27.95	710

Specifications

Max. Working Pressure:	150 psi (10 bar)
Max. Working Temperature:	167°F (75°C)
Support Legs:	Fixed
Lid Closure:	Swing Bolts

Number of Bags	Max Flow		Empty Weight		Housing Volume	
	GMP	L/Min	lbs	kg	Gallons	Liters
2	396	1500	214	97	30.64	116.00
	396	1500	225	102	30.91	117.00
3	594	2250	276	125	49.66	188.00
	594	2250	287	130	49.93	189.00
4	793	3000	355	161	64.46	244.00
	793	3000	373	169	64.72	245.00
	793	3000	454	206	73.70	279.00
6	991	3750	437	198	73.18	277.00
	1189	4500	445	202	73.44	278.00
	1189	4500	454	206	73.70	279.00
8	1387	5250	992	450	129.18	489.00
	1585	6000	992	450	129.71	491.00
	1585	6000	1014	460	130.24	493.00
10	1783	6750	1301	590	174.88	662.00
	1981	7500	1323	600	175.41	664.00
	1981	7500	1576	715	225.60	854.00

Housing Flow and Volume

BH1 100 psi
BH1 150 psi
BH2-BH10
DBH2-DBH10
Micron- Rated/ OAB
PPH/PPA

Filter Model Number Selection

How to Build a Valid Model Number for a Mulit-bag Housing, 150 psi:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7
BH						

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	
BH	4	2	304S	4F	E	1	= BH42304S4FE1

BOX 1

Filter Series
BH

BOX 2

Number of Bags
2
3
4
6
8
10

BOX 3

Bag Size
2

BOX 4

Material
304S = 304 Stainless Steel
316S = 316 Stainless Steel
316L = 316L Stainless Steel

BOX 5

Connection Size
3F = 3" Flange (2, 3, 4, and 6 bags)
4F = 4" Flange (2, 3, 4, 6, and 8 bags)
6F = 6" Flange (4, 6, 8, and 10 bags)
8F = 8" Flange (8 and 10 bags)
10F = 10" Flange (10 bags)

BOX 6

Seal Material
E = EPDM
V = Viton

BOX 7

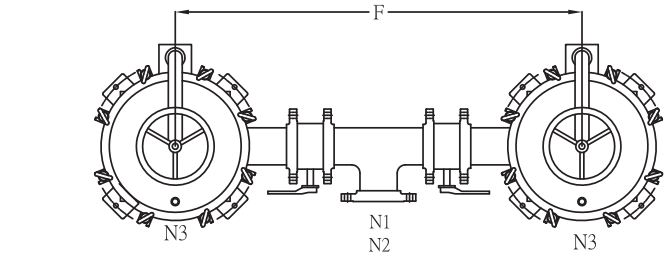
Pressure Rating
1 = 150 psi

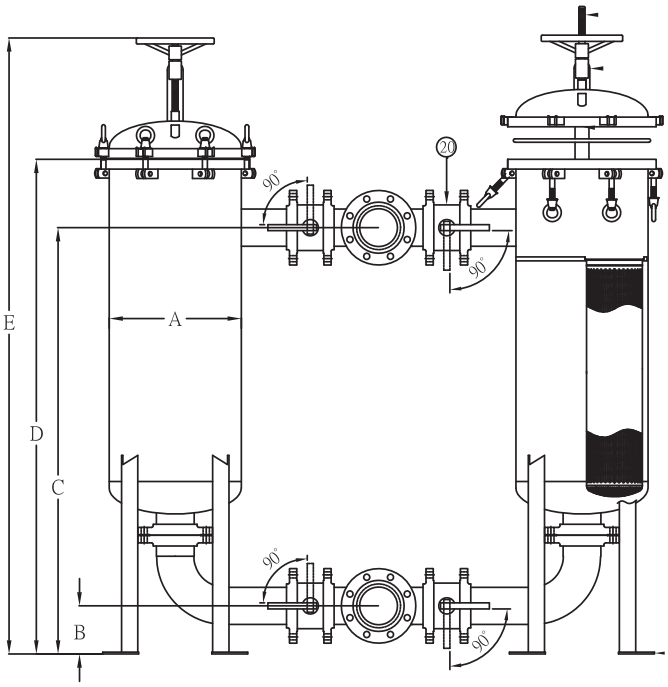
*Shaded selections are preferred order codes that designate shorter lead times.
Filter and Media are sold separately.
Additional sizes available - call factory for details.

DBH2 - DBH10

Duplex Multi Bag Housings

150 psi
10 bar





Dimensions

A Inches (mm)	B Inches (mm)	C Inches (mm)	D Inches (mm)	E Inches (mm)	F Inches (mm)	G Inches (mm)	N1	N2	N3
16 (406)	6 (148)	52 (1310)	60 (1520)	75 (1893)	49 (1250)	20 (516)	Inlet 3 / 150P SORF	Outlet 3 / 150P SORF	Vent .5 / PT F

Specifications

Max. Working Pressure:	150 psi (10 bar)
Max. Working Temperature:	167°F (75°C)
Support Legs:	Fixed
Lid Closure:	Swing Bolts

Duplex Multi Bag Housings

DBH2 - DBH10

How to Build a Valid Model Number for a Duplex Bag Housing, 150 psi:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7
DBH						

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	
DBH	4	2	304S	4F	E	1	= DBH42304S3FE1

BOX 1

Filter Series
DBH

BOX 2

Number of Bags Per Housing
2
3
4
6
8
10

BOX 3

Bag Size
2

BOX 4

Material
304S = 304 Stainless Steel
316S = 316 Stainless Steel
316L = 316L Stainless Steel

BOX 5

Connection Size
3F = 3" Flange (2, 3, 4, and 6 bags)
4F = 4" Flange (2, 3, 4, 6, and 8 bags)
6F = 6" Flange (4, 6, 8, and 10 bags)
8F = 8" Flange (8 and 10 bags)
10F = 10" Flange (10 bags)

BOX 6

Seal Material
E = EPDM
V = Viton

BOX 7

Pressure Rating
1 = 150 psi

*Shaded selections are preferred order codes that designate shorter lead times.
Filter and Media are sold separately.

Bag Element Operating Guidelines

Recommended change-out:

It is recommended that a liquid filter bag be changed out when the differential pressure (ΔP) between the upstream and downstream sides reaches 20 - 25 psi. Although this is a rule of thumb, some applications may require change-out at a ΔP well below 20 psi. Under no circumstances should ΔP be allowed to exceed 25 psi.

What is the product that needs to be filtered?

Obtain all the details of the liquid/solid composition. You need to confirm the chemical compatibility to ensure the proper material is used for the bag, retainer type and the housing for the filter bags.

What is the viscosity of the product to be filtered?

Use a flow rate chart to find out the optimum operating parameters.

What is the pH level in order to choose the proper material for the filtration system?

Is the product an acid with a pH of 1-7 or is it Alkaline 7-14?

What type of solids does the product contain?

Are the solids crystalline or gelatinous? Crystalline solids can form a permeable layer on the filter media and gelatinous solids can form an impermeable layer that will cause blinding off of the filter media.

What is the density of the solids?

What is the PPM (parts per million) of the solids?

What is the range of particle size? What size does the customer want to remove and at what efficiency?

The range of particulate size is important in determining which micron rating your filter media should be? Filter bags can be made with nominally rated material or with high efficiency material.

What is the flow rate of the product?

The flow rate is critical information required when determining the size and number of bags required.

Is it a continuous or batch process?

This is important in order to determine the filter bag consumption.

What is the operating pressure of the system?

At what minimum and maximum potential pressure is the system designed to run? What is the acceptable pressure required? Filter bag differential pressure capacity is 20-25 psi.

What is the temperature of the product being filtered?

Temperature has an impact on the viscosity, the filter media and the O-rings. The temperature can even affect the corrosion rate of the housing.

Technical Information for Liquid Bags Elements

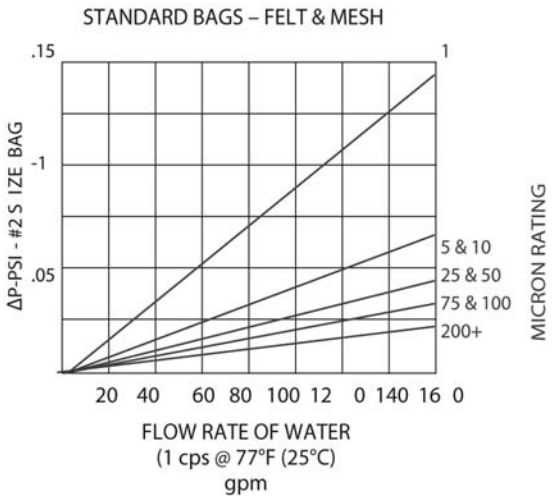
Sizes Available

				Bag/Collar/Style				Manufacturers					
Size	Sq. Ft.	Diameter (in.)	Length (in.)	S	SS	DS	P	FSI	AFF	GAF	Strainrite	Rosedale	Commercial
1	2.5	7.06	16.5	•	•	•	•	•	•	•	•	•	
2	5.0	7.06	32.0	•	•	•	•	•	•	•	•	•	
3	0.8	4.12	8.0	•	•	•	•	•				•	
4	1.3	4.12	14.0	•	•	•	•	•				•	
7	1.3	5.5	15.0	•	•	•						•	
8	2.0	5.5	21.0	•	•	•						•	
9	3.3	5.5	31.0	•	•	•						•	
C1	2.5	7.31	16.5			•							•
C2	5.0	7.31	32.5			•							•

* Shaded selections are preferred order codes that designate shorter lead times.

Bag Elements

Filter Bag Pressure Drop PB



Step 1 The graphs show the ΔPB produced by a #2 size bag for water, 1 cps @ 77°F (25°C). The pressure drop is determined from the type of bag, the micron rating and flow rate.

Step 2 Correct for bag size from the table below if the size is different than #2 size.

Bag Size	Dia X Length	Multiply By
2	7.06 x 32	1.00
9	5.5 x 32	1.50
1	7.06 x 16	2.25
8	5.5 x 21	2.25
7	5.5 x 15	3.00
4	4.15 x 14	4.50
3	4.15 x 8	9.00

Step 3 If the viscosity of the liquid is greater than 1 cps (water @ 77°F (25°C). Multiply the result from step 2 by the proper correction factor from the chart below.

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
10000	430.0

The value obtained in step 3, ΔPB is the clean pressure drop caused by the filter bag.

SUMMARY

System Pressure Drop = ΔPS = ΔPH + ΔPB

For new applications, the ΔPS should be 2.0 psi (0.14 bar) or less. For high contaminant loading applications, this value should be as low as possible. The lower this value is, the more contaminant a bag will hold. For applications with nominal contaminants, this value can go to 3.0 psi (0.21 bar) or more. Consult factory for specific recommendations when the clean ΔP exceeds 2.0 psi (0.14 bar).

Micron-Rated Bag Elements

Micron-Rated Bag Elements

How to Build a Valid Model Number for a Micron-Rated Bag Element

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	
PEF	100	P	2	S	0	= PEF100P2S0

BOX 1

Bag Material

- PEF = Polyester Felt
- PPF = Polypropylene Felt
- NOF = Nomex Felt
- PPM = Polypropylene Monofilament Mesh
- NMO = Nylon Monofilament Mesh
- PEM = Polyester Multifilament Mesh
- NMU = Nylon Multifilament Mesh

BOX 2

Micron Rating

See chart below for available micron ratings

BOX 3

Cover Material

- P = Plain, No Cover
- PEM = Polyester Multifilament Mesh
- MM = Muslin Mesh
- SBN = Spun Bonded Nylon
- NMU = Nylon Multifilament Mesh

BOX 4

Bag Size

	Diameter	Length
1	7.06	16.5
2	7.06	32.0
3	4.12	8.0
4	4.12	14.0
7	5.50	15.0
8	5.50	21.0
9	5.50	31.0
11	8.00	16.0
12	8.00	30.0
C1	7.31	16.5
C2	7.31	32.5

BOX 5

Collar Type

- S = Standard Steel Ring
- SS = Stainless Steel Ring
- DS = Draw String
- P = Plastic Flange

BOX 6

Options

- 0 = No Options
- H = Handles
- W = Welded Seams

Only available on plastice flange bags

Construction	Fibers		1	3	5	10	15	25	50	75	100	125	150	175	200	250	300	400	600	800	1000
Felt	Polyester	PEF	•	•	•	•	•	•	•	•	•		•		•						
	Polypropylene	PPF	•	•	•	•		•	•		•		•								
	Nomex	NOF	•		•	•		•	•		•				•						
Monofilament	Polypropylene	PPM														•		•			
Mesh	Nylon	NMO			•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•
Multifilament	Polyester	PEM									•		•		•	•	•	•	•	•	•
Mesh	Nylon	NMU									•		•		•	•	•	•	•	•	•

Technical Information for Liquid Bag Elements

Compatibility & Temperature

Medias	Mineral Acids	Organic Acids	Alkalies	Oxidizing Acids	Animal Vegetable Perro-Oils	Organic Solvents	Miro Organisms	Temp. Limits (°F)
Polyester	Good	Good	Good	Good	Excellent	Excellent	Excellent	257°
Polypropylene	Good	Excellent	Good	Fair	Excellent	Good	Excellent	200°
Nomex	Fair	Fair	Good	Poor	Excellent	Excellent	Excellent	425°
Nylon	Poor	Fair	Good	Poor	Excellent	Excellent	Excellent	300°

Oil Absorbing Bag Elements

Schroeder's Oil Absorbing Bag Filters (OAB) are a cost-effective solution for removing oil from water while simultaneously filtering as low as 1 micron. The high capacity bag filter is designed with different layers of micro-fibers that not only retain oil, but increase overall efficiency to 95% or greater on microns ranging from 1 to 50. The overall construction of this filter bag has 30 plus square feet of media and can retain 10 pounds or more of oil depending on the micron. These bags are offered in standard bag size 1 or 2.

- Food Processing
- Hydraulic Systems
- Gelantinous Contaminants
- Cutting Oil
- Vacuum Pump
- Parts Washing
- Engine Oil/Transmission Oil
- Natural Gas Sweetening
- Natural Gas Dehydration
- Lubrication Oil

How to Build a Valid Model Number for a OAB:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5
OAB				

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	
OAB	2H	1	SS	H	= OAB2H1SSH

BOX 1

Bag Material
OAB

BOX 2

Micron Rating
1H = 1m High Efficiency
2H = 2m High Efficiency
5H = 5m HIgh Efficiency
10H = 10m HIgh Efficiency
25H = 25m HIgh Efficiency
50H = 50m HIgh Efficiency

BOX 3

Bag Size		
	Diameter	Length (in)
1=	7.06	16.5
2=	7.06	32.0

BOX 4

Micron Rating
SS = Stainless Steel Ring
P = Plastic Flange

BOX 5

Options
H = Handles (Standard)

High Efficiency Bag Elements

Materials of Construction

High efficiency bag elements are constructed of Polypropylene meltblown microfibers, allowing for very fine particles capture at high efficiencies. All high efficiency filter bags are over 90% efficient at their suggested micron rating. The bag construction makes this filter an easy to use, convenient, high performance alternative to filter cartridges. Maximum flow per bag is 60 gpm.

Product Number:	PPH1H	PPH3H	PPH5H	PPH10H	PPH25H
Dirt Holding Capacity grams of AC Test Dust Loaded to 35 psi at 12 GPM	74	150	160	175	195
Oil Holding Capacity grams of Mineral Oil at Saturation	528	657	690	726	798

Efficiency

Product Number	Suggested Application Rating	Efficiency
PPH1H	1.0 micron	93.00%
PPH2H	2.0 micron	94.00%
PPH5H	5 micron	94.00%
PPH10H	10 micron	94.00%
PPH25H	25 micron	97.00%
PPH50H	50 micron	97.00%

Model Code

How to Build a Valid Model Number for a PPH:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6
PPH					

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	
PPH	1H	P	2	SS	H	= PPH1HP2SSH

BOX 1

Bag Material
PPH = Polypropylene High Efficiency

BOX 2

Micron Rating
1H = 1m High Efficiency
2H = 2m High Efficiency
5H = 5m HIgh Efficiency
10H = 10m HIgh Efficiency
25H = 25m HIgh Efficiency
50H = 50m High Efficiency

BOX 3

Cover Material
P = Plain No Cover

BOX 4

Bag Size		
	Diameter	Length
1=	7.06	16.5
2=	7.06	32.0

BOX 5

Collar Type
SS = Stainless Steel Ring
P = Plastic Flange

BOX 6

Options
H = Handles (standard)

Absolute Rated Bag Elements

The Absolute Rated Bag Elements are constructed of polypropylene meltblown microfibers, allowing for very fine particles capture at high efficiencies. All Absolute Rated filter bags are over 97% efficient at their suggested micron rating. The bag construction makes this filter an easy to use, convenient, high performance alternative to filter cartridges. The filter contains over 30 sq. ft. of usable filter media. This compares with only 4.4 sq. ft. for most filter bags and only .65 sq. ft. for most cartridges. Maximum flow per bag is 40 gpm.

Product Number:	PPA3A	PPA5A	PPA13A	PPA32A
Dirt Holding Capacity grams of AC Test Dust Loaded to 35 psi at 12 GPM	225	275	525	625
Oil Holding Capacity grams of Mineral Oil at Saturation	1000	1250	2300	2500

Product Number	Suggested Application Rating	Efficiency
PPA1A	1.0 micron	97.00%
PPA2A	2.0 micron	97.00%
PPA3A	3.0 micron	97.00%
PPA5A	5.0 micron	97.00%
PPA13A	13.0 micron	97.00%
PPA32A	32.0 micron	97.00%

How to Build a Valid Model Number for a PPA:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6
PPA					

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	
PPA	3A	P	2	SS	H	= PPA3AP2SSH

BOX 1

Bag Material
PPA = Polypropylene Absolute Rated

BOX 2

Micron Rating
1A = 1m Absolute
2A = 2m Absolute
3A = 3m Absolute
5A = 5m Absolute
13A = 13m Absolute
32A = 32m Absolute

BOX 3

Cover Material
P = Plain No Cover

BOX 4

Bag Size		
	Diameter	Length
2=	7.06	32.0

BOX 5

Collar Type
SS = Stainless Steel Ring

BOX 6

Options
H = Handles (Stainless Steel only)