



BIO DIESEL PURIFICATION REPLACEMENT
PARTS & ACCESSORIES

Schroeder Meltblown



The Schroeder Meltblown depth filter cartridges and housings are a reliable, versatile and low cost solution to numerous filtration needs. These graded density elements, made from 100% pure polypropylene fibers, offer a high dirt holding capacity. By trapping the larger sized particles on the outside of the element while the smaller particles are trapped closer to the element's core, these elements can filter as fine as 1 μ while still maintaining a low pressure drop. This product line offers various sizes and styles of housings to fit a wide variety of application.

Filter Media: Polypropylene

Temperature Range: 40°F to 145°F (4.4°C to 62.8°C)

Filtration Rating: 1 μ - 100 μ

Specifications

How to Build a Valid Model Number for a Schroeder BME Filter:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5
BME	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	
BME	2	10	25	DOE	= BME21025DOE

Model Code

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5
Filter Series	Element Size	Element Length	Micron Rating	End Cap Style
BME	2 2.5" OD 4 4.5" OD	5 4-7/8" (2.5" OD only) 10 9-7/8" 20 20" 30 30" (2.5" OD only) 40 40" (2.5" OD only)	01 1 μ 05 5 μ 10 10 μ 20 20 μ 25 25 μ 50 50 μ 75 75 μ	DOE Double Open End 222 222 Original Seal FIN FIN Style

Replacement Wash Cell Elements



Part Number: BWT-RC-2-1

What's Included: Replacement wash cells for Schroeder BioFuels (series A) and Filtertechnik Wash Towers

Prefilter Replacement Elements

Part Number: PPE-001

What's Included: BD6000 prefilter replacement element

Part Number: PPL-001

What's Included: BD7000 prefilter replacement element

Pot Polishing Elements



Replacement polishing elements for pot filter on the BD5000, BD6000 and BD7000. Also a suitable element for the KU-65 filter. A high efficiency 2µ filter element which removes up to 0.2 gallons of water.

Part Number: FPE-002

What's Included: Water and particulate removal element

Roll Media for BWC Filter

How to Build a Valid Model Number for a Schroeder BWC filter:

BOX 1	BOX 2	BOX 3	BOX 4
BWC	<input type="text"/>	<input type="text"/>	<input type="text"/>

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	
BWC	RM	07	18	= BWRRM0718

BOX 1	BOX 2	BOX 3	BOX 4																								
Filter Series	Replacement Type	Micron Rating	Roll Width																								
BWC	RM Roll Media	<table border="1"> <tr><td>07</td><td>7µm</td></tr> <tr><td>12</td><td>12µm</td></tr> <tr><td>14</td><td>14µm</td></tr> <tr><td>18</td><td>18µm</td></tr> <tr><td>28</td><td>28µm</td></tr> <tr><td>50</td><td>50µm</td></tr> <tr><td>200</td><td>200µm</td></tr> </table>	07	7µm	12	12µm	14	14µm	18	18µm	28	28µm	50	50µm	200	200µm	<table border="1"> <tr><td>27</td><td>27" Wide (BWC 70/145)</td></tr> <tr><td>39</td><td>39" Wide (BWC 210/300)</td></tr> <tr><td>51</td><td>51" Wide (BWC 400)</td></tr> <tr><td>60</td><td>60" Wide (BWC 500)</td></tr> <tr><td>70</td><td>70" Wide (BWC 600)</td></tr> </table>	27	27" Wide (BWC 70/145)	39	39" Wide (BWC 210/300)	51	51" Wide (BWC 400)	60	60" Wide (BWC 500)	70	70" Wide (BWC 600)
07	7µm																										
12	12µm																										
14	14µm																										
18	18µm																										
28	28µm																										
50	50µm																										
200	200µm																										
27	27" Wide (BWC 70/145)																										
39	39" Wide (BWC 210/300)																										
51	51" Wide (BWC 400)																										
60	60" Wide (BWC 500)																										
70	70" Wide (BWC 600)																										

Excellement® Media

In March 2000, Schroeder replaced its S media with a new generation synthetic Excellement® (Z) media. At every level of filtration from 1m to 25m, the Z media has significantly outperformed its predecessor. The special class of micro-glass and other fibers used in Z media are manufactured with utmost precision, to specific thicknesses and densities, and bonded with select resins to create material with extra fine passages. No other filter media can provide the benefits of Schroeder's Excellement® Z media: maximum dirt-holding capacity, superior particle capture, minimum pressure drop, high flow rate and low operating cost.

Filtration Ratio Per ISO 4572 / NFPA T3.10.8.8

Using automated particle counter (APC) calibrated per ISO 4402

Filtration Ratio wrt ISO 16889

Using APC calibrated per ISO 11171

Element	Bx ≥ 75	Bx ≥ 100	Bx ≥ 200	Bx(c) ≥ 200	Bx(c) ≥ 1000	DHC* (grams)
KZ1	<1.0	<1.0	<1.0	<4.0	4.2	112
KZ3	<1.0	<1.0	<2.0	<4.0	4.8	115
KZ5	2.5	3.0	4.0	4.8	6.3	119
KZ10	7.4	8.2	10.0	8.0	10.0	108
KZ25	18.0	20.0	22.5	19.0	24.0	93

K Size Elements



Filtration Ratio Per ISO 4572 / NFPA T3.10.8.8

Using automated particle counter (APC) calibrated per ISO 4402

Filtration Ratio wrt ISO 16889

Using APC calibrated per ISO 11171

Element	Bx ≥ 75	Bx ≥ 100	Bx ≥ 200	Bx(c) ≥ 200	Bx(c) ≥ 1000	DHC (grams)
16Q	Z1	<1.0	<1.0	<1.0	<4.0	276
	Z3	<1.0	<1.0	<2.0	<4.0	283
	Z5	2.5	3.0	4.0	4.8	351
	Z10	7.4	8.2	10.0	8.0	280
	Z25	18.0	20.0	22.5	19.0	254
39Q	Z1	<1.0	<1.0	<1.0	<4.0	974
	Z3	<1.0	<1.0	<2.0	<4.0	1001
	Z5	2.5	3.0	4.0	4.8	954
	Z10	7.4	8.2	10.0	8.0	940
	Z25	18.0	20.0	22.5	19.0	853

Q Size Elements



* Dirt Holding Capacity

Schroeder SOX



This is the most economical Sox filter system consisting of a micron rated Sox filter and one of our SchroederSOX housings. SOX filtration is great for removing high amounts of contamination in a short amount of time. See below to size and determine the perfect SOX product for you.

How to Build a Valid Model Number for a Schroeder SOX filter:

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

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	
SPE	100	P	2	S	0	= SPE100P2SO

Model Code

BOX 1

Sox Material	
Felts	
SPE	Polyester Felt
SPO	Polypropylene Felt
SNY	Nylon Felt
SNO	Nomex Felt
SOM	Polypropylene Monofilament Mesh
SNM	Nylon Monofilament Mesh
SPU	Polyester Multifilament Mesh
SNU	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
MN	Muslin Mesh
SBN	Spun Bonded Nylon
NMU	Nylon Multifilament Mesh

BOX 4

Sox 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	20.0
9	5.50	31.0
11	8.38	18.0
12	8.38	36.0
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
C	Commercial Snap Band

BOX 6

Options	
0	No Options
H	Handles
W	Welded Seams

Micron Ratings

Construction	Fibers		1	3	5	10	15	25	50	75	100	125	150	175	200	250	300	400	600	800	1000	
Felt	Polyester	SPE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Polypropylene	SPO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Nylon	SNY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Nomex	SNO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Monofilament Mesh	Polypropylene	SOM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Nylon	SNM	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Multifilament Mesh	Polyester	SPU	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Nylon	SNU	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Technical Information

Medias	Mineral Acids	Organic Acids	Alkalies	Oxidizing Acids	Animal Vegetable Petro-Oils	Organic Solvents	Micro Organisms	Temp. Limits (°F)
Polyester	Good	Good	Good	Good	Excellent	Excellent	Excellent	275°
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°

High Efficiency Sox Elements

The high efficiency liquid filter bag is constructed of Polypropylene melt blown 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.

Product Number:	SPH1H	SPH3H	SPH5H	SPH10H	SPH25H
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

Materials of Construction

Product Number	Suggested Application Rating	Efficiency
SPH1H	1.0 micron	93.00%
SPH3H	3.0 micron	94.00%
SPH5H	5 micron	94.00%
SPH10H	10 micron	94.00%
SPH25H	25 micron	97.00%

Efficiency

Build a sox filter part number by choosing a selection from each category:

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

Example:

BOX 1 - BOX 2 - BOX 3 - BOX 4 - BOX 5 - BOX 6 = SPH1HP2SSH

Model Code

BOX 1	BOX 2	BOX 3	BOX 4																						
<table border="1"> <thead> <tr> <th>Bag Material</th> </tr> </thead> <tbody> <tr> <td>SPH</td> </tr> </tbody> </table>	Bag Material	SPH	<table border="1"> <thead> <tr> <th>Micron Rating</th> </tr> </thead> <tbody> <tr> <td>1H 1μ High Efficiency</td> </tr> <tr> <td>3H 3μ High Efficiency</td> </tr> <tr> <td>5H 5μ High Efficiency</td> </tr> <tr> <td>10H 10μ High Efficiency</td> </tr> <tr> <td>25H 25μ High Efficiency</td> </tr> </tbody> </table>	Micron Rating	1H 1μ High Efficiency	3H 3μ High Efficiency	5H 5μ High Efficiency	10H 10μ High Efficiency	25H 25μ High Efficiency	<table border="1"> <thead> <tr> <th>Cover Material</th> </tr> </thead> <tbody> <tr> <td>P Plain No Cover</td> </tr> </tbody> </table>	Cover Material	P Plain No Cover	<table border="1"> <thead> <tr> <th colspan="3">Bag Size</th> </tr> <tr> <th></th> <th>Diameter</th> <th>Length</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>7.06</td> <td>16.5</td> </tr> <tr> <td>2</td> <td>7.06</td> <td>32.0</td> </tr> </tbody> </table>	Bag Size				Diameter	Length	1	7.06	16.5	2	7.06	32.0
Bag Material																									
SPH																									
Micron Rating																									
1H 1μ High Efficiency																									
3H 3μ High Efficiency																									
5H 5μ High Efficiency																									
10H 10μ High Efficiency																									
25H 25μ High Efficiency																									
Cover Material																									
P Plain No Cover																									
Bag Size																									
	Diameter	Length																							
1	7.06	16.5																							
2	7.06	32.0																							
<table border="1"> <thead> <tr> <th>BOX 5</th> </tr> <tr> <th>Collar Type</th> </tr> </thead> <tbody> <tr> <td>SS Stainless Steel Ring</td> </tr> </tbody> </table>	BOX 5	Collar Type	SS Stainless Steel Ring	<table border="1"> <thead> <tr> <th>BOX 6</th> </tr> <tr> <th>Options</th> </tr> </thead> <tbody> <tr> <td>H Handles (stainless steel ring only)</td> </tr> </tbody> </table>	BOX 6	Options	H Handles (stainless steel ring only)																		
BOX 5																									
Collar Type																									
SS Stainless Steel Ring																									
BOX 6																									
Options																									
H Handles (stainless steel ring only)																									

Absolute Rated Sox Elements

The Absolute Rated liquid filter bag is constructed of polypropylene melt blown microfibers, allowing for very fine particles capture at high efficiencies. All Absolute Rated filter socks 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.

Materials of Construction

Product Number:	SPA3A	SPA5A	SPA13A	SPA32A
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

Efficiency

Product Number	Suggested Application Rating	Efficiency
SPA3A	3.0 micron	97.00%
SPA5A	5.0 micron	97.00%
SPA13A	13.0 micron	97.00%
SPA32A	32.0 micron	97.00%

Model Code

Build a sox filter part number by choosing a selection from each category:

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

Example:

= SPA3AP2SSH

BOX 1

Bag Material
SPA

BOX 2

Micron Rating
3A 3μ Absolute
5A 5μ Absolute
13A 13μ Absolute
32A 32μ 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

Dessicant Air Breathers



R-AB-4



D-AB-4

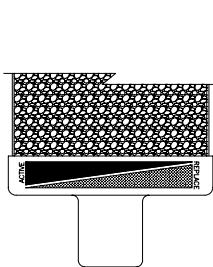
Schroeder desiccant breathers are designed to increase operational efficiency while reducing costs by protecting industrial systems from moisture and particulate contaminants. They are made with environmentally disposable silica gel, which absorbs and traps moisture. Maximum ambient temperature is 200°F (93°C).

Model	Normal Capacity	Air Flow
D-AB-2	20 SCFM	2 psi at 20 SCFM
D-AB-4	35 SCFM	0.70 psi at 35 SCFM
R-AB-4	35 SCFM	0.70 psi at 35 SCFM

Specifications

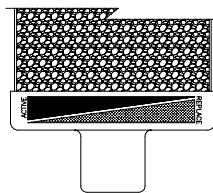
Both D-AB-4 and R-AB-4 require an adapter, purchased separately and described below.

Adapter Selection Guide



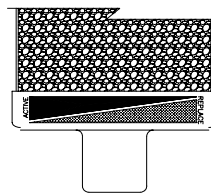
Flange Adapter

Part No. D-AB-FA (Without Holes)
Part No. D-AB-FA1 (With Holes)



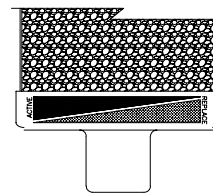
Threaded Adapter

Part No. D-AB-TA1 (1" MNPT)
Part No. D-AB-TA34 (3/4" MNPT)



Bayonet Adapter

Part No. D-AB-BA



Spin On Adapter

Part No. D-AB-SOA1 (1" 12UNF)
Part No. D-AB-SOA112 (1 1/2" 16UNF)

The R-AB-4 features inlet and outlet check valves located in the reusable cap (head), which control both the airflow into the reservoir and the airflow out of the reservoir and prolongs the life of the desiccant by allowing the air to flow through the breather only when needed to protect the integrity of the reservoir by establishing the thresholds of vacuum (air in) and pressure (air out).

The R-AB-4 also includes a reusable top cap which allows for the economic replacement of the desiccant cartridge.

Part Number for replacement cartridge is R-AB-ELE.