

## **R** Rosedale Filter Media

Rosedale has a wide selection of filter media available to help solve your filtration problems. Our product offerings include filter bags, filter cartridges, and perforated strainer baskets. This selection features a variety of options from low-cost, disposable filter media; through high-performance filter cartridge; to cleanable stainless steel elements.

The filtration efficiency values specified in our data (see Element Performance Chart on page 107), are the indication of the filter's performance. Unlike many manufacturers, Rosedale publishes the filtration efficiency and dirt capacity of our media, providing all the information needed for an accurate sizing of a filter.

Our media is offered in standard grades and high efficiency. Standard grade refers to products which are nominally rated. This means there is no specified efficiency at the

micron size but the product is interchangeable with industry standards. Rosedale high efficiency filter media is rated 95%, 99%, or 99.98% efficient at the specified micron level.

Nominal Rating	Absolute Rating (95% Efficiency)
1	35
3	35
5	48
10	55
15	65
25	70
50	90
75	110
100	110

Bag or cartridge filters are usually selected so that the clean pressure drop does not exceed 2 psi. Change-out is recommended at 15 psid (for bags), and 30 psid (for cartridges). Higher pressure drops may be tolerated when contaminant loading is low.

A more comprehensive chart on page 107 details each product group with corresponding efficiency and micron rating.



Use this chart to determine the filter performance you require. The Product Groups are listed on the left, Micron Sizes are in (red), with corresponding Efficiency (blue) and Beta Rating (green) along the top.

## Element Performance Chart

EFFICIENCY % BETA RATING	PAGE NO.	30 1.5	50 2	66 3	80 5	90 10	95 20	98 50	98.7 75	98.75 80	99 100	99.8 500	99.9 1000	99.95 2000	99.98 5000	99.99 10000	ELEMENT AREA FT <sup>2</sup>	FLOW RATE GPM*	DIRT HOLDING** CAP. (lbs)
<b>PLATINUM 500</b>																			
PS-520	124										0.25		<0.5		0.5		85	30 ↕ 50	8
PS-521											0.9		1.4		2				8
PS-523											1.6		2		5				8
PS-525											2		6.5		10				10
PS-527											9		17		20				10
PS-528											18		30		40				12
PS-529											40		60		70				12
<b>PLATINUM 700</b>																			
PS-740	126										0.25		<0.5		0.5		120	50 ↕ 100	12
PS-741											0.9		1.4		2				15
PS-743											1.6		2		5				15
PS-745											2		6.5		10				17
PS-747											9		17		20				18
PS-748											18		30		40				20
PS-749											40		60		70				20
<b>PLATINUM 900</b>																			
PS-940	128										0.25		<0.5		0.5		600	200 ↕ 400	55
PS-941											0.9		1.4		2				75
PS-943											1.6		2		5				75
PS-945											2		6.5		10				85
PS-947											9		17		20				90
PS-948											18		30		40				100
PS-949											40		60		70				100
<b>PLEATED HI-E</b>																			
PL-PEMF/POMF-1	130					1	1				2						25	35 ↕ 100	1.5
PL-PEMF/POMF-3							3				5								3
PL-PEMF/POMF-8							8				19								5
PL-PEMF/POMF-19							19				25								6
<b>PLEATED STANDARD</b>																			
PL-PE/PO-35 (1 nom.)	131						35										25	50 ↕	7.5
PL-PE/PO-48 (5 nom.)							48												8
PL-PE/PO-55 (10 nom.)							55												9
PL-PE/PO-70 (25 nom.)							70												10
PL-PE/PO-90 (50 nom.)							90							150					11
<b>HI-E</b>																			
PEMF/POMF-1	120					1	1				2						10	20 ↕ 50	0.2
PEMF/POMF-3							3				5								0.25
PEMF/POMF-8							8				19								0.35
PEMF/POMF-19							19				25								0.75
<b>STANDARD</b>																			
PE/PO-1	111				30		35										4.4 SINGLE LAYER	50 ↕ 110	0.6
PE/PO-5				20		30	48	40											0.7
PE/PO-10			10				55												0.8
PE/PO-25			40				70												0.9
PE/PO-50							90												1
<b>SURFACEPLUS</b>																			
SP-PE/PO-35	118				30		35										13.2 SINGLE LAYER- EXTRA LONG	50 ↕ 110	2.2
SP-PE/PO-48				20		30	48	40											2.8
SP-PE/PO-55			10				55												3.2
SP-PE/PO-70			40				70												3.63
SP-PE/PO-90							90												4
<b>GRADED DENSITY</b>																			
GD-523	131						1				2		20	30		40	4.4 SINGLE LAYER	20 ↕ 50	0.6
GD-525							3				5								0.65
GD-527							8				19								1.25
GD-529							19				25								2
<b>BETA</b>																			
BB-1	114		1			3	4		8	10							4.4 SINGLE LAYER	20 ↕ 50	0.15
BB-10			10				16		20	47									0.35
BB-12			12				37		47										0.6
<b>GIARDIA</b>																			
GLR-825	133													3			4.4 TWENTY SIX LAYER	10	0.5

\* Range of flow varies with micron selection - consult individual product group flow curves. \*\* Dirt capacity is based on minimum flow using AC Fine, AC Coarse, or Composite Test Dust.

## **R** Rosedale Filter Media Index

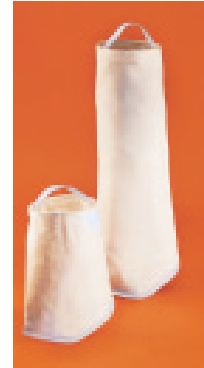
### **Surfaceplus Filter Bags**

These filter bags are for heavy dirt load applications. With 3 times the surface area of similar sized bags, it will increase the amount of contaminant held, and extend the time between change-out. Rated 35-110 microns at 95% efficiency. See page 118.



### **Standard Bags**

High-capacity filter bags with ratings to 1 micron are available in a wide range of sizes and materials for general use. Special-purpose bags for high-temperature service and oil removal are also available. See page 111.



### **Beta Bags**

These bags meet the more exacting requirements of fine process filtration and hydraulic and lubricating fluid filtration. They're rated by the multi-pass method of filter performance evaluation, allowing direct comparison between Beta bags and cartridges. Rated 8-47 microns at 98.7% efficiency. See page 114.



### **Hi-E Series High Efficiency Bags**

Rosedale's series of high-efficiency filter elements are made from unique micro-fiber material. Excellent for general polishing applications with low dirt load. Rated 1-19 microns at 95% efficiency. See page 130.



### **Bag-Sized Pleated Cartridges**

Innovative design combines the advantages of bags with the best features of cartridges. Like bags, contaminant is trapped inside, and they're easy to handle. Pleated construction, like a cartridge, packs more surface area in less cubic space. Rated 1-110 microns at 95% efficiency. See page 120.



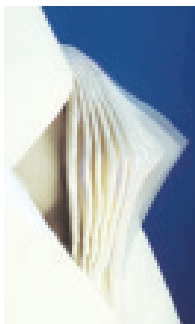
### **All-Polypropylene Bags**

These bags have a plastic collar sonically welded into their opening. This collar has integral handles as standard feature. The bags are sewn, then turned inside out to prevent leakage through the threads. Rated 1-110 microns at 95% efficiency. See page 113.



### **Graded Density Bags (Membrane Prefilters)**

Great dirt-carrying capacity is combined with fine filtration efficiency in these multilayer bags. These bags are excellent prefilters in applications previously requiring cartridges, cutting costs. Rated 1-19 microns at 95% efficiency. See page 117.



### **Stainless Steel Filter Elements**

These stainless steel cartridge elements overcome the temperature and compatibility limitations of fabric or synthetic fiber cartridges. Rated 5-800 microns at 95% efficiency. See page 135.



**Giardia Removal Bag**

The Rosedale Giardia reduction bag has 26 layers of high-efficiency polypropylene microfiber material, encased in a rigid support cage, to filter out contaminants.

See page 133.



**Replacement Baskets**

Rosedale manufactures filter bag baskets and strainer baskets for a wide range of filter housings. We offer replacements for all current models and any that have been discontinued by the original manufacturer. They can be ordered in standard perforated or wire mesh lining.

See page 144.



**Platinum 500 Series**

Our line of Platinum absolute-rated filter cartridges offer maximum dirt holding capacity coupled with micron retention ratings to 0.5 at 99.98%

See page 124.



**Platinum 700 Series**

Our Platinum 700 filter system boasts a filter element that has the life of 40 standard wound or 10 pleated cartridges. The dirt holding capacity exceeds 20 lbs.

See page 126.



**Platinum 900 Series**

Our Platinum 900 filter system boasts a filter element that has the life of 200 standard wound or 50 pleated cartridges. The dirt holding capacity exceeds 100 lbs.

See page 128.



**Index**

<b>Filter Bags</b>	<b>Page</b>
<b>Standard</b>	
Felt 1-100 micron	110
Mesh 50-800 micron	110
OA oil adsorbent	110
Teflon® high temp	110
Nomex® high temp	110
<b>Polypropylene Top</b>	
Felt 1-800 micron	113
<b>High Efficiency</b>	
Beta Rated	114
Membrane Prefilters (GD)	117
Pleated	120
Surfaceplus extended area	118
Giardia Removal	133
<b>Filter Cartridges</b>	
<b>Standard</b>	
Wound 1-100 micron	141
Stainless 1-800 micron	135
<b>High Efficiency</b>	
Platinum Series	124
Pleated	139
<b>Strainer Baskets</b>	
Perforated	144
Wire Mesh lined	144
Wedge Wire	144

**Pleated Cartridges**

**Absolute-Rated**

These cartridges each have pleated, fixed pore media to maximize surface area, prevent particle unloading, and fiber migration. Media include: cellulose, fiberglass, polyester, and polypropylene

See page 139.



**Wound Cartridge**

**All-Purpose**

Our wound cartridges come in a wide range of materials, lengths, and micron retention ratings. The materials include cotton, acrylics, nylon, and polypropylene.

See page 141.

