

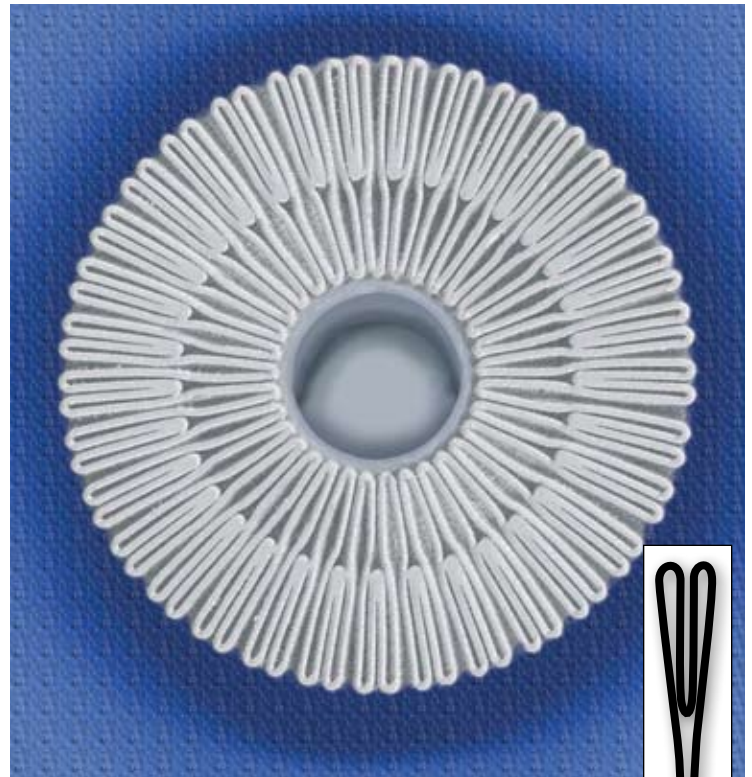
**R Platinum Series  
ABSOLUTE-RATED  
Bag-Sized Cartridges**  
Maximum dirt-holding capacity

These absolute-rated filter cartridges offer maximum dirt holding capacity coupled with micron retention ratings to 0.5 at 99.98% efficiency.

These elements are manufactured in a unique "Y" pleat arrangement that optimizes its physical size and maximizes effective surface area. A low fluid flux rate maximizes dirt containment. This means element life is extended and productivity is increased, resulting in fewer cartridge change-outs, less labor, and lower replacement costs.

**Design Details**

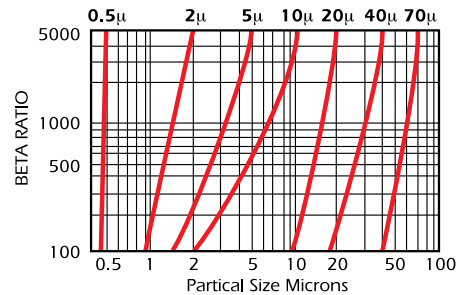
This design uses only the highest quality materials and most advanced manufacturing processes. The end caps are heat sealed for high efficiency performance. The o-ring seal insures sealing and eliminates bypass.



The "Y" pleat maximizes effective surface area.



**Rosedale BETA Curves**



The Beta Ratio ( $\beta$ ) at a given particle size can be correlated to the filter efficiency at that particle size according to the following formula:

**Filter Efficiency (%) =  $[(\beta-1)/\beta] \times 100\%$**

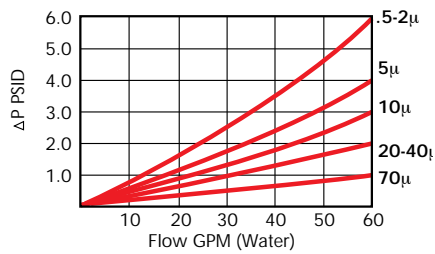
Beta Ratio ( $\beta$ )	100	1000	5000
Filter Efficiency (%)	99.00	99.90	99.98

Each filter element will have a different Beta Ratio for every specified particle size. The determination of a variety of Beta values for the same filter provides a filter efficiency profile commonly referred to as a Beta Curve.

## Platinum 500

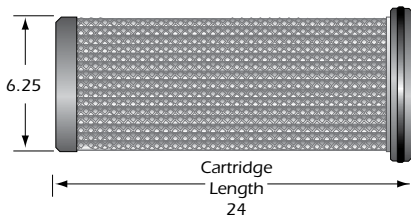
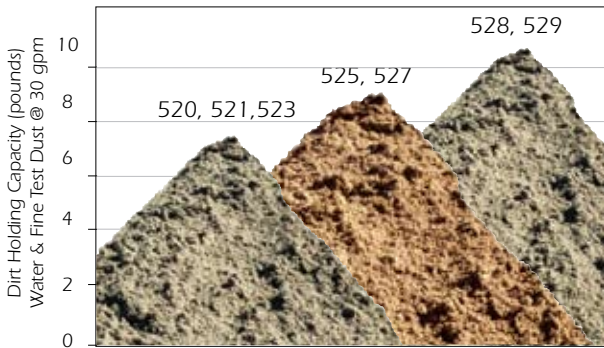
- 68 sq. ft. of surface area maximum
- 12 lbs. (approx.) of dirt carrying capacity
- Rated 0.5 micron to 70 micron @  $\beta 5000$  or 99.98% efficiency
- Flow rates to 50 gpm.
- 6.25-inch diameter and 24-inch length
- Fits into Rosedale Model 8-30, Multiple-bag housings, Polypropylene, and Multi-cartridge housings

**Flow Rate Vs.  $\Delta P$**



### Dirt Holding Capacity

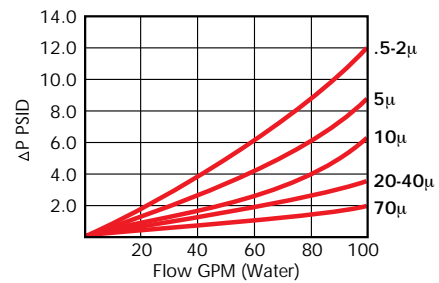
12 (Platinum Series #2 bag)



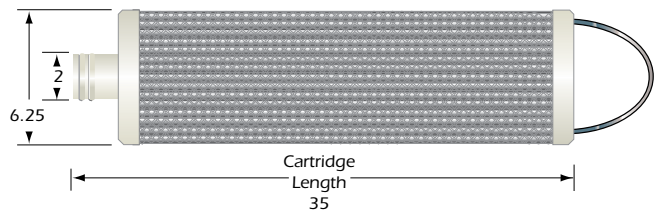
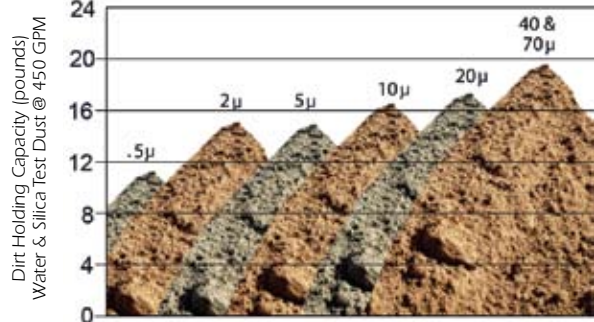
## Platinum 700

- 100 sq. ft. of surface area maximum
- 20 lbs. (approx.) of dirt carrying capacity
- Rated 0.5 micron to 70 micron @  $\beta 5000$  or 99.98% efficiency
- Flow rates to 100 gpm.
- 6.25-inch diameter and 35-inch length
- Fits into Rosedale Model 8135, Polypropylene, and Multi-cartridge housings

**Flow Rate Vs.  $\Delta P$**



### Dirt Holding Capacity

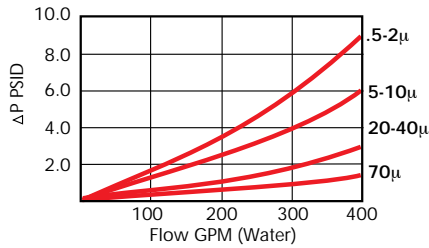


See Platinum Filter Housings on page 70

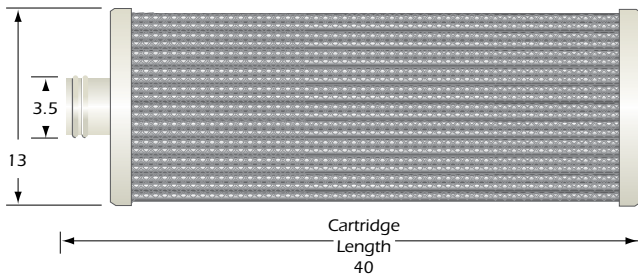
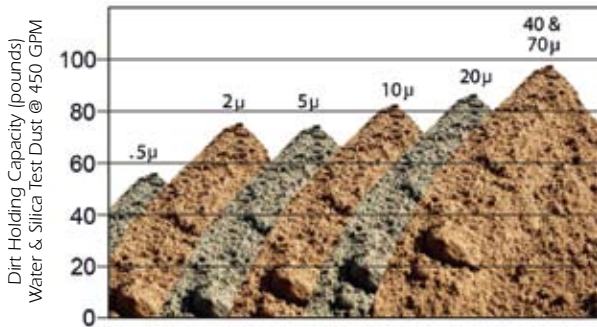
## Platinum 900

- 400 sq. ft. of surface area maximum
- 100 lbs. (approx.) of dirt carrying capacity
- Rated 0.5 micron to 70 micron @  $\beta 5000$  or 99.98% efficiency
- Flow rates to 400 gpm
- 13-inch diameter and 40-inch length
- Rosedale housings can hold multiple cartridge elements

**Flow Rate Vs.  $\Delta P$**



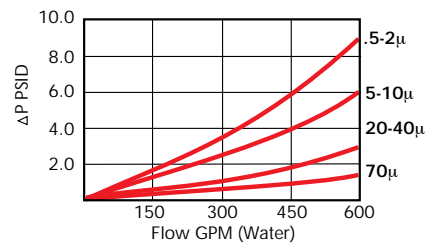
**Dirt Holding Capacity**



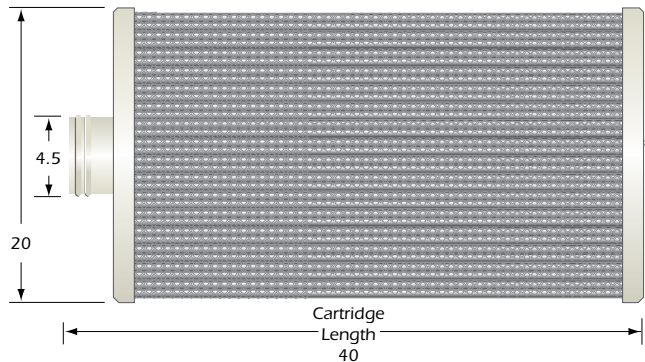
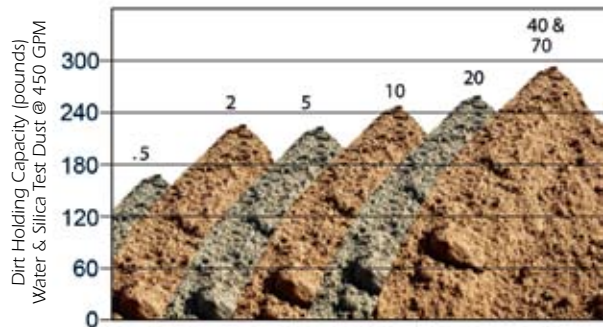
## Platinum 2040

- 1150 sq. ft. of surface area maximum
- 250 lbs. (approx.) of dirt carrying capacity
- Rated 0.5 micron to 70 micron @  $\beta 5000$  or 99.98% efficiency
- Flow rates to 600 gpm
- 20-inch diameter and 40-inch length
- Rosedale housings can hold 1 element

**Flow Rate Vs.  $\Delta P$**



**Dirt Holding Capacity**




## How To Order

Build an ordering code as shown in the example

Example: PS - 520 - P241

<p>PLATINUM SERIES = PS</p> <p>MICRON RATING Series 500 (99.98%)</p> <p>*0.5 Micron = 520 *2 Micron = 521 5 Micron = 523 10 Micron = 525 20 Micron = 527 40 Micron = 528 70 Micron = 529</p> <p>Series 700 @ Beta 5000</p> <p>*0.5 Micron = 740 *2 Micron = 741 5 Micron = 743 10 Micron = 745 20 Micron = 747 40 Micron = 748 70 Micron = 749</p> <p>Series 900 @ Beta 5000</p> <p>*0.5 Micron = 940 *2 Micron = 941 5 Micron = 943 10 Micron = 945 20 Micron = 947 40 Micron = 948 70 Micron = 949</p> <p>Series 2040 @ Beta 5000</p> <p>*0.5 Micron = 2040 *2 Micron = 2041 5 Micron = 2043 10 Micron = 2045 20 Micron = 2047 40 Micron = 2048 70 Micron = 2049</p>	<p>LENGTH</p> <p>Series 500 241 = Length (24" OAL)</p> <p>Series 700 356 = Length (35" OAL) Seal-6 (EPR 226 O-Ring)</p> <p>Series 900 and 2040 405 = Length-40" Seal-5 (235 EPR O-Ring)</p> <p>FILTER MEDIA</p> <p>P = Polypropylene G = Glass R = Polyester C = Cellulose</p>
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\*\*520 and 700 Series

\*0.5 and 2.0 micron ratings are not available in polyester or cellulose.

\*\*Use with Model 8 or Multi-Bag Housings