

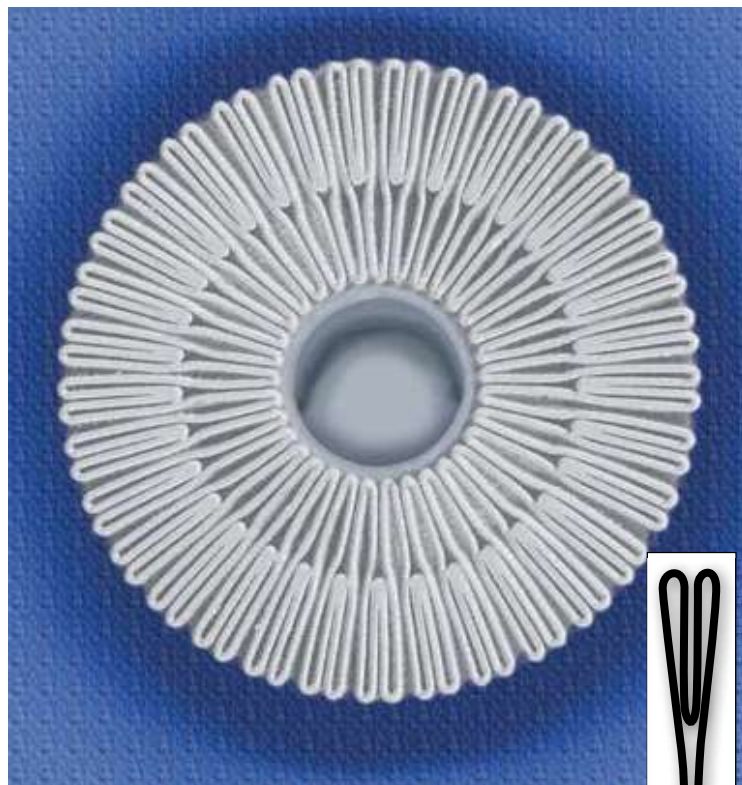
Platinum Series ABSOLUTE-RATED Bag-Sized Cartridges Maximum dirt-holding capacity

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

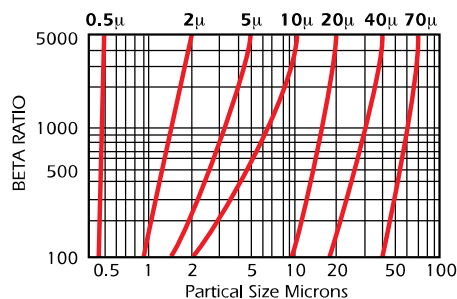
This design uses only the highest quality materials and most advanced manufacturing processes. The end caps are heat sealed for high efficiency performance. The o-ring seal insures sealing and eliminates bypass.



The "Y" pleat maximizes effective surface area.



Rosedale BETA Curves



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

$$\text{Filter Efficiency (\%)} = \left[\frac{(\beta - 1)}{\beta} \right] \times 100\%$$

Beta Ratio (β)	100	1000	5000
Filter Efficiency (%)	99.00	99.90	99.98

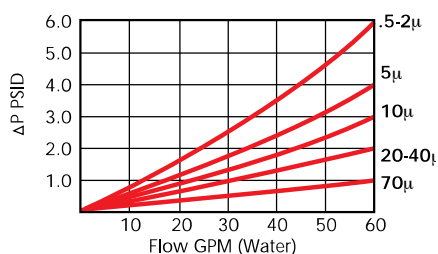
Each filter element will have a different Beta Ratio for every specified particle size. The determination of a variety of Beta values for the same filter provides a filter efficiency profile commonly referred to as a Beta Curve.



R Platinum 500

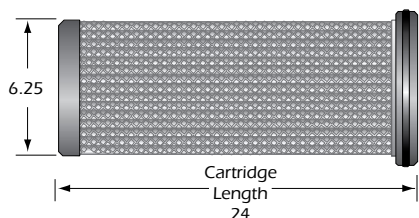
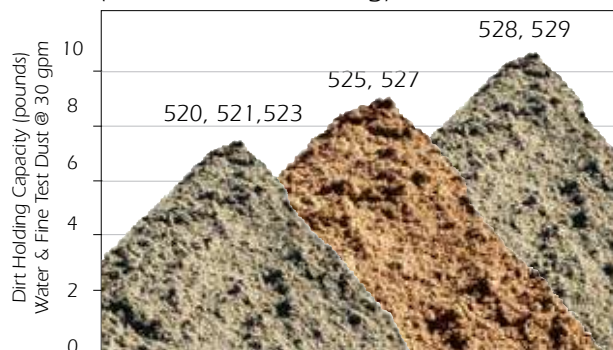
- 68 sq. ft. of surface area maximum
- 12 lbs. (approx.) of dirt carrying capacity
- Rated 0.5 micron to 70 micron @ β 5000 or 99.98% efficiency
- Flow rates to 50 gpm.
- 6.25-inch diameter and 24-inch length
- Fits into Rosedale Model 8-30, Multiple-bag housings, Polypropylene, and Multi-cartridge housings

Flow Rate Vs. ΔP



Dirt Holding Capacity

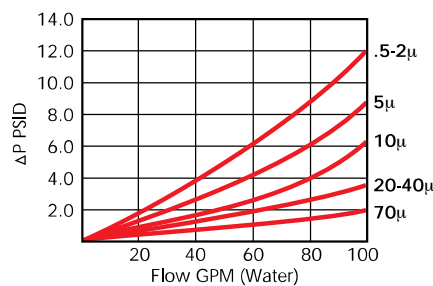
(Platinum Series #2 bag)



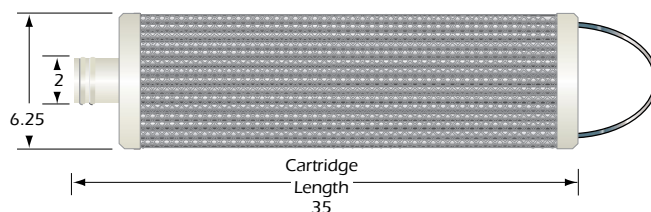
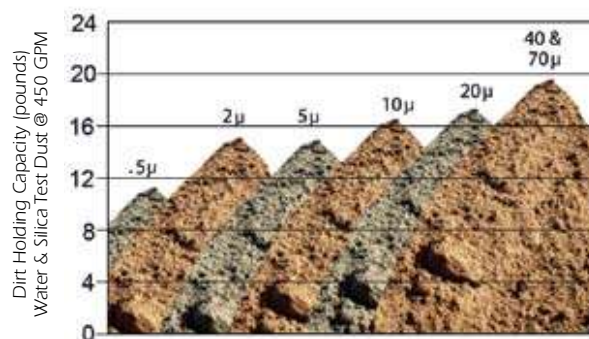
Platinum 700

- 100 sq. ft. of surface area maximum
- 20 lbs. (approx.) of dirt carrying capacity
- Rated 0.5 micron to 70 micron @ β 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. ΔP



Dirt Holding Capacity

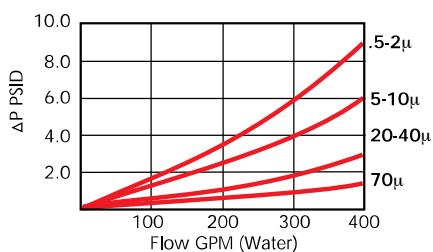


See Platinum Filter Housings on page 70

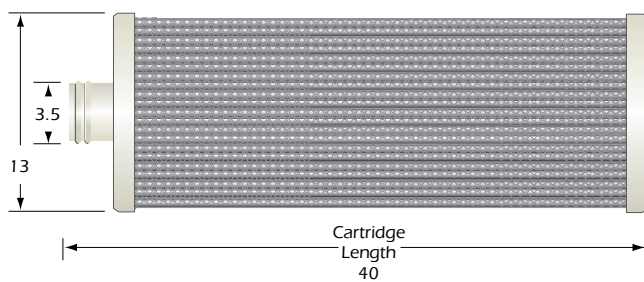
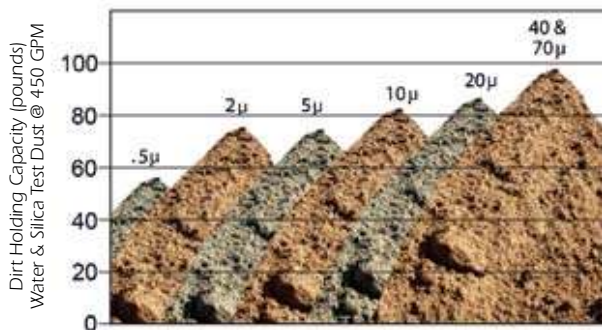
Platinum 900

- 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. ΔP



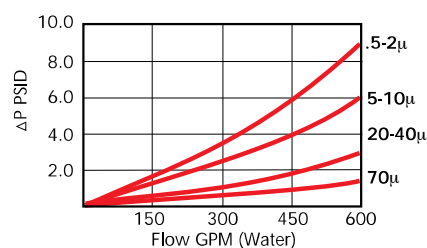
Dirt Holding Capacity



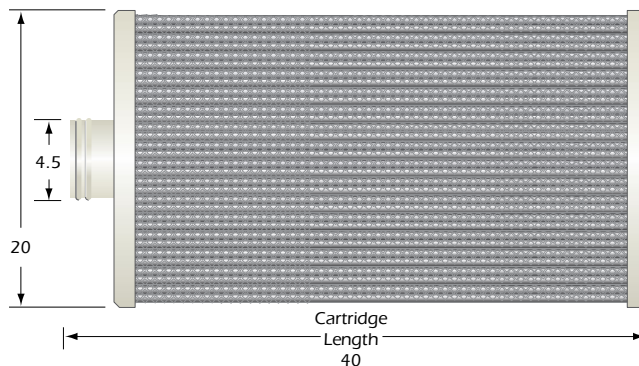
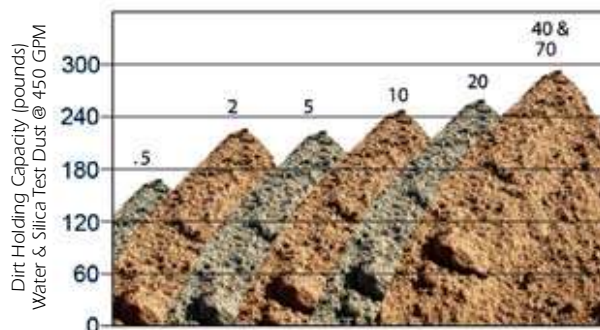
Platinum 2040

- 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. ΔP



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