



520 PLATINUM Series

ABSOLUTE RATED FILTERS

The Cost Effective Approach to Quality Filtration

FTC introduces its new 520 PLATINUM Series absolute rated pleated bag.

This unique design, U.S. Patent No. 5824232, uses segregated flow channels and flow chambers to maximize the effective surface area of the pleated filter media within a 6.25 inch OD bag. Combining this design with the technique of pleating several different filter media together in a single pleat pack maximizes dirt holding capacity. One PLATINUM Series bag is designed to have the dirt holding capacity of 10 standard 500 Series #2 bags.

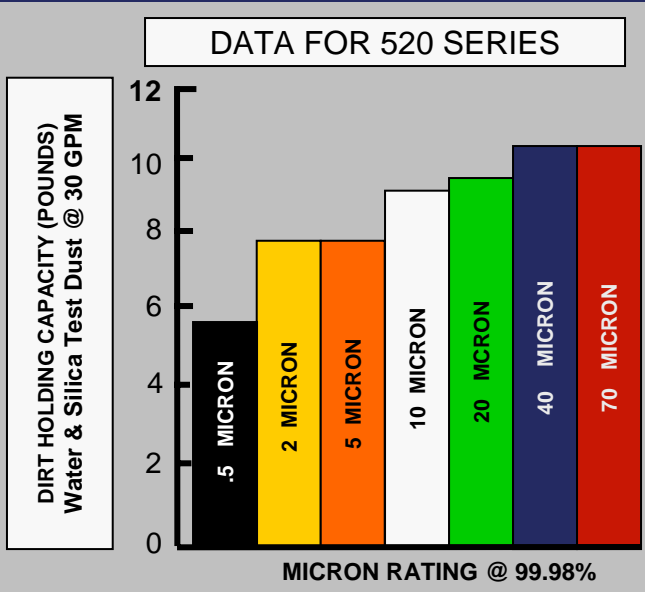
The PLATINUM Series bag, designed to seal inside existing bag housings without modification, is available in different filter media to meet industry standards and chemical compatibility.

With a recommended maximum flow rate of 50 GPM, this FTC PLATINUM Series bag filter is the solution to achieving optimum performance while minimizing filtration costs.



FILTRATION COST EFFICIENCY

DIRT HOLDING CAPACITY



INCREASING FILTER LIFE

DOUBLING FILTER SURFACE AREA CAN INCREASE FILTER LIFE UP TO FOUR TIMES:

FILTER LIFE INCREASE =

$$\frac{Le}{Lo} = \left(\frac{Ae}{Ao} \right)^N$$

- Le = Extended Filter Life
 - Lo = Original Filter Life
 - Ae = Expanded Filter Area
 - Ao = Original Filter Area
- 1 ≤ N ≤ 2

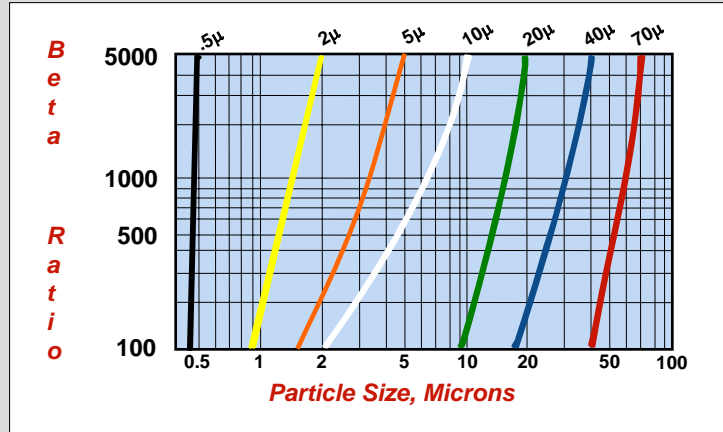
FILTER EFFICIENCY

$$\text{Beta Ratio} = \frac{\text{Upstream Particle Count at Specified Size \& Larger}}{\text{Downstream Particle Count at Specified Size \& Larger}}$$

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:

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

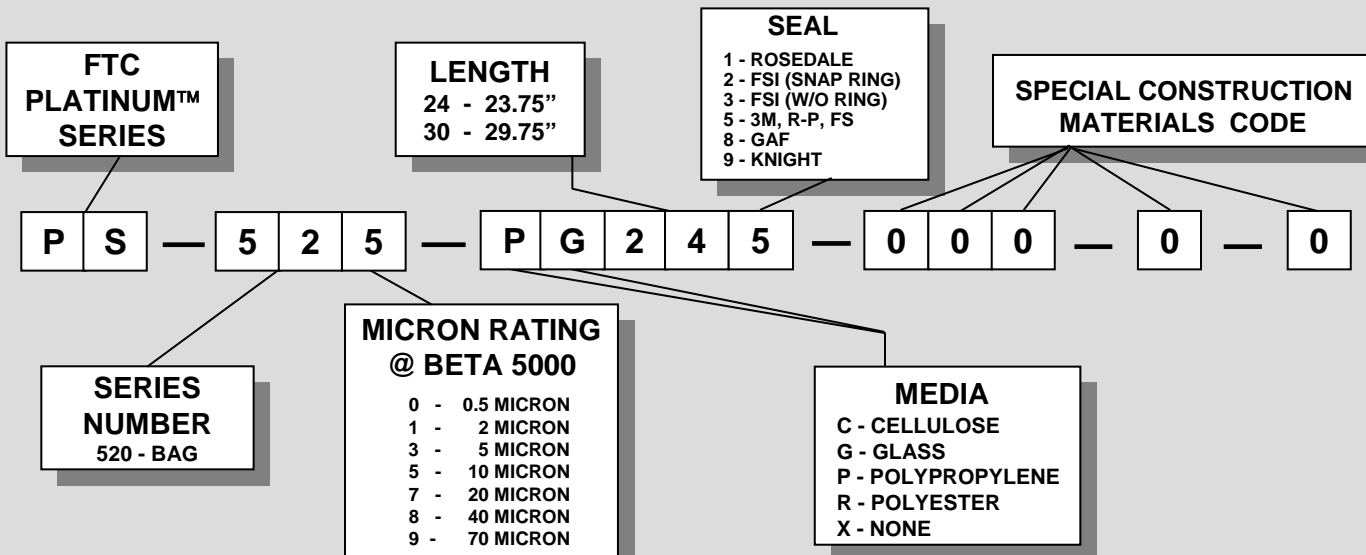
Beta Ratio (β)	Filter Efficiency (%)
100	99.00
1000	99.90
5000	99.98



FTC BETA CURVES

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.

CARTRIDGE CODING



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FORM PS-500 6/07

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