



**650 PLATINUM BAGS
HIGH PERFORMANCE**

The Cost Effective Approach to Quality Filtration

FTC introduces its new 650 PLATINUM Series, absolute rated, pleated bag. With 99.98% removal efficiency, it is available in filtration ranges from 0.5 to 70 microns.

This unique design, U.S. Patent No. 5824232, uses segregated flow channels and flow chambers to provide up to 59 sq. ft. of effective filter media surface area within the space constraints of a standard basket. Combining this design with the technique of pleating several different filter media together in a single pleat pack maximizes dirt holding capacity.

The 650 PLATINUM High Performance bag is designed to seal inside existing bag housings without equipment modification. It is available in different filter media to meet industry standards and chemical compatibility.

With a recommended maximum flow rate of 50 GPM and 35 PSID, this 650 PLATINUM Series filter bag is the solution to achieving optimum performance while minimizing filtration costs.

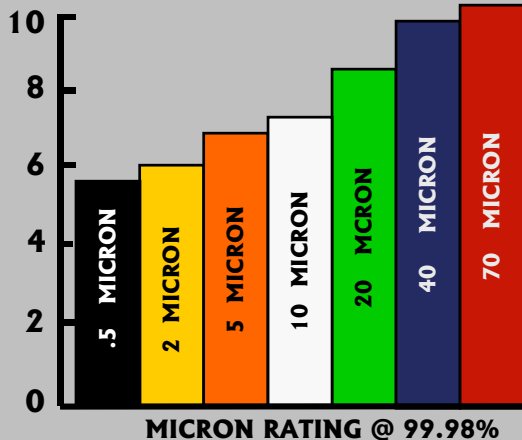


FILTRATION COST EFFICIENCY

DIRT HOLDING CAPACITY

DATA FOR 650 PLATINUM BAG
POLYPROPYLENE MEDIA

DIRT HOLDING CAPACITY (POUNDS)
Water & Silica Test Dust @ 50 GPM



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

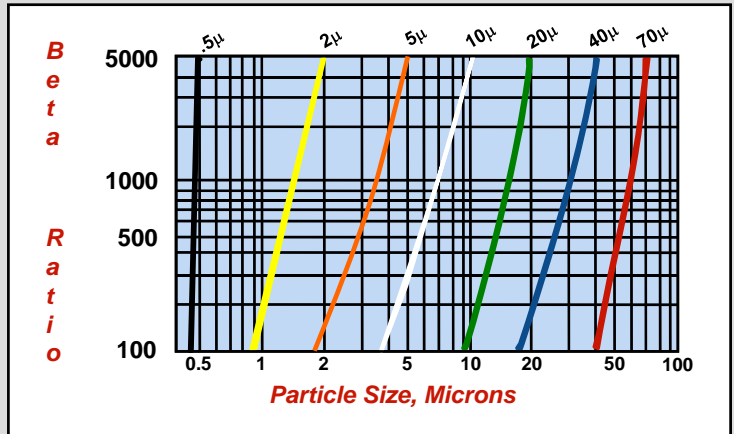
$$\text{Beta Ratio} = \frac{\text{Upstream Particle Count at Specified Size \& Larger}}{\text{Downstream Particle Count at Specified Size \& Larger}}$$

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:

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

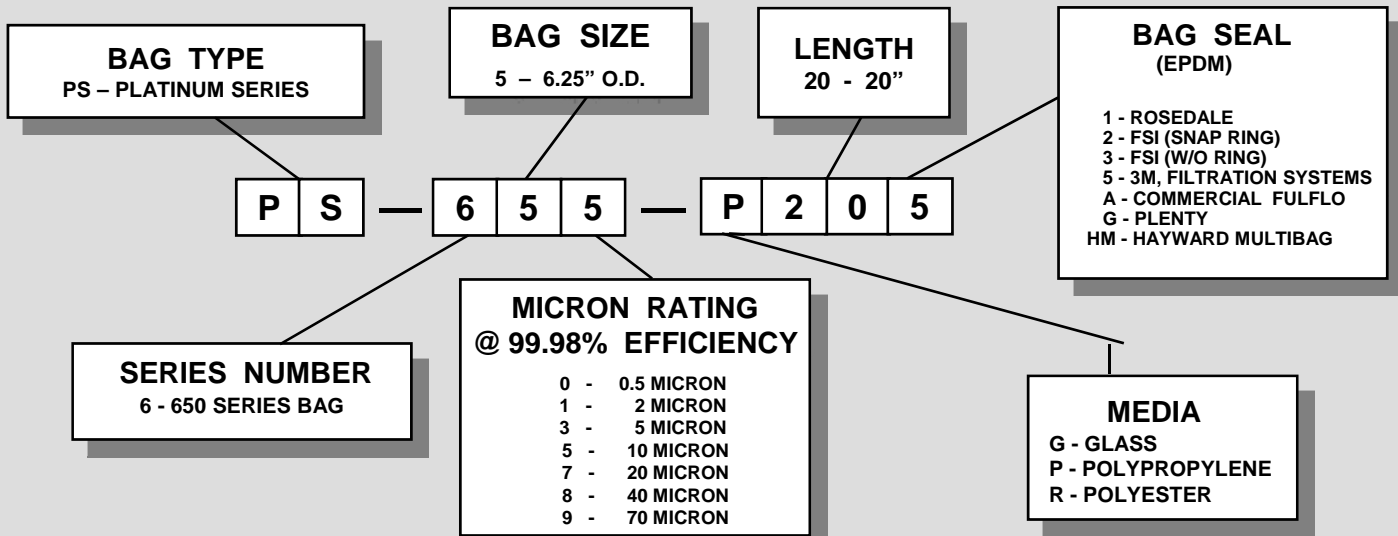
Beta Ratio (β)	Filter Efficiency (%)
100	99.00
1000	99.90
5000	99.98

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.



FTC BETA CURVES

PLEATED BAG CODING



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Distributed by :



Clearflow Environmental Solutions

292 W. Etienne Rd..

Maurice, LA 70555

(337) 898-3667 FAX: (337) 898-3669

www.clearflow-inc.com