

The Cost Effective Approach to Quality Filtration

FTC introduces its new DPU-600 DEEP PLEAT Series, absolute rated, alternative filter element. With a 99.98% removal efficiency, it is available in filtration ranges from 0.5 to 70 microns, and is designed for low solids applications requiring high flow rates.

The unique design of this pleated element provides a large effective filter surface area within the space constraints of a standard 6" cartridge diameter. Dirt holding capacity is maximized by combining several media layers together in a single pleat pack, while flow is maximized through the use of a large ID core.

The FTC DPU-600 DEEP PLEAT Series element is designed to fit inside existing housings and provide an o-ring seal without housing modification. It is available in a variety of filter media to meet industry standards and chemical compatibility.

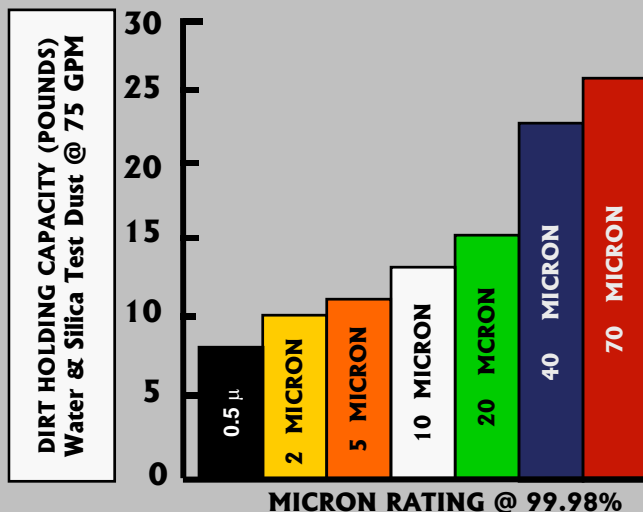
With recommended flow rates of up to 120 GPM, the DPU 600 DEEP PLEAT Series element can accommodate high flow rates, thus providing optimum performance at minimized filtration costs.



FILTRATION COST EFFICIENCY

DIRT HOLDING CAPACITY

DATA FOR DPU-660 ELEMENTS



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
 $1 \leq N \leq 2$

FILTER EFFICIENCY

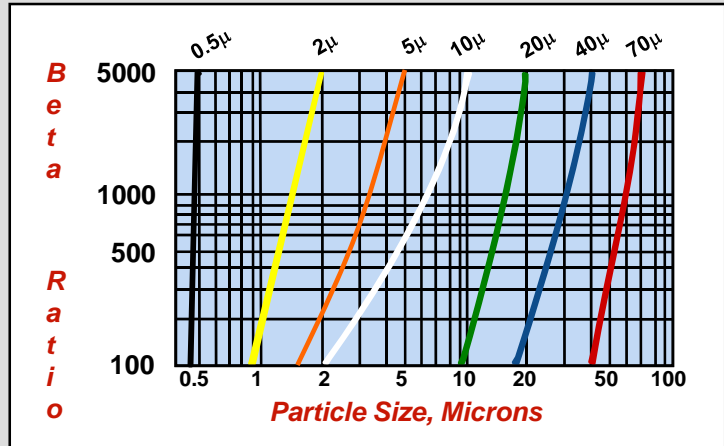
$$\text{Beta Ratio} = \frac{\text{Upstream Particle Count at Specified Size \& Larger}}{\text{Downstream Particle Count at Specified Size \& Larger}}$$

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:

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

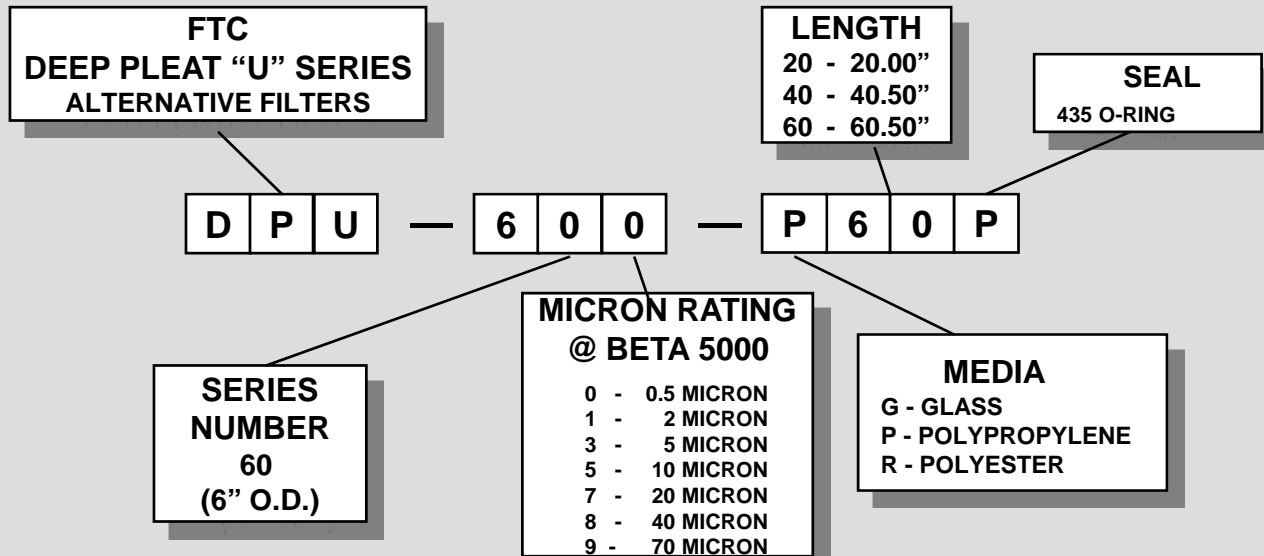
Beta Ratio (β)	Filter Efficiency (%)
100	99.00
1000	99.90
5000	99.98

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

CARTRIDGE CODING



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FORM DPU-600 7/07

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