



**MAX-OUT DEEP PLEAT
ABSOLUTE RATED FILTERS**

The Cost Effective Approach to Quality Filtration

Filtration & Membrane Technology, Inc. (FMT) introduces its MAX-OUT DEEP PLEAT Series, absolute rated pleated filter cartridge.

The introduction of a specific pre-filtration depth media, in conjunction with more efficient flow channels and flow chambers provides 20-40 times more solids holding than standard bag filters. More effective filtration surface area of the pleated Max-Out filter allows for maximized dirt holding capacity.

One MAX-OUT DEEP PLEAT filter is designed to deliver up to 99.98% filtration efficiency while holding up to 7.2 pounds of contaminants. Available in a wide variety of filter media, this cartridge can be constructed with metal end caps and core for high temperature applications.

With a recommended flow rate of 25 GPM (Maximum 50 GPM) and 35 PSID, this MAX-OUT DEEP PLEAT Series filter is the solution to achieving optimum performance while minimizing filtration costs.



FILTRATION COST EFFICIENCY

DIRT HOLDING CAPACITY

FILTER CODE	POUNDS OF SOLIDS (20" L)	
	POLYPRO	CELLULOSE
C	NA	NA
D	NA	NA
E	4.9	NA
F	5.7	5.4
G	5.7	5.4
H	6.1	5.7
J	6.9	6.3
K	6.9	6.3
L	7.2	6.9
M	7.2	6.9
N	7.8	6.9

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

BETA RATIO EXPLANATION

$$\text{Beta Ratio @ micron rating (x)} = \beta_x$$

$$\beta_x = \frac{\text{IPC}}{\text{EPC}}$$

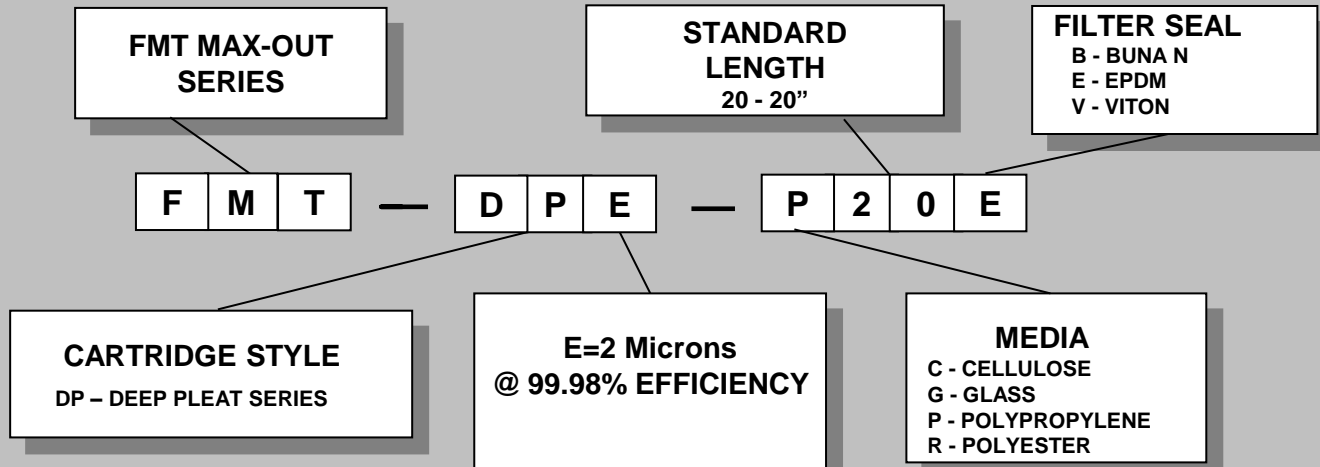
IPC = Influent Particle Count
EPC = Effluent Particle Count

BETA RATIO / EFFICIENCY	
Beta Ratio	Removal Efficiency
100	99.00%
1000	99.90%
5000	99.98%

FILTER EFFICIENCY

FILTER CODE	MICRON RATING	
	@ 99%	@ 99.98%
C	0.1	0.3
D	0.3	0.5
E	1.0	2.0
F	2.0	5.0
G	5.0	10.0
H	10.0	20.0
J	15.0	30.0
K	25.0	40.0
L	40.0	70.0
M	70.0	100.0
N	100.0	135.0

CARTRIDGE CODING



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