



# MAX-OUT PLATINUM SELECT

## ABSOLUTE RATED FILTERS

### The Cost Effective Approach to Quality Filtration

Filtration & Membrane Technology, Inc. (FMT) introduces its new MAX-OUT PLATINUM SELECT Series, absolute rated filter cartridge.

The introduction of a specific pre-filtration depth media, in conjunction with more efficient flow channels and flow chambers, provides amazing results. This combination optimizes the effective filtration surface area of the pleated filter media while maximizing dirt holding capacity.

One MAX-OUT PLATINUM filter is designed to deliver up to 99.98% filtration efficiency while holding up to 11.0 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 and 35 PSID, this MAX-OUT PLATINUM 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	8.0	NA
E	9.1	NA
F	9.8	7.9
G	9.9	8.0
H	10.1	8.7
J	10.1	9.5
K	10.2	9.5
L	9.8	11.0
M	10.8	NA
N	10.8	NA

### INCREASING FILTER LIFE

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

FILTER LIFE INCREASE =

$$\frac{L_e}{L_o} = \left( \frac{A_e}{A_o} \right)^N$$

L<sub>e</sub> = Extended Filter Life  
 L<sub>o</sub> = Original Filter Life  
 A<sub>e</sub> = Expanded Filter Area  
 A<sub>o</sub> = Original Filter Area  
 1 ≤ N ≤ 2

# FILTER EFFICIENCY

## BETA RATIO EXPLANATION

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

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

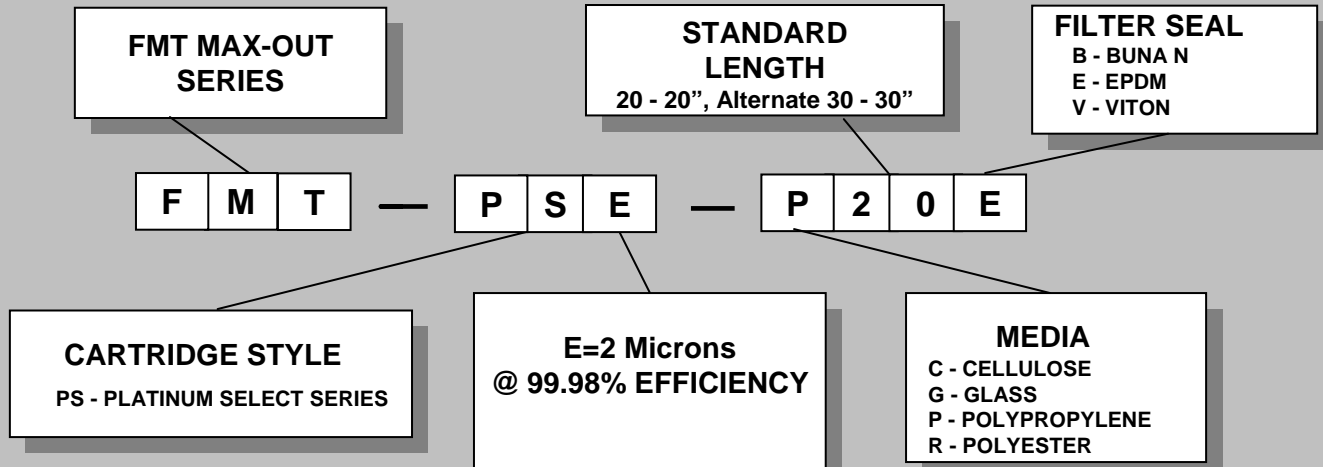
IPC = Influent Particle Count  
EPC = Effluent Particle Count

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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