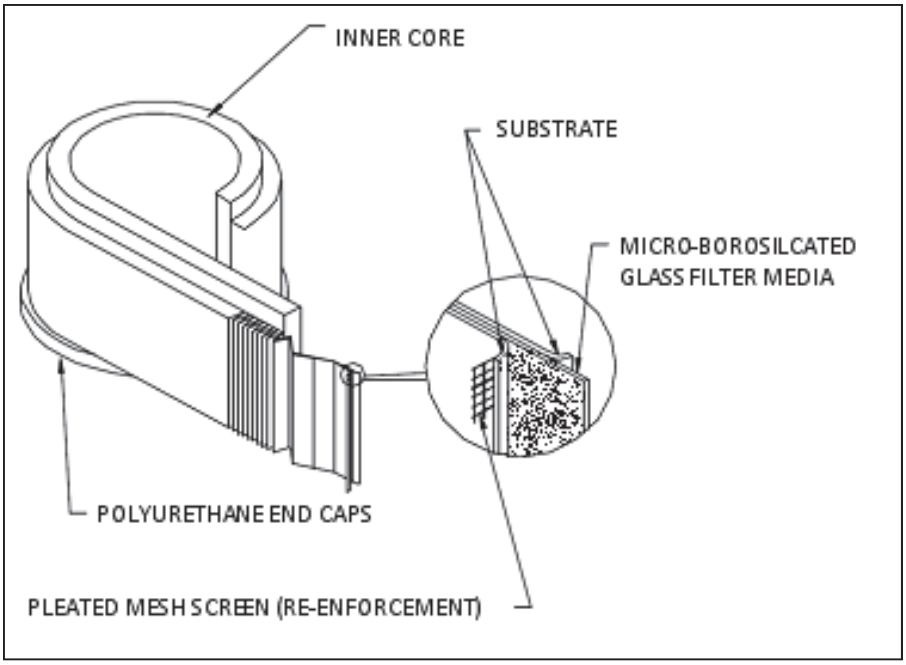
TM'S GFC CLEANABLE GAS COALESCING ELEMENTS

PATENT NO. 7,332,010

EFFICIENCES OF ELEMENT (IN CONSTRUCTED FORM)	
Liquid Removal	99.99% of 0.3 µ and larger particles
Solid Removal	99.995% of 0.3 µ and larger particles

MAXIMUM TEMP RATING (*CONTACT FACTORY FOR OTHER HIGH TEMP OPTIONS*)
200° F (93° C)



The outer layer of the element is a **Pleated Mesh Screen**, which acts as a re-enforcement.

The **Substrate** is a spun bond polyester, which acts as a solid particulate filter layer (3 micron).

The **Micro Borosilicate Glass** is the coalescing filtration layer (3 micron absolute).

The **Inner Core** is a polypropylene tube which is designed to polish the Gas. This also functions as a liquid barrier, that only allows gas to pass.

GLASS FILTER MEDIA ANALYSIS				
TYPICAL PROPERTIES	STANDARD UNITS		METRIC UNITS	
Caliper (Thickness measured at 8psi)	22	mils	0.56	mm
Resistance	40	mm	391	Pa
Frazier	3.7	cfm	1.8	cc/sec/cm²
Mean Flow Pore	4	micron	4	micron
Flat Sheet Multipass Efficiency – Beta 200	< 4	micron	< 4	micron
Flat Sheet Multipass Efficiency – Beta 1000	< 4	micron	< 4	micron
DOP Penetration	0.016	%	0.016	%

NOTE: Caliper Test :The thickness measured at a specific pressure. Frazier Test : The column of air, in CFM , that can flow through 1 square foot of media 0.5 W.G. pressure drop . Mean Flow Pore : The average particle size. Flat Sheet Multipass Efficiency: Beta 200 or 1000: Size of contaminant that can be captured with a efficiency of 99.5% for Beta 200, and 99.95% for Beta 1000. DOP Penetration test: 0.3 micron particle @ 32 l/min/cm2