

*Filtration*  
SYSTEMS INC.



ISO 9001:2000

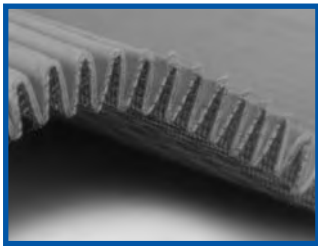
PLEATED FIBERGLASS  
COALESCERS

# PLEATED COALESCERS

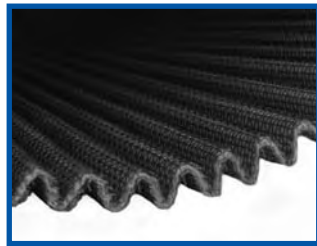
Filtration Systems makes a wide range of fiberglass filter coalescers for natural gas purification. The microfiberglass media is pleated for extended surface area and reinforced to withstand rigorous use.

These filters are designed for inside-out flow, which enhances the coalescing process via velocity-reduction. The pleat pack is secured with a steel outer cage to prevent rupture.

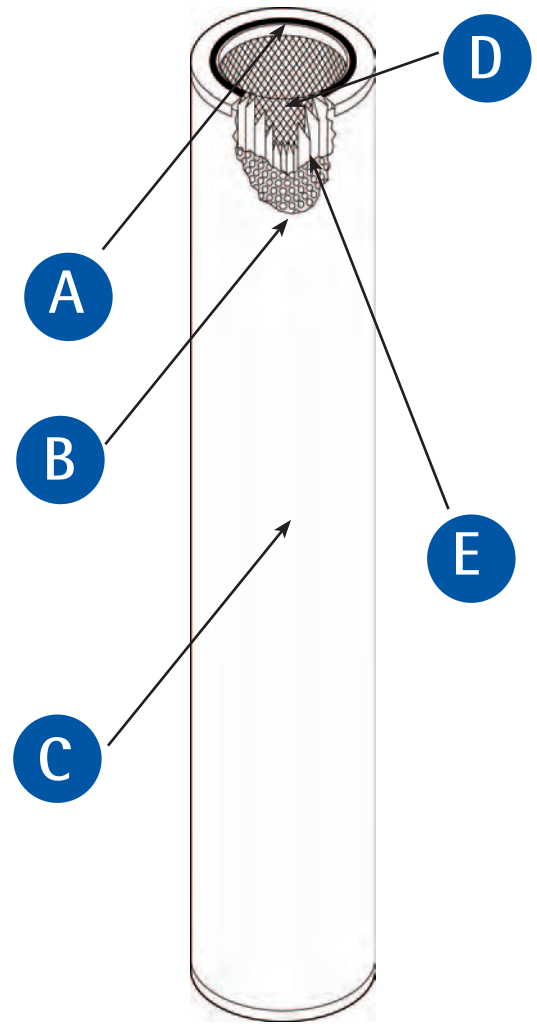
A polyester felt outer drainage layer prevents reintrainment of the liquid droplets.



*Paper-Backed Pleat Pack*



*Screen-Reinforced Pleat Pack*



**A** Buna-N or Viton gaskets provide positive seals against leakage.

**B** Welded steel cages prevent rupture.

**C** Polyester felt provides liquid drainage.

**D** Optional center tubes for added strength.

**E** Multi-layered microfiberglass and synthetic media remove both solid and liquid contaminants.



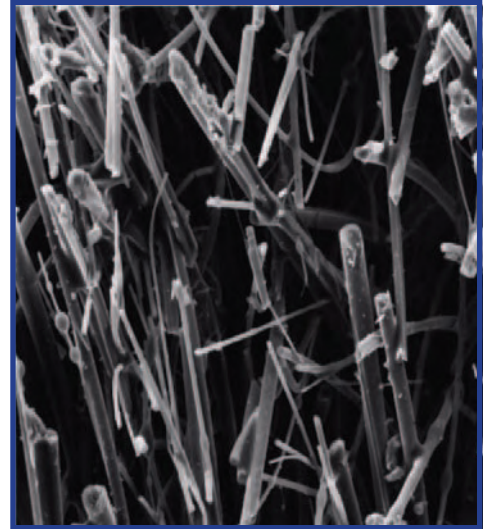
*Our Computer-Controlled Pleater is the finest in the industry*



# MICROFIBERGLASS MEDIA

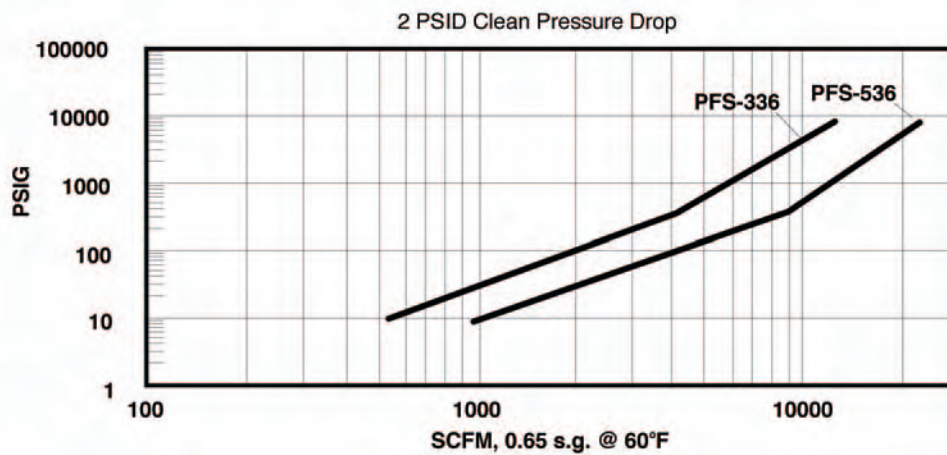
Filtration Systems' microfiberglass pleated media is designed for optimum performance for natural gas filtration. Its fine fiber diameters provide for high flow rates and excellent particulate removal efficiencies.

Microfiberglass is also an excellent coalescing medium for removing water and liquid hydrocarbons from natural gas. The glass fibers have high surface charges, which capture the liquids from the gas stream. These charges, along with its "wettability" provide for the proper contact angles in the fiber matrix, allowing meniscus-formation and droplet enlargement - "coalescence."

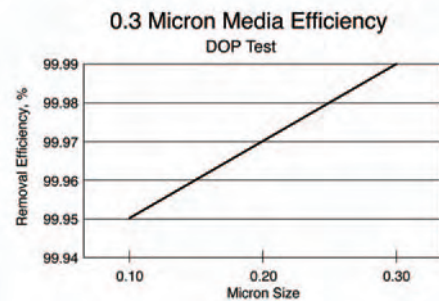
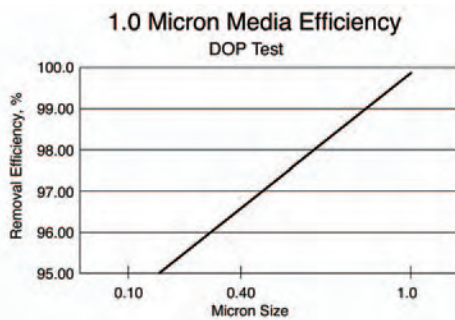


Microfiberglass 200x

## Flow Rates vs. Working Pressure



## Efficiency Ratings



## End Configurations



Flat Gasket



Closed, Bolt-Hole



Double O-Ring



Internal O-Ring

## NOMENCLATURE CHART

# PFS-536-V-03-F-CE

MEDIA TYPE	
PP	Pleated Paper
PPF	Pltd. Paper + Fiberglass
PPS	Pltd. Paper + Screen
PFS	Pltd. Fiberglass + Screen

SPECIAL CONSTRUCTION <small>(can use more than one)</small>	
CE	Closed End w/bolt hole
EXT	Extension, one end
BR	Bridge on one end

DIAMETER	
2	2.5" O.D.
---	3.62" O.D.
3	4.67" O.D.*
4	3.75" O.D.
5	5.5" O.D.**
55	5.5" O.D.
6	6.0" O.D.

\* Peco-style  
\*\* Peerless-style

LENGTH
12"
24"
29"
30"
36"
72"

OUTER WRAP	
---	Cotton Sock
F	Polyester Felt

MICRON RATING	
03	.3 $\mu$ , Absolute
1	1 $\mu$ , Absolute

GASKETS	
B	Nitrile
V	Fluorocarbon



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LOCAL DISTRIBUTOR:



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