

# CelluPleat™

## Industrial Pleated Cellulose Elements

### Small Diameter

CelluPleat elements provide efficient and economical filtration of fluids in a wide range of applications. These industrial filter elements are used for removal of particulate where nominal filtration is sufficient. The CelluPleat series provides optimal dirt holding capacity, high flow rates and low initial pressure drop. They are manufactured using pleated, resin impregnated cellulose or glass/cellulose blended medias that are heat cured for strength and durability.



### THE BOTTOM LINE

- **Durable Construction**  
Corrosion resistant steel hardware and resin bonded, heat cured filter media make CelluPleat an excellent choice for the most demanding industrial applications. No worries about shipping and handling damage, media migration, or other media failures under normal operating conditions. Don't accept anything less, and your productivity and profitability will show the results.
- **Continuous Lengths**  
CelluPleat elements are available in continuous lengths up to 56 inches, eliminating the need to stack elements in filter vessels. Stacked elements can be pain-staking to install and remove and may leak contaminant to the clean side of the vessel while under operational stresses. Avoid the high cost of equipment damage, contaminated process streams and labor associated with these problems. Install a single CelluPleat in place of the stack and rest assured that your process and budget are protected.
- **Common Sizes and End Cap Styles**  
Easy installation in existing vessels without modifications saves costly downtime and maintenance expenses associated with vessel modifications.
- **The Choice is Yours**  
PECOFacet is an industry leader in fluid filtration products. Don't get locked into a single source. Adding PECOFacet to the supplier list for all your filtration needs will ensure your access to the best products at competitive prices. CelluPleat elements are made with quality materials in an ISO certified manufacturing environment. Performance and structural integrity are backed by a no-nonsense factory warranty. Send us the manufacturer model number and we'll do the rest.

### APPLICATIONS

- Chemicals, Resins and Solvents
- Coolants
- Cooling & Process Water
- Amines / Glycols
- Hydraulic Oils
- Power Generation
- Pulp & Paper
- Petroleum Refining Applications
- Lube Oils and Seal Oils

## SPECIFICATIONS

### MATERIALS

- **MEDIA** resin impregnated pleated cellulose
- **CORE** steel (galvanized or tin plated)
- **END CAPS** steel (galvanized or tin plated)
- **OUTER COVER** steel (galvanized or tin plated)
- **GASKETS** buna-n
- **OPTIONS** media blends / gasket materials / outer cotton sock / special adhesives

### OPERATING DATA

Max Temp. [F]	pH Range	Max D.P. <sup>1</sup> [psid]
240	5 - 9	75

- Recommended change-out DP is 20 psid
- Normal flow direction is outside to inside

### NOMINAL DIMENSIONS

Model	O.D. [in.]	I.D. [in.]	Length [in.]
FI-209-μ	2.5	1.0625	9.875
FI-209-μ-3	2.5	1.0625	9.6875
FI-229-μ	2.5	1.0625	29.25
FI-230-μ	2.5	1.0625	29.625
FI-318-μ	3.0	1.56	18
FI-318-μ-WS	3.0	1.56	36.75
FI-336-μ	3.0	1.56	36
FI-336-μ-WS	4.0	1.625	36.75
FI-412-μ	4.0	1.625	12.25
FI-424-μ	4.0	1.625	24.25
FI-456-μ	4.0	1.625	56.00

**OTHER SIZES  
& CONFIGURATIONS  
AVAILABLE**



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### PARTICLE RETENTION

- **Efficiency:** 98%
- **Grade [µm]:** Glass/Cellulose 0.5, 1, 3  
Cellulose 1, 3, 5, 10, 15, 20, 30, 40, 50, 75, 100

### NOTES

1. Max. D.P. may be limited by vessel manufacturer's design.

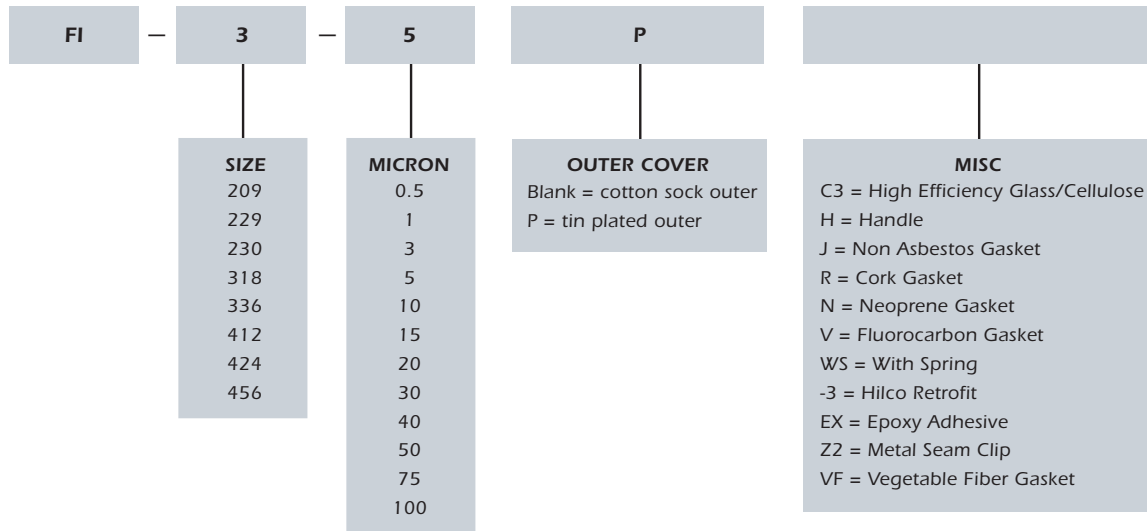
### SURFACE AREA

Model	Surface Area [in.²]
FI-209-µ	492
FI-209-µ-3	492
FI-229-µ	1500
FI-230-µ	1520
FI-318-µ	956
FI-318-µ-WS	956
FI-336-µ	1907
FI-336-µ-WS	1870
FI-412-µ	1171
FI-424-µ	2341
FI-456-µ	8780

### REPLACEMENT OPTION FOR

- Allen
- Banner
- Commercial
- Cooper/Bessemer
- Cuno
- Delaval
- Fleetlife
- Filter-Fab
- Filter-Mart
- Filtration Systems, Inc.
- Flo Line
- Fluitek
- Fram
- G.E.
- Guardian
- Hilco
- Hoffman-Allen
- Jonell
- Kaydon/Keene
- Murphy Brothers
- Nelson/Winslow
- Nugent
- Oliver
- Parker
- Phoenix
- Porous Media
- Racor
- Refilco
- Royal
- Texas Filtration
- United Engine Life
- Velcon
- Others

### ORDERING INFORMATION



- Not all combinations are available. Consult Customer Service for verification if necessary.



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