

Tuff-Pleat™

Pleated Synthetic Elements

Large Diameter, Reinforced

How tough is it? Tuff-Pleat is manufactured with proprietary blends of polyester and microglass media supported with epoxy coated steel reinforcement and corrosion resistant steel hardware. This construction increases the element's structural strength and prevents pleat deformation that can lead to less than optimal media utilization. Synthetic medias are well known for their resistance to swelling in aqueous solutions, have outstanding chemical compatibility and high dirt holding capacities. Combine these properties in a single element and you have the Tuff-Pleat. That is one tough filter.

THE BOTTOM LINE

- Avoid Damage Caused by Element Structural Failures**
 The strength and durability of the Tuff-Pleat puts it in class above ordinary pleated cellulose or synthetic elements. The reinforced filter media can withstand vibrations, surges and impacts with less risk of damage. Damaged media is blocked from contaminating the downstream process fluid by epoxy coated wire pleat reinforcement. Corrosion resistant steel hardware reduces risks of structural hardware failure that could leave your process exposed to contamination and filter debris. Rest assured that your products, process and equipment will not suffer costly contamination caused by the structural failure of the element meant to protect it. Install Tuff-Pleat elements today.
- Extended Service Life**
 The Tuff-Pleat's wire screen pleat reinforcement ensures thorough usage of the filter media, translating into fewer element change-outs and reduced operations and maintenance costs. Our proprietary polyester and microglass media blends offer high dirt holding capacity, low initial pressure drop and a slow differential pressure growth. Therefore, expect longer service life and lower energy demands.
- 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 of your fluid filtration needs will ensure your access to the best products at competitive prices. Tuff-Pleat 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

- Natural Gas Industry**
 well completion fluids, produced water, lube oil, glycol, amine, cooling water, hydraulic fluid
- Refining**
 lube oil, hydraulic fluids, process water, feed stocks, amine, cooling water, stripping and leaching water, boiler feed water
- Pulp & Paper**
 liquor, white water, trim jet water, lube oil, cooling water, boiler feed water, hydraulic fluid
- General Industrial**
 chemicals, coolants, petroleum oils, non-potable water, plating solutions



SPECIFICATIONS

MATERIALS

- MEDIA** microglass, microglass/polyester blend or polyester
- SUPPORT MEDIAS** epoxy coated aluminum screen
- CORE** steel (galvanized or tin plated)
- END CAPS** steel (galvanized or tin plated)
- GASKETS** buna-n
- OPTIONS** gasket material, steel outer support

OPERATING DATA

Max Temp. [F]	pH Range	Max D.P. ¹ [psid]
275	3-10	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.]
FIS-209-μ	2.5	1.0625	9.875
FIS-209-μ-3	2.5	1.0625	9.6875
FIS-511-μ	4.5	1.75	11
FIS-518-μ-3	4.5	2.625	18
FIS-618-μ	6.0	3.5	18
FIS-636-μ	6.0	3.5	36
FIS-718-μ	6.0	2.625	18.0
FIS-718-μ-1	6.0	2.25	18
FIS-718-μ-3	6.0	3.1875	18
FIS-7618-μ	6.0	2.625 X 3.5	18
FIS-736-μ	6.0	2.625	36
FIS-7636-μ	6.0	2.625 X 3.5	36

- Other sizes & combinations available upon request.

SURFACE AREA

Model	Surface Area [ft ²]
FIS-209-μ	2
FIS-209-μ-3	2
FIS-511-μ	6.5
FIS-518-μ-3	11
FIS-618-μ	20.5
FIS-636-μ	36
FIS-718-μ	20.5
FIS-718-μ-1	20.5
FIS-718-μ-3	20.5
FIS-7618-μ	20.5
FIS-736-μ	41
FIS-7636-μ	36

REPLACEMENT OPTION FOR

- Hilliard / Hilco PH Series
- Refilco PLH Series
- Royal RSLH & RSL Series
- Others

VESSELS

- Facet M Series
- Hilco
- Hilliard
- Nugent
- Parker
- PECO 55, 65, RFF, 56, 66, RGG (custom build)
- Rosedale
- Others

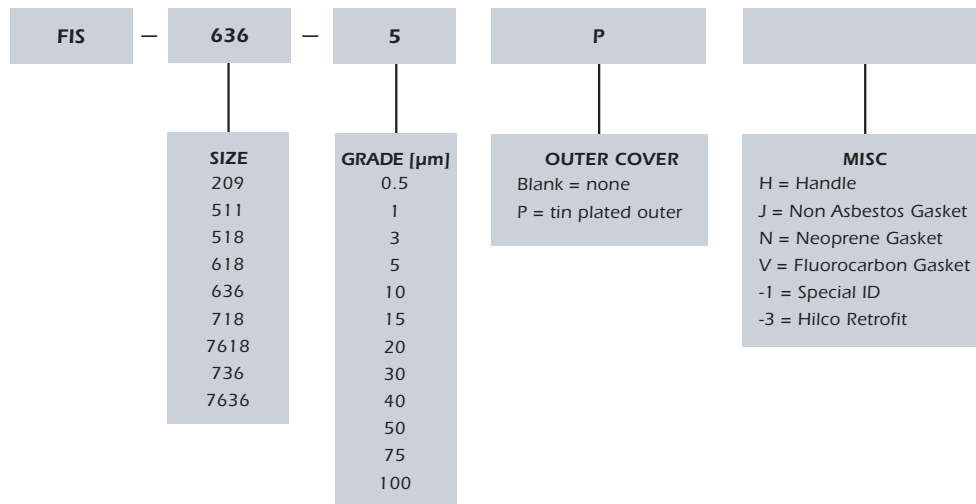
PARTICLE RETENTION

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

NOTES

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

ORDERING INFORMATION



- Not all combinations are available. Consult customer service for verification if necessary.