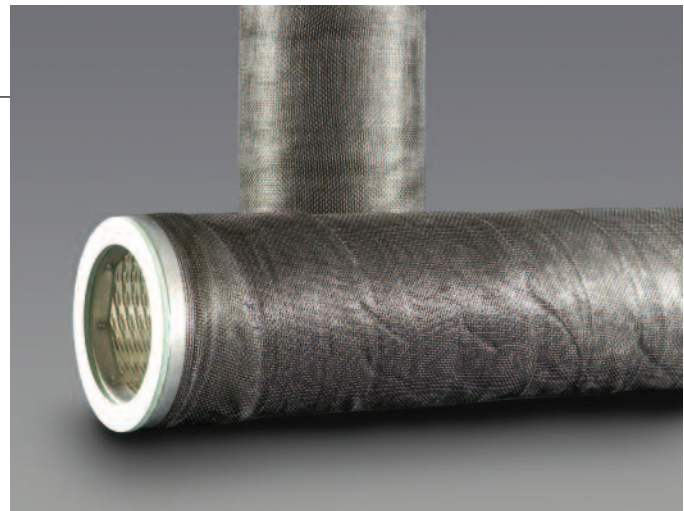


FibrSep™ HTO

Fiberglass Filter Separator Elements

For High Temperature Applications

Remove particulate and liquid droplets from high temperature air/gas streams with the FibrSep HTO. Constructed with high temperature media, fiber gaskets and steel hardware, it is resistant to temperature up to 550 degrees Fahrenheit. As a part of a well designed supply system the FibrSep HTO will ensure clean, dry air/gas to your high temperature process, helping to maintain optimum operational metrics. FibrSep HTO elements are also for use in dry gas filter vessels when contaminants are shear-sensitive (sludge, waxes, gels, asphaltenes, etc.)



THE BOTTOM LINE

- Quality Construction**
 FibrSep HTO elements are manufactured in an ISO 9001:2000 certified environment that ensures consistency of product quality. Consistent quality means fewer product issues that you have to deal with in the field, improving productivity and reduces downtime.
- Common Sizes and End Cap Styles**
 Easy installation in existing housings without modifications. Saves costly downtime and maintenance expenses associated with housing modifications.
- Built with Safety in Mind**
 At PECOFacet safety is our number one priority. FibrSep HTO elements use metal parts that contain no exposed jagged edges. This prevents injury during handling. The spiral-wound cores are easier and safer to remove from the element support in the event that the elements are over pressurized and crushed. Reduce safety risks, protect personnel, and help your facility achieve safety goals.

APPLICATIONS

- General Industrial**
 vent and exhaust systems
 seal gas
 hot process air/gas
 steam
- Natural Gas Processing**
 Mol Sieve fines filter, regeneration gas

SPECIFICATIONS

MATERIALS

- MEDIA** fiberglass
- MEDIA WRAP** fiberglass cloth
- OUTER COVER** fiberglass screen
- CORE** steel (galvanized or tin plated)
- END CAPS** steel (galvanized or tin plated)
- GASKETS** garlock
- OPTION** stainless steel hardware

OPERATING DATA

Max. Temp. [F]	Max. D.P ¹ [psid]
550	50

- ¹ Recommended change-out DP is 15 psid
- Normal flow direction is outside to inside

NOMINAL DIMENSIONS

Model	O.D. [in.]	I.D. [in.]	Length [in.]
FGGF-312	4.5	3.0	12
FGGF-324	4.5	3.0	24
FGGF-336	4.5	3.0	36

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PARTICLE RETENTION

- **Efficiency:** 98%
- **Grade [µm]:** 1

Sealing a Double Open End Element

A filter element is only as good as the seal that is achieved between the dirty and clean side of the filter vessel. The difficulty of sealing the element is primarily a function of the vessel manufacturer's element support and sealing hardware. Elements with open ends and flat gaskets are subject to bypassing contaminant under the following conditions:

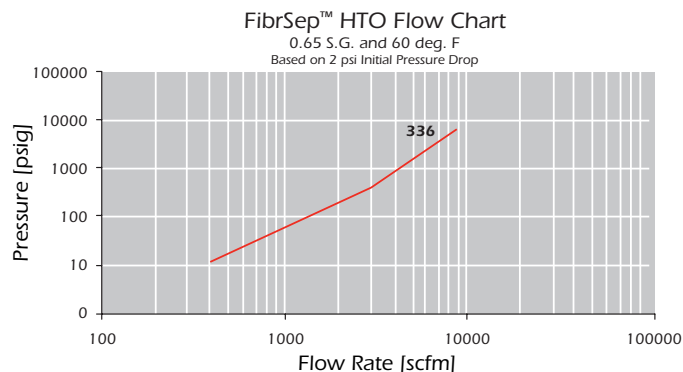
- **The element appears to be bowed or sagging.**
- **The gasket at both ends does not contact the sealing surface with adequate pressure all the way around the gasket.**
- **The sealing surfaces are dirty or damaged.**

Bottom sealing surfaces are made in two primary configurations; knife-edge and flat washer. Top sealing surfaces are also made in two primary configurations; dimpled and flat. A knife-edge seal has a ridge on the vessel's bottom element seat that cuts into the gasket.

A dimpled seal has a rounded ridge that pushes out against the inside surface and down on the flat surface of the gasket. Flat surfaces fit flush against the flat surface of the gasket. Knife-edge and dimpled designs are less prone to bypass.

When installing an element ensure that all sealing surfaces are clean and undamaged. Center the element against the sealing surfaces, tighten the securing mechanism (nuts, cams, etc.) as specified by the manufacturer. Always double check for loose elements because some elements shrink as they are tightened.

Remember the element is only as good as the seal that you achieve during installation.



NOTES

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

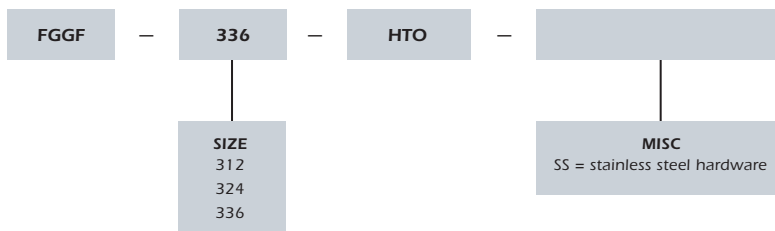
REPLACEMENT OPTION FOR

- | | |
|-------------------|----------------|
| ▪ BS&B | ▪ King Tool |
| ▪ Burgess Manning | ▪ Nowata |
| ▪ Clark-Reliance | ▪ Pall |
| ▪ Filter-Mart | ▪ Peerless |
| ▪ Fluitek | ▪ Porous Media |
| ▪ FSI | ▪ Royal |
| ▪ Gardner & Clark | ▪ Others |
| ▪ Jonell | |

VESSELS

- PECO Series 75, 85, 90 and 70
- Other vessels manufactured to be compatible with FibrSep style elements.

ORDERING INFORMATION



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