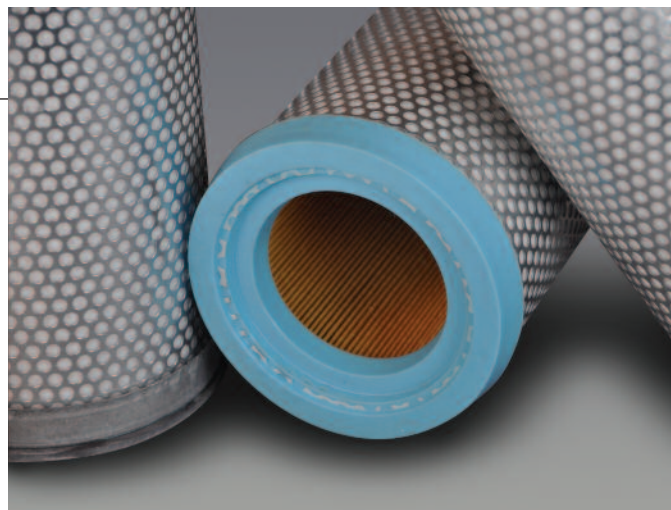


# FibrCeptor™ FFP

## Depth Microglass Coalescers with Integral Pre-Filter

Remove particulate and aerosolized liquids from air and gas streams using the FibrCeptor FFP. The integral pleated pre-filter extends service life by preventing most particulate from reaching the coalescing media. The quality of these process streams impacts emissions, productivity, and product quality. As part of a well designed gas treatment system the FibrCeptor FFP will ensure clean, dry air/gas to your process, helping to maintain optimum operational metrics.



### THE BOTTOM LINE

- **Integral Pre-Filter**  
Used in applications with a footprint that won't permit a separate stand alone pre-filter vessel, the FibrCeptor FFP provides extended element service life reducing maintenance and operating costs.
- **The Right Choice for the Right Application**  
An economical alternative to expensive pleated and engineered depth coalescers for applications with small aerosol concentrations or high temperature requirements. Provides superior efficiency and compatibility at a sensible price point.
- **Structural Integrity**  
The FibrCeptor FFP is reinforced with a steel core and outer support layers. Whether flowing in the normal flow direction, or back flowing, the structural integrity of this product will help ensure that your process equipment is not damaged by debris launched when less robust elements collapse or burst in service.
- **Common Sizes and End Cap Styles**  
Easy installation in existing housings without modifications. Saves costly downtime and maintenance expenses associated with housing modifications.

### APPLICATIONS

These applications typically have lower volumes with small concentrations of contaminants making them sensible places to use the FibrCeptor FFP.

- **Plant Air and Instrument Gas**
- **Vent and Exhaust Systems**
- **Pre-filtered Fuel Gas and Seal Gas**

## SPECIFICATIONS

### MATERIALS

- **COALESCING MEDIA** Unicast microglass
- **PRE-FILTER MEDIA** pleated cellulose
- **DRAIN LAYER** fiberglass
- **CORE** steel (galvanized or tin plated)
- **INNER & OUTER SUPPORT** steel (galvanized or tin plated)
- **END CAPS** molded silicone<sup>1</sup>
- **GASKETS** integral to silicone end cap
- **OPTIONS** S.S. hardware, galvanized steel end caps, gasket materials

### OPERATING DATA

Max Temp. [F]	Max D.P. <sup>2</sup> [psid]
350	100

- **Recommended change-out DP is 8 psid**
- **Normal flow direction is inside to outside**

### NOMINAL DIMENSIONS

Model	O.D. [in.]	I.D. [in.]	Length [in.]
FFP-336	4.3	2.68	36
FFP-540	6.0	4.12	40

### Dirt Holding

The following data refers to the FibrCeptor FFP integral pleated pre-filter:

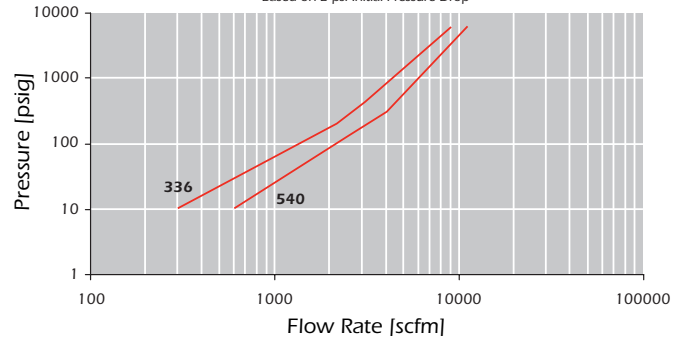
FFP-336 - 1.66 lbs

FFP-540 - 3.03 lbs

The integral pre-filter is not a substitute for a separate, stand-alone pre-filter vessel that will optimize operating and maintenance economics. However, in applications where a stand-alone pre-filter is not an option the FibrCeptor FFP provides extended element service life.

FibrCeptor™ FFP Flow Chart

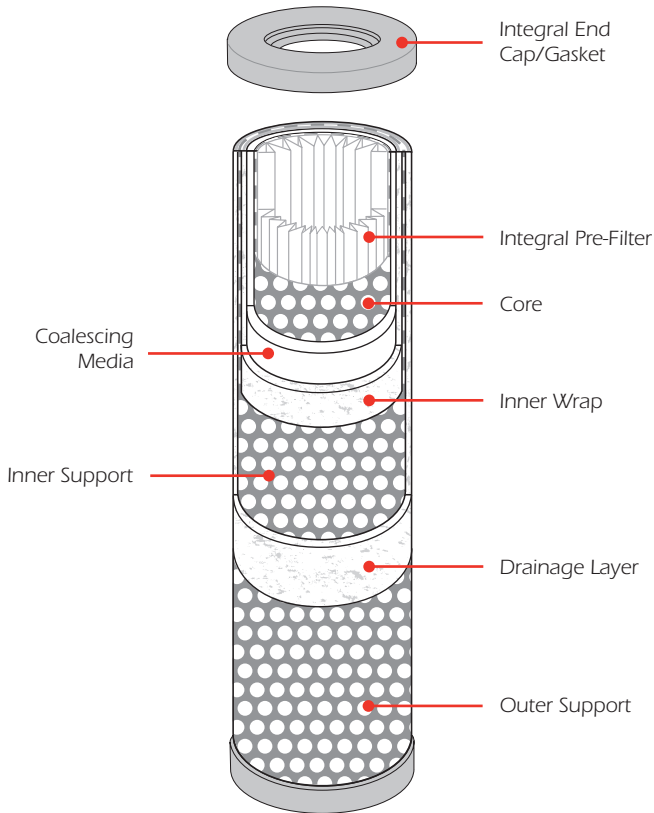
0.65 S.G. and 60 deg. F  
Based on 2 psi Initial Pressure Drop



### Maximum Incoming Aerosol Rate<sup>3</sup>

Size 336: 25 gpd/element

Size 540: 37 gpd/element



### PARTICLE RETENTION

Grade	Coalescing Efficiency 0.3 to 0.6 Micron Particles	Maximum Oil Carry Over <sup>4</sup> ppm w/w	Micron Rating
0.1	99.97	0.008	0.1
0.3	98.5	0.2	0.5

### REPLACEMENT OPTION FOR

- Clark-Reliance
- Gardner & Clark
- Jonell
- Nowata
- Parker Finite
- Others

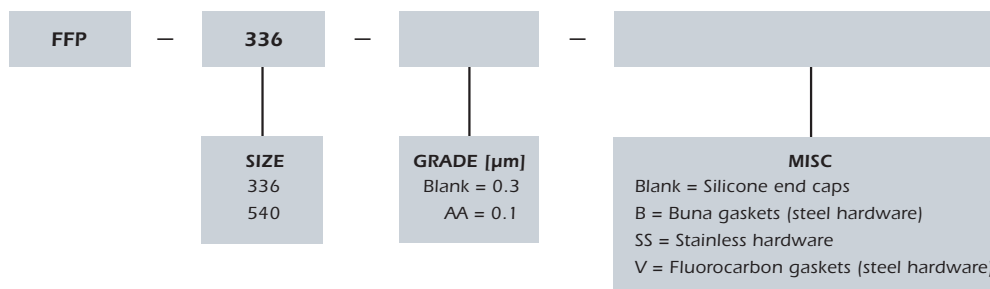
### VESSELS

- PECO Series 77V
- Other reverse flow coalescers

### NOTES

1. Do not use in H<sub>2</sub>S service > 5%.
2. Max. D.P. may be limited by vessel manufacturer's design.
3. Installed in a PECO designed vessel.
4. Tested per ADF-400 at 40 ppm inlet.

### ORDERING INFORMATION



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