



PERRY EQUIPMENT CORPORATION

ISO 9001

Liquid Aerosol Coalescing Elements

Type FF

The PECO Aerosol Coalescing Elements are designed to coalesce and remove aerosols from air or gas streams. They provide removal of small droplets such as lubricating oil, process liquids as well as fluids with low interfacial surface tension.

Type FF flow direction through element: inside-to-outside for highest efficiency. Opposite flow acceptable. Fits PECO Vessel Model 77V. (Bulletin No. FS-77-SL-01) Also interchangeable to PECO Series 75.



FF & FFP
(FFP info on back)

Construction

- Media: Uni-cast borosilicate glass fibers
- Core: Carbon steel, stainless steel (optional)
- End Caps: Silicone. Do not use in H₂S Service ≥ 5%
- Outer Wrap: Wire screen
- Gasket: Integral silicone end cap. Other gaskets available with metal end caps
- Drainlayer: Fiberglass

Operational Data

- Recommended Initial ΔP: ≤ 2 psid
- Recommended Element Change ΔP: 10-20 psid
- Core Strength: 100 psid burst with in-to-out flow
100 psid collapse with out-to-in flow
- Maximum Operating Temp: 300° F
- Liquid Loading: 8 GPM / Day for 336 size

Specification Data

Element Type	Internal Surface Area (ft ² / m ²)	Outside Diameter (in. / mm)	Length (in. / mm)
FF-12	0.56 / 0.05	3.5 / 88.9	12 / 304.8
FF-24	1.12 / 0.10	3.5 / 88.9	24 / 609.6
FF-312	0.83 / 0.08	4.5 / 114.3	12 / 304.8
FF-324	1.67 / 0.16	4.5 / 114.3	24 / 609.6
FF-336	2.50 / 0.23	4.5 / 114.3	36 / 914.4

- Micron Rating Available: 0.3

Liquid Aerosol Coalescing Elements

Type FFP

Includes pre-filter for solids removal.

Flow direction through element: inside-to-outside. Not designed for outside-to-inside.
Fits PECO vessel model 77V. (See bulletin No. FS-77-TD-01.)

Construction

- **Media:** Uni-cast borosilicate glass fibers with internal pleated cellulose pre-filter
- **Core:** Carbon steel
- **End Caps:** Silicone. Do not use in $H_2S \geq 5\%$
- **Outer Wrap:** Wire screen
- **Gasket:** Integral silicone end cap.

Operational Data

- **Recommended Initial ΔP :** ≤ 2 psid
- **Recommended Element Change ΔP :** 10-20 psid
- **Burst Strength:** 100 psid with in-to-out flow
- **Maximum Operating Temp:** 240° F
- **Liquid Loading:** 8 GPM / Day for 336 size

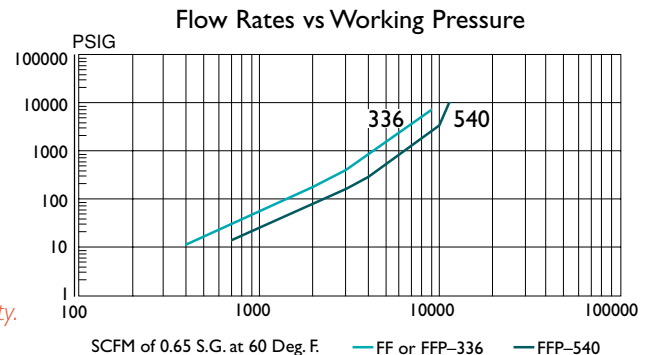
Specification Data

Element Type	Pre-filter Internal Surface Area (ft ² / m ²)	Outside Diameter (in. / mm)	Length (in. / mm)
FFP-336	15.80 / 1.47	4.3 / 109.2	36 / 914.4
FFP-540	28.82 / 2.67	6.0 / 152.4	40 / 1016.0

- **Micron Rating Available: 0.3**

From PSIG read over until line intersects size filter: Follow line down to SCFM.
This is the flow rate per element.

*Note: The Series FF & FFP may not be interchangeable within the same vessel.
Consult with the factory for interchange ability.*



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