



Polyethylene (PEL) Elements

PRODUCT FEATURES / BENEFITS

- ◆ Excellent Pre-Filters in Compressed Air
- ◆ Protect Final High Efficiency Filters From Excess Debris
- ◆ Economical Coalescing Pre-Filter
- ◆ High Strength
- ◆ For Use as Diffusers / Mufflers
- ◆ Point-of-Use Liquid Filter
- ◆ 10, 25, 75 and 100 Micron Available

Our high-efficiency PEL filter elements are manufactured from virgin high-density polyethylene (HDPE). The structure allows service in both gas and liquid applications. The material begins as a powdered or granular resin and is compressed into a sintered tube, eliminating the need for binders or additives. As a result, material compatibility is limited only to polyethylene itself. No end caps or gaskets are required; a reliable seal is achieved through axial compression directly against the flat element surfaces. PEL elements are inherently hydrophobic.

In compressed air and gas systems, PEL elements are well suited as pre-coalescers or coarse first-stage filters in heavily contaminated environments. For these applications, the 75-micron grade is recommended due to its superior flow characteristics.

In liquid applications, modest pressure forces fluid through the element while repelling encapsulated particulate. Filtration occurs through a combination of surface and depth mechanisms. The recommended flow direction is from outside to inside, allowing contaminants to accumulate on the exterior surface for easy inspection while taking advantage of the larger outer diameter for increased surface filtration. PEL elements may be back-flushed or ultrasonically cleaned; however, their low cost often makes replacement the most economical option.



Polyethylene (PEL) Model Number	Dimensions I.D. x Length	Fits (Housing Series)
PEL-12-32	0.5" X 1.25"	Model 110, 315, 705/710 Series
PEL-12-57	0.5" X 2.25"	Model 120, 126IL-3, 315L Series
PEL-12-76	0.5" X 3.00"	Model 122LB-PVF
PEL-12-127	0.5" X 5.00"	Model 127IL-3
PEL-25-64	1.0" X 2.50"	Model 130, 136IL-3, 360, 755/760 Series
PEL-25-127	1.0" x 5.00"	Model 130-4233
PEL-25-178	1.0" X 7.00"	Model 140, 146IL-3, 370, 775/780 Series

PEL Elements are designed to integrate seamlessly with our point-of-use filter housings.