

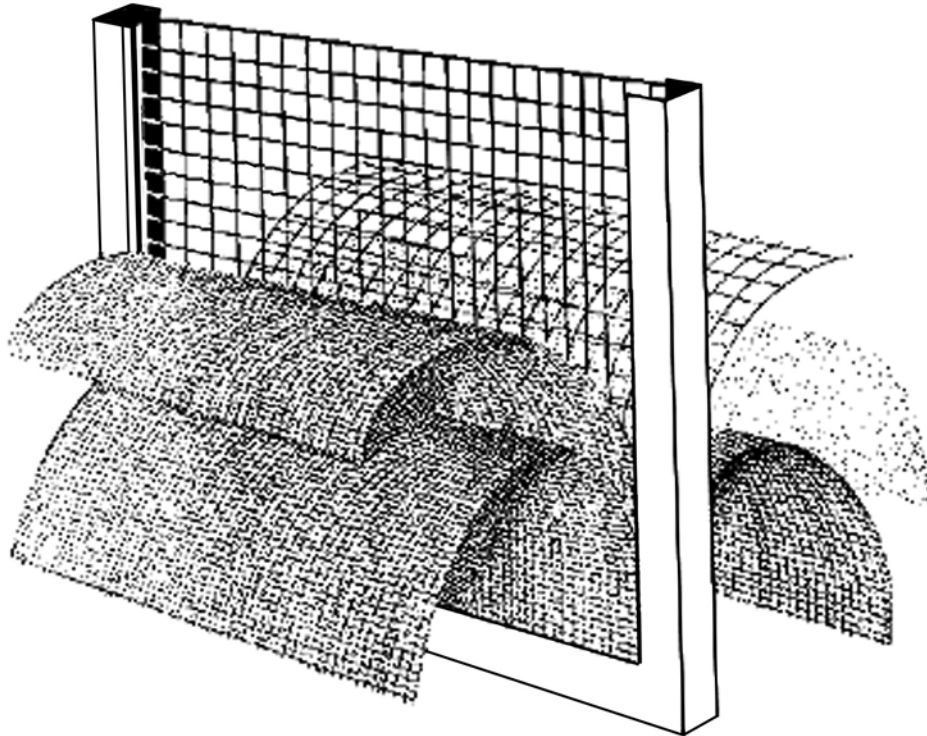


# FLORENCE FILTER CORPORATION

*"Over 35 Years of Filter Excellence"*

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## Electrostatic Filters



### Performance Data:

CFM 24x24x1	Static Pressure Drop in Inches w.g.	Efficiencies (ASHRAE)			
		1" Single Layer	1" Dual Layer	2" Single Layer	2" Dual Layer
800	0.05	30%	40%	35%	45%
1200	0.11	27%	37%	32%	42%
1600	0.18	24%	34%	29%	39%
2000	0.27	20%	31%	26%	36%
2400	0.36	15%	28%	23%	33%

Note: (1) Dimensions of all standard sizes are minus 1/2" on width and height, minus 1/8" in depth.  
 (2) Custom sizes are fabricated to exact dimensions only.

# **Electrostatic Filter**

High Efficiency & Low Pressure Drop Filter Media

**Electrostatic Filters** are constructed from layers of nylon screens that enclose polyurethane, natural fibers, or expanded aluminum as filler media. Due to air friction across the face of the nylon screens, an electrostatic charge is created. This charge provides maximum efficiency at minimum pressure drop, resulting in an extremely high alpha ratio.

The **Electrostatic Filter** is constructed from die-cut non-woven screens that are produced from nylon fibers. This manufacturing process provides superior dimensional stability and structural integrity. Densely-spaced nylon fibers offer very high air permeability, unlike conventional media. There is no shredding or discarding of broken fibers into the airstream. **Electrostatic Filters** can be washed and re-used at continued peak performance.

The **Electrostatic Filter** is a very versatile filter.

**Electrostatic Filters** are now available with several grades of polyurethane foam, natural fibers, or expanded metal media as filler or separators. Because efficiency ratings are based on the density of the nylon filter mesh, the filler media does not affect the ASHRAE rating of the filter. Static pressure variances between the three filler packs does not exceed .10" w.g.

Electrostatic Filters are available in three layered composite support structures:

- 1) Layered nylon mesh screens enclosing polyurethane foam.
- 2) Layered nylon mesh screens enclosing natural fiber media.
- 3) Layered nylon mesh screens enclosing metal mesh.