

# STMPXL E10

## Extended length barrier filter

**17" V-Cell: HEPA efficiency at 1/2 the operating pressure drop of Microglass HEPA**

### Description

Pneumafil's extended length STMPXL E10 HEPA (High Efficiency Particulate Air Filter) removes the finest of airborne contaminants, including fine dust, smoke, soot, pollen and other particles. HEPA filters have long been used in final filter applications with the only drawback being a higher operating flow resistance.

The flow dynamics of the STMP filter are enhanced through the use of 100% synthetic fibers supported by geometrically spaced pleat separators. The wider than normal pleat spacing allows easier access for loading the filter. With airflow access to a greater surface area, air flow restriction is decreased and dust loading capacity is improved.

### Benefits

- Low initial pressure drop
- Long life due to high dust holding capacity
- Rugged durability due to high burst strength
- Improved resistance to humidity and moisture over micro-fiberglass versions

### Construction

The rugged, UL approved STMPXL design has a high impact, injection molded plastic frame which is full sealed.

- Media: Two layer composite fiber substrate
- Frame material ABS
- Gasket: Neoprene



Wide Pleat Spacing



<b>EN1822—2012</b>	
Airflow Rate (CFM/m <sup>3</sup> /h)	2500/ 4250
Media Area:	250 Ft <sup>2</sup>
Initial Resistance (w.g. / Pa)	0.57
MPPS Determination (Microns)	0.1055
Efficiency @ MMPS	88.407
Initial efficiency % (0.3μ - 0.4μ)	96.499
Rating	E10

### Recommended Pre-Filtration

- MERV 11 - 15 Panel Style Pre-Filter
- Coalescing pad or glove

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