

STMPXL E10

Extended length barrier filter

17" V-Cell: HEPA efficiency at 30% less operating pressure drop of Microglass HEPA Filters

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 STMPXL E10 filter is enhanced through the use of a composite of proprietary synthetic fine fibers. Flow restriction through the media is further minimized by geometrically spaced pleats. The wide leading edge profile of the pleats increases air and dust distribution to the media surface.

Benefits

- 30% Lower 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, STMPXL design has a high impact, injection molded plastic frame sealed.

- Media: Two layer composite fiber substrate
- Frame material ABS
- Gasket: Neoprene
- Sealant: Polyurethane
- Pleats per inch: 6.4



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Airflow Rate (CFM/m ³ /h)	2500/ 4250
Media Area:	27.4 m ²
Initial Resistance (w.g. / Pa)	0.57
MPPS Determination (Microns)	0.1055 μm
Efficiency @ MMPS	88.407%
Initial efficiency % (0.3μ - 0.4μ)	96.267
Rating	E10 *

Recommended Pre-Filtration

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

* Post IPA Discharge

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EN 1822
Test Report

Test No. 17-092-2ARev3
Date: 15-Feb-17

