

# PneumaPulse Blended Cellulose/ Synthetic Self-Cleaning Filters

**Expanded 501 Ft<sup>2</sup> surface area design provides 20% greater dust holding than lower media area filters.**

## Description

PneumaPulse filters are durable high efficiency filters designed for use in self-cleaning pulse style filter house systems. Our Blended Cellulose/Synthetic fiber design is based upon the Siemens Self-Cleaning system specification and achieve MERV 11 efficiency levels. They provide adequate capture of submicron particulates at a lower pressure drop when compared to the lower media area of competitive filters.

The durability of our blended media is enhanced by a moisture resistant resin system that yields a higher level of performance in air flow resistance, dust holding capacity and particle capture than conventional cellulose fiber filters.

PneumaPulse Filters are manufactured to be self-cleaned for conditions with medium to high dust concentrations in the ambient air. This typically results in a higher level of physical strength, lower operating pressure drop thus prolonging filter life.

## Construction

Typical Pneumafil manufacturing standards are as shown below:

- The pleated media pack is supported by cylindrical inner and outer cores of flattened expanded galvanized or stainless steel .
- Mechanical seam lock design can be added to eliminate oxidation of spot welds on inner/outer expanded metal liners.
- Pleats are stabilized by embossed pleat separators
- Media is bonded with a spiral of hot-melt adhesive and permanently bonded to the end caps with a two part polyurethane sealant.
- A seamless polyisoprene sponge rubber gasket is applied on each filter to attain a positive seal of the filter to the filter house grid plate.
- Filter set includes a proprietary embossed filter stop on conical filter to provide a safety stop for proper gasket compression.



## PneumaPulse Filter Performance Data

Rate Flow Per Set	1530CFM
Clean Resistance	0.6 (inches of w.g.)
ASHRAE 52.2	MERV 11
0.3µm—0.4µm	14%
0.4µm—0.55µm	24%
0.55µm—0.7µm	35%

## Available in TTD Style Cartridges

