

PERFORMANCE DATA SHEET - 3V-Cell

**New product with
outstanding technical
features!**



**MAKE THE AEOLUS
3V-CELL YOUR CHOICE!**

- ✓ High initial efficiency
- ✓ Low air flow resistance
- ✓ Moisture proof construction
- ✓ Resistant to most chemicals
- ✓ Will not support microbial growth
- ✓ Polypropylene media and spacer bead
- ✓ Extremely high air flow capacity
- ✓ Longer service life
- ✓ Durable, damage resistant packs
- ✓ Will not corrode
- ✓ Can be incinerated for disposal
- ✓ Excellent dust holding capacity

MEDIA DESIGN. Our patented single-step production process results in a three-dimensional web of thick and thin fibers. The patented fiber technology utilized in this filtration media is the latest in “Media Configuration.” The media is 100 % polypropylene, non-shedding and features a 3-dimensional media design.

This media uses a proprietary method of increasing the electret effect on a media. This media is very resilient. The media combines a very low initial resistance with a high dust holding capacity to provide one of the most energy efficient and cost effective filters on the market.

FRAME DESIGN. EcoTitan 3V-Cells are equipped with an all plastic, high stiffness polystyrene frame, which is optimized using latest air flow simulation software. It is designed for pleat pack heights of 1 ½ inch and keeps air flow channels open for optimum flow characteristics, which is also an asset regarding the energy efficiency of a filter.

BENEFITS. The leading filter performance in a 3V configuration. The filter is extremely resilient from damage and performs very well in moisture rich applications. This filter was designed to compete favorably with other electret products in the marketplace.

APPLICATIONS. Aeolus 3V-Cell is used in a variety of the following applications where technical reliability and a long service life are a must:

- Industrial and Commercial Buildings
- Turbulent Airflow
- High Humidity
- Variable Air Volume
- HVAC
- Power Plants
- Hospitals and Health Care Facilities
- Food Processing

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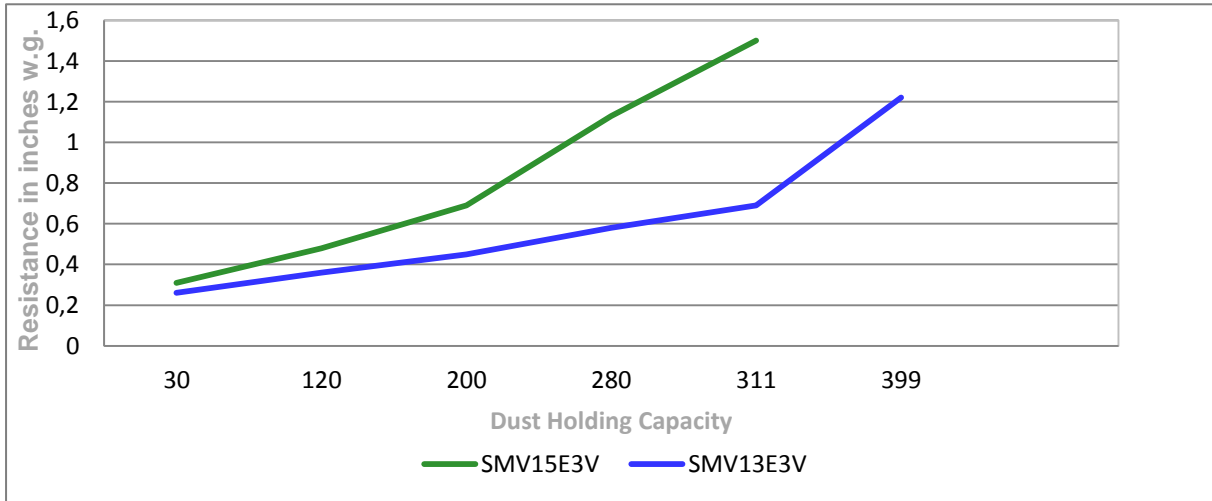


Fig. 1: Dust Holding Capacities 12 inch Mini-Pleat Panel Filters
(Test Conditions: 1968 cfm Air Flow, Ashrae Dust, comparable Filter Area)

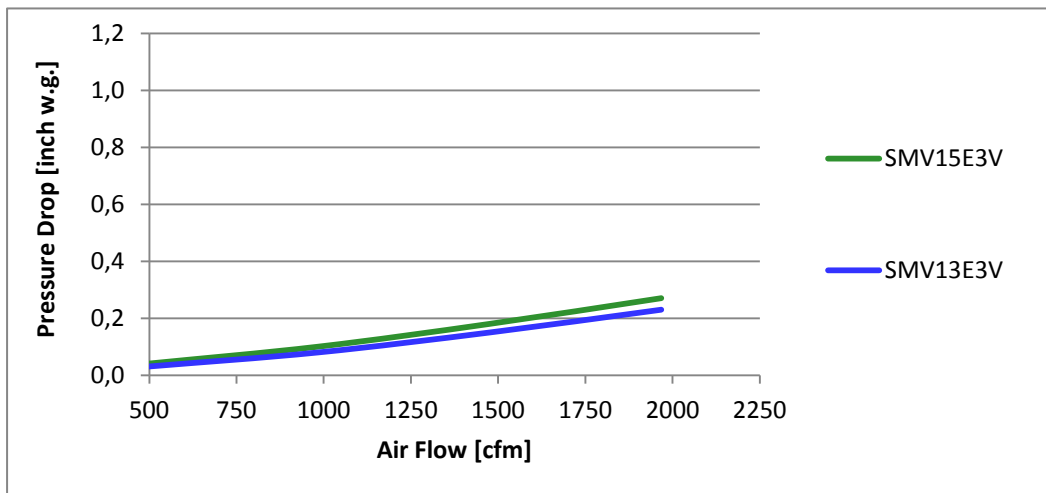


Fig. 2: Resistance vs. airflow for EcoTitan E3V

- ✓ Inherent antimicrobial properties
- ✓ Continuous operating temperature up to 125° F (52° C)
- ✓ Can be operated up to 125% of rated air flow
- ✓ Recommended final resistance is 1.50 in w.g.
- ✓ New Pleat Height 1 ½ inch instead of 1"
- ✓ Software optimized 3V-design for optimized air flow characteristics