

DUST SEAL PANEL POLYESTER RING PANEL FILTER

Antimicrobial
treated
media



Progressive density,
multi-denier media
that is self-sealing

Proprietary media
treatment prevents
dust migration
downstream

▶ **3-Layer progressive density fiber matrix** for optimized efficiency

▶ **MERV 8**

▶ **UL 900 Class 1 Listed**



DESCRIPTION

The Dust Seal Panel (DSP) filters are designed and constructed for use in multiple applications. The multi denier polyester media is arranged in a 3-layer progressive density fiber matrix for optimized efficiency, dust holding capacity and pressure drop in a self-dealing ring panel design.

The Dust Seal Panel filter media is fully bonded around the periphery of the assembly. An internal welded steel grid is the support structure for the panel and is RF sealed between the 1-1/4" air entry layer and 1/2" air exit layer. The polyester media extends beyond the internal welded grid and creates a friction fit with the holding frame. The extended media serves as an excellent gasket system to ensure no by-pass around the filter once installed in the holding device.

FEATURES AND BENEFITS

- **MERV 8**
- **UL 900 CLASS 1 LISTED**
- **ANTIMICROBIAL TREATED MEDIA**
- **PROPRIETARY MEDIA TREATMENT** prevents dust migration downstream.
- **PROGRESSIVE DENSITY, MULTI-DENIER MEDIA** that is self-sealing.

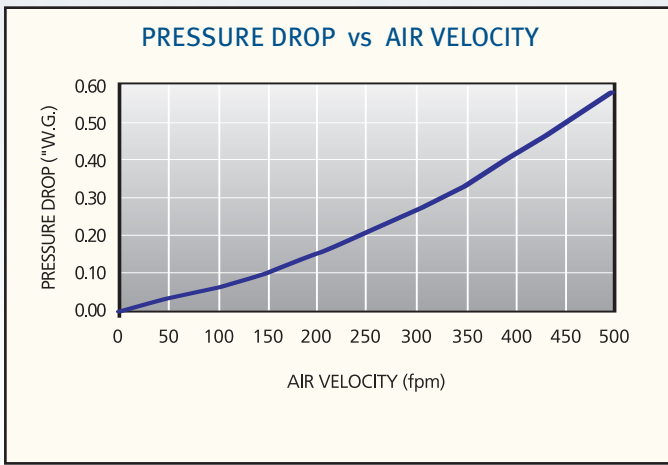
APPLICATIONS

The Dust Seal Panel filters are ideally suited as prefilters to higher efficiency MERV 12-15 secondary or final filters in either a front load built up filter bank or side access housing. Panels may be linked together for side service units to prevent dirt by-pass between adjacent panels. The Dust Seal Panels are an excellent choice in high humidity or moisture laden airstreams.

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DUST SEAL PANEL FILTER TECHNICAL DATA

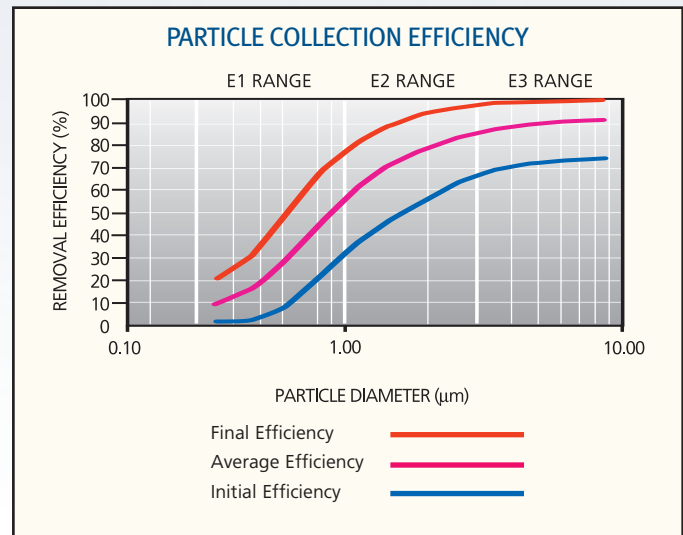
PERFORMANCE	UNITS	DUST SEAL PANEL
Media Velocity	fpm	375
Initial Resistance	"w.g.	0.34
Efficiency Particles > 3.0 microns	%	> 70%
Dust Holding Capacity @ 1.0 "w.g.	grams	> 200



Efficiency measured at 375 fpm with KCl neutralized aerosol as outlined in ASHRAE Standard 52.2. Actual filter size was 23-3/8" x 23-3/8" x 1-3/4".

Initial efficiency is the performance without any dust loading, MERV 8.

Average efficiency is the average of the efficiency values over the test up to 1.0 "w.g.



Dust Seal Panel filters are UL 900 Class 1 listed.

Dust Seal Panels filter media is treated with a proprietary antimicrobial agent.

Temperature Resistance is 150°F continuous and 200°F intermittent.

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