



Red Excell



Proudly Manufactured
in Western Canada



Product Overview & Applications

Deep Loading Industrial Panel Filter

The heart of the Red Excell filter is the proprietary design of the filter media pad. The Red Excell panel filters and media pads provide MERV 8 performance, while continuing to deliver industry leading dust holding capacity.

This unique construction enables the Red Excell filter to hold more dirt throughout the entire depth of the media. The fibers on the air entering side are interlaced with a more open pattern that becomes progressively tighter towards the air leaving side.

When the media is clean, dirt particles penetrate deeper before being trapped. As the back of the media loads, particles are caught progressively closer to the air entering surface. This exclusive media design eliminates face loading and increases both arrestance (air cleaning capability) and dust holding capacity (service life).

Applications

The Red Excell filter is designed for use in industrial and commercial HVAC systems. Suitable for installation where dust-loading conditions are particularly heavy, "Red Excell" filters also serve as excellent prefilters to higher efficiency filters.

Red Excell: At a Glance

- **Increased Dust Holding Capacity:** The Red Excell filter has the highest dust holding capacity when compared to conventional pleated panel filters. This is achieved due to the loading that occurs throughout the depth of the media pad
- **Very High Compression Strength:** Specially formulated thermoset resin forms a strong bond at each point where fibers intersect, resisting compression in the air stream. As the dirt load builds and resistance increases, the media maintains its thickness without collapsing or face-loading
- **Heavy Duty Construction:** Constructed using moisture resistant beverage board die cuts, with expanded metal retainers on both the air entering and air leaving sides. The entire frame perimeter is secured by a waterproof wrap
- **Increased Energy Savings:** Optimizing the change out cycle of the Red Excell, can lead to energy savings of over 30% compared to pleated panel filters
- **Highly Viscous Adhesive:** The wicking action of the highly viscous adhesive enables it to cling to the fibers and thoroughly saturate each dirt particle

Performance Data

Filter Depth	Rated Filter Face Velocity		MERV Rating	Rated Initial Resistance		Recommended Final Resistance	
	Ft/m Inches	m/s		Inches w.g.	Pa	Inches w.g.	Pa
2"	500	2.54	8	0.32"	80	0.6"	150
4"	500	2.54	8	0.38"	95	0.6"	150