schenckprocess

MEGABond™ Filter Media

- **Ultra high efficiency MERV 15 rating**
- **Lower pressure drop means longer life and greater energy savings**
- **Accommodates twice the air to cloth area of competing cartridges**
- **FixedPleat design vastly improves durability and extends life**
- **Available for SpaceSaver® and Mac2Flo® cartridge dust collectors**

Application

The new yardstick for measuring filter media, MEGABond™ delivers high efficiencies for a wide variety of dust collection applications. Now, MEGABond™ is available for SpaceSaver® and Mac2Flo® cartridge dust collectors.

With the ability to operate at air to cloth ratios twice that of competing cartridges, MEGABond™ opens a new window of opportunity to aggressively size collectors; while maintaining the same high levels of efficiency you expect from Schenck Process.

Advanced media for superior performance

MEGABond™ can withstand rigorous pulse-cleaning. We start with a high quality blended base media, and then tightly bond uniformly consistent nanotechnology fibers to the substrate. The result? Superior mechanical strength and extreme durability with increased surface dust loading, fractional efficiency and better dust holding capacity.

Nanofiber technology offers MERV 15 operational efficiency. This delivers outstanding efficiencies on submicron particles.

MEGABond™ nanofibers will not flake off during pleating or pulsing.

Operating principle

Throughout the duration of tests on various dust samples, MEGABond™ cartridges outperformed the current standard, accomodating twice the air to cloth ratio in the process without increased emissions.

Air pulse cleaning is more efficient and effective with MEGABond™'s FixedPleat feature. The unique pleat spacing design allows for more systematic cleaning between the pleats of the media. This improved cleaning extends the life span of the cartridge.

Fiber flexibility, toughness and elasticity generates multiple cost-efficiency benefits:

- Increased energy savings
- Longer filter media life
- Reduced filter replacement frequency
- Reduced downtime
- Promotes self-cleaning