

At DelStar Technologies, we continually focus on the advancement of our filtration product lines. Through a unique joint venture, DelStar Technologies is proud to introduce Alphastar, the most advanced triboelectric media available to the filtration industry in 15 years!



Alphastar Triboelectric Media for High Efficiency Filtration



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The new **Alphastar Triboelectric Media** boasts performance characteristics currently unmatched in the filtration market. Its proprietary fiber blend is carded and needled into a fully homogenous material. The needlefelt exhibits an electrostatic charge that benefits multiple air filtration applications. Further product improvements can be achieved by combining the Alphastar media with various layers of DelStar's netting and meltblown products.

Alphastar Triboelectric Media produces higher efficiency with lower resistance when compared with similar products. It is designed to maximize two filtration mechanisms to capture and retain particles. The electrostatic action acts like a magnet, attracting both positively and negatively charged particles. As these particles begin to fibrillate, they increase the media's mechanical filtration effects.

Alphastar Triboelectric Media is ideally suited for a number of air filtration applications. It exhibits high dust loading capacity with low pressure drop for vacuum bags, cabin air filters, and HVAC furnace filters. It provides low resistance, but excellent particulate and bacterial filtration efficiency for facemasks and breathing circuit filters. And with the addition of DelStar's fine fiber DelPore® meltblown media, Alphastar products offer superior filtration performance.

Alphastar Triboelectric Media Properties

- Stable Electrostatic Charging
- High Performance-to-Weight Ratios
- Various Needling Configurations
- Weights ranging between 20 and 1000 gsm
- Widths up to 90 inches (229 cm)
- Fully Incinerable

Alphastar