

### Mikro-Pleat™ Snap-in Pleated Filter Bags with Integral Venturi

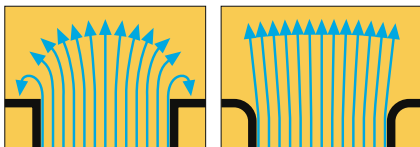
The Mikro-Pleat V-Series is the first snap-in pleated bag with an integral venturi.

Venturis have long been recognized as necessary for optimum performance in pulse-jet baghouses. However, until now, the benefits provided by venturis have not been available for top removal snap-in pleated bags. Menardi has changed that with the introduction of the Mikro-Pleat V-Series.

#### Venturi Benefits

The Mikro-Pleat V-Series incorporates a *full diameter* venturi that is pressed into the filter element's flexible head and bonded in place. It provides two important benefits:

- **Optimized Pulsing.** The shape of the venturi helps capture pulses from blow pipe nozzles that are worn or not perfectly aligned (blow tubes are typically not precision manufactured). Also, the venturi shape increases induced air, providing a stronger pulse.
- **Less Pressure Drop.** During normal filter operation, the venturi shape also smoothes air flow, which reduces pressure drop across the orifice.



The Mikro-Pleat V-Series integral venturi's shape produces smoother air flow than the abrupt edge of other designs. Sharp edges produce eddies which disrupt air flow, increasing pressure drop.



Mikro-Pleat V-Series pleated bags are competitively priced with conventional designs and are available in a variety of media constructions and sizes to fit popular tubesheet hole dimensions.

#### Pleated Bag Benefits

Pleated bags offer many benefits over standard filter bags, including:

- Increased filter area—often twice or more than that of the replaced bags, reducing pressure drop and energy use.
- Bag and cage are integral, so changeouts are much faster.
- The moisture-resistant, spunbond polyester media is more durable, provides superior dust release, and is 99.9% efficient.
- Longer time between changeouts



The Mikro-Pleat V-Series is the only snap-in pleated bag with an integral venturi.

#### Filter Area Comparison

Mikro-Pleat vs. 10' bag (4 5/8" dia.)



A 1.5 m Mikro-Pleat element (shown) with 30 pleat count can replace a 10' bag and still provide 13% more filter area.

Other comparisons:

45 pleat count	+70%
2 m / 45 ct.	+133%

due to more durable media and less frequent pulsing.

In addition, disposal costs are usually reduced because the filter elements are more compact and are incinerable.