

### Deep Pleat Cartridges with MikroBoss™ Technology

New media technology provides significantly improved filter performance.

Menardi's new Deep Pleat Cartridges increase effective filter area significantly over conventional pleated synthetic media. Deeper pleats are allowable thanks to our patented MikroBoss™ media which prevents collapsing of pleats under operating pressure. This unique design uses staggered clean side dimpling which, unlike other dimpling patterns, provides unrestricted air flow and pulse cleaning at the extreme ends of the pleat.

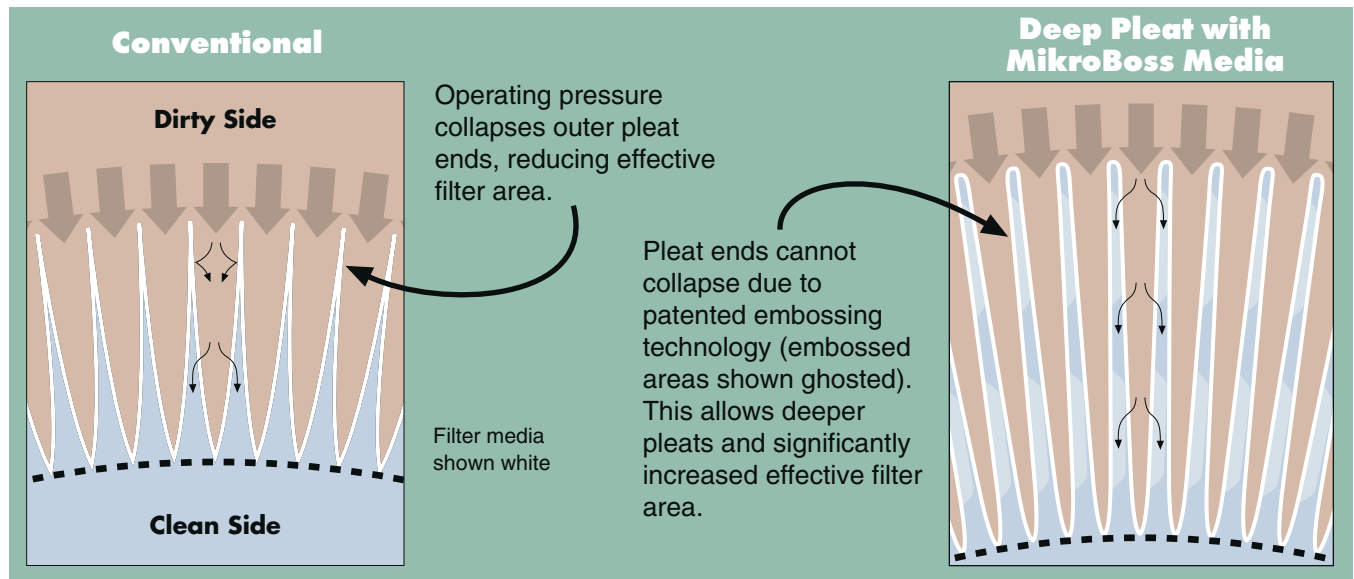
MikroBoss is available in spunbond and spunlaid polyester and polypropylene, as well as PTFE membrane, Nomex®, and antistatic (aluminized) media.

#### Features/Benefits

- Increased filter area lowers pressure drop, reduces cleaning frequency, increases capacity, and/or improves filter life
- The media is more durable for longer life than non-synthetic media
- Surface loading media provides superior pulse cleaning
- 99.9% efficiency for 1.0 micron particles and above
- Media can be laminated to PTFE membrane for maximum filtration efficiency
- Dimples are formed with a heated die and staged cooling to set the shape permanently
- Dimples are staggered to allow pulse cleaning to the extreme ends of the pleat



*MikroBoss media allows a significant increase in effective filter area. Antistatic spunbond polyester media shown.*



*This illustration represents the media at full size, with conventional 1.25" pleats, and Deep Pleat 1.94" pleats, increasing filter area by 55%.*



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