



Pleated Bags vs. Conventional Bags

Benefits of Pleated Bags over Conventional Bags

- ***Filtration Area*** *Pleated bags typically provide 2 – 3 times the filtration area of standard conventional bags. The pleated media configuration allows for more media in the same size filter.*
- ***Energy costs*** *Pleated bags utilize smooth surface loading medias, unlike conventional bags that use felt fabrics that have rough surface fibers that hold the dustcake. This results in lower compressed air pressure to clean the filter.*
- ***Differential Pressure*** *The increased surface area of the pleated bag combined with the media permeability reduces the differential pressure across the filters.*
- ***Installation Time*** *Pleated bags provide a simple one piece construction that eliminates the need for cages and other bag accessories. This dramatically reduces installation time.*
- ***Air-to Cloth Ratio*** *Pleated bags with 2 – 3 times the surface area of a conventional bag significantly reduce air-to-cloth ratios of the baghouse.*
- ***Abrasion*** *Pleated bags provide increased surface area in a shorter length filter. This helps to reduce abrasion failures by moving the bottom of the filter elements above the incoming gas stream.*
- ***Efficiency*** *Spun bonded media used in pleated bags provides higher efficiencies than standard felts used in conventional bags.*