

## PLEATABLE SYNTHETIC HVAC FILTER MEDIA APPLICATIONS



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**H&V offers a complete line of synthetic media for HVAC minipleat applications. Developed under the HVision™ technology platform, NANOWEB media provides very low pressure drop and much higher performance while maintaining its efficiency throughout the filter's lifetime.**

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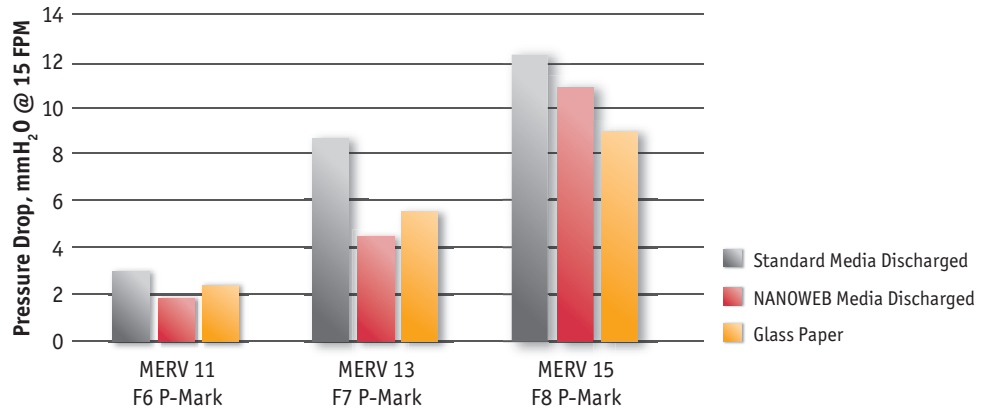
H&V offers a complete line of synthetic media designed for use in HVAC minipleat applications. Synthetic media are gaining a foothold in the air filtration market due to their durability, which allow handling and installation with little or no concern about media damage in the filter. Traditional synthetic media technology involves charging the fibers to increase the attraction of fine particles and initial efficiency. Charged technology offers high initial filtration but discharges rapidly in use resulting in a much less efficient filter than originally specified. This media may be fine for less critical applications where high initial efficiency is desired at very low pressure drop.

For more critical applications, where maintaining the initial efficiency throughout the life of the filter is important, Hollingsworth & Vose has introduced the new line of NANOWEB® synthetic pleatable media. NANOWEB is a mechanical filtration media that relies on submicron nanofibers. Our uncharged NANOWEB synthetic media will maintain its efficiency and its initial MERV rating throughout the life of the filter, while providing very low pressure drop similar to glass paper, and better performance than standard synthetic material. When NANOWEB media is charged, it provides for much less charge degradation than standard synthetic products on the market. This media is combined with a proprietary nonwoven substrate layer that has been designed for toughness and durability while allowing for easy pleating on both rotary and push-bar pleaters.



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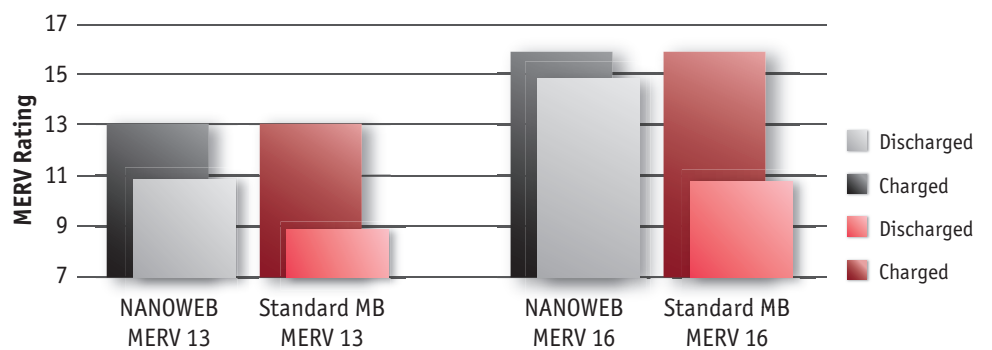
## NANOWEB vs. Glass and Standard Synthetics Pressure Drop vs. MERV Rating (NO ELECTROSTATIC CHARGE)



### Pleatable NANOWEB Discharged (IPA) Performance

- Similar to glass paper
- Up to 45% lower pressure drop than standard synthetic filtration media

## Charge Degradation of NANOWEB vs. Standard Meltblown



### Pleatable NANOWEB Discharged (IPA) Performance

- Up to 80% less discharge during life of filter compared to standard synthetic filtration media



**Hollingsworth  
& Vose**

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