

Why is this statement ironic?

“Gas turbine engines are susceptible to fouling of the inlet compressor blades. This fouling is significantly increased by air stream particles that are less than one micron in size. For that reason, the filter’s fractional efficiency on sub-micron particles is very important to the cleanliness of the turbine compressor. A clean compressor helps the turbine to produce it’s desired output.”

Answer: The most popular MERV 13 filter used in pulse style filter houses allows as much as 50% of the smallest particles into your turbine!



That’s right – a MERV 13 rated filter used in front of thousands of turbines allows 50% of the most challenging particles, those between 0.3-0.4 microns, to penetrate through the filter into the turbine.

You may not be a base load facility, and there may be a variety of reasons that cause you to water wash. But most will agree that the single largest cause of blade fouling are dust particles. Small dust particles. Those between 0.3-1 micron.

How can you capture those small particles?

Matrex™ filters from Pneumafil are designed to capture 90% of particles which are 0.3-0.4 microns. When you purchase a Pneumafil Matrex filter, you won’t pay with a pressure drop penalty, a ridiculous price, or ten pages of terms and conditions. You’ll get clean air!

Is your filter house prone to high moisture conditions such as fog, driving rain, or high humidity?

Synthetic Matrex repels water! You will experience faster recovery and performance than with non- Matrex filters.

