Filtration Group shares how to save energy and boost IAQ with high MERV air filters.

By Julie Stone

A GUIDE TO BETTER ENERGY EFFICIENCY AND IAQ

Filtration Group’s MERV 13 air filter products are finding foothold, safer, and more productive environments. The global manufacturer’s proven range of high-efficiency air filters optimizes energy usage without impeding indoor air quality, whether your project is in residential, commercial, or industrial.

“Anything below MERV 13 is basically just protecting your equipment, whereas MERV 13 and above filters smaller particulates in the air,” Heritage says. “With the pressure drop we can get on your bag and potentially your bloodstream,” says Michael Kraus, director of product and channel marketing at Filtration Group.

In addition to providing better air quality, MERV 13 filters qualify for LEED credits and can also contribute to energy efficiency when changed at optimal intervals.

David Haggard, head of sales for national accounts at Filtration Group, points out that on-site maintenance is the best way to extend the life of a filter. “If you’re not using a filter properly, it won’t last twice as long as many filters on the market. It’s everything from how well the pressure drop is handled to how the filters are sealed and what your impact is on the world,” Heritage says. “We try to do things holistically and what our impact is on the world.”

Filtration group’s GeoPleat® is a high efficiency filter in a compact frame.

It’s a high efficiency filter in a compact frame,” Heritage says. “Because we do filter service, it’s very easy for us to move the GeoPleat® around from our service trucks up to air handlers on second or third floors. The GeoPleat®’s smaller size increases installer productivity. Being able to put three 4-inch filters in a box instead of one 12-inch filter makes transporting the products much easier. "If you can carry three times as many up to the roof, you get huge productivity savings, and a big shipping savings too because you’re shipping more filters in a single box," Bruce says. The 4-inch deep GeoPleat® also has a significantly lower initial pressure drop and a higher level of filtration that many six or 12-inch deep filters, making it a viable replacement filter with a lower TCO.

The Green Pleat has allowed Perinovic and his team to install high efficiency air filters into HVAC systems for areas that require higher efficiency, like office spaces, commercial buildings, and hospitals. “The Green Pleat is a great compromise where you can put a MERV 13 filter in a high efficiency, like office spaces, commercial buildings, and hospitals,” Bruce says. “The Green Pleat is a great compromise where you can put a MERV 13 filter in an area where you need higher efficiency, like office spaces, commercial buildings, and hospitals.”

“With any of these filters, you should change it more frequently because that gets you the lowest TCO,” Bruce says. “The more you wait, the more the pressure rise goes up, which means the more energy you are consuming. Even if the filter can last a certain length of time doesn’t mean it should.”

Looking Ahead

As new acquisitions and products are added, Filtration Group has evolved into a global organization. Heritage says they now incorporate new technologies that were only available in other segments of filtration that may have been too niche in the past like medical and process filtration. “The company is also co-developing products and bringing best practices from other filtration disciplines into the HVAC space,” Heritage says.

Filtration Group is still growing and continuing to break down barriers in the filtration industry. “It’s very easy to think of air filters as a mainstream commodity type of product, but we work very hard to look at things holistically and what our impact is on the world,” Heritage says.