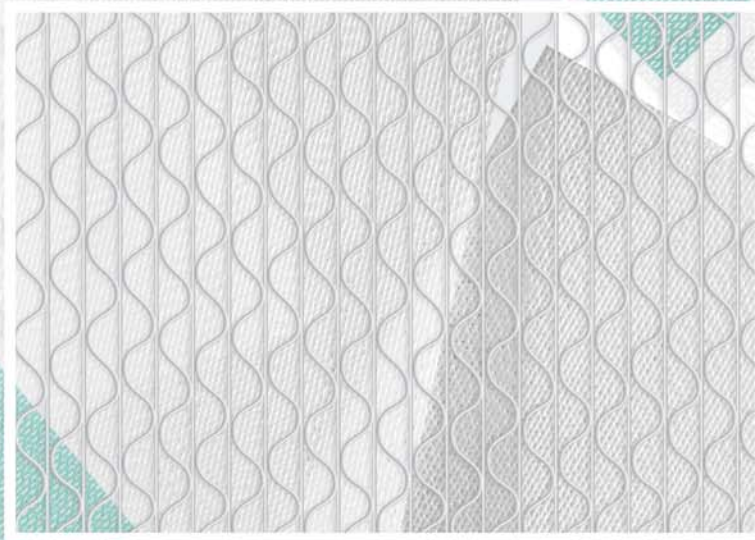




High Air Flow (HAF) Air Filters



Effective, low
maintenance
solutions for
equipment
protection

3M™ High Air Flow (HAF) Air Filters

A balanced approach to improved air filtration

More and more building owners and equipment manufacturers are recognizing the need for efficient, economical air filtration to improve equipment performance and reliability, and to protect equipment from the damaging effects of dirt and dust.

The problem with certain kinds of conventional filters, however, is that – depending on the filter type – they can have high initial pressure or can block too much airflow as particles become trapped in the filter. The end result is that airflow through the equipment can be severely restricted. To maintain the required airflow, the filters may require frequent replacement, and/or the equipment may require frequent cleaning or other maintenance, depending upon the application conditions.

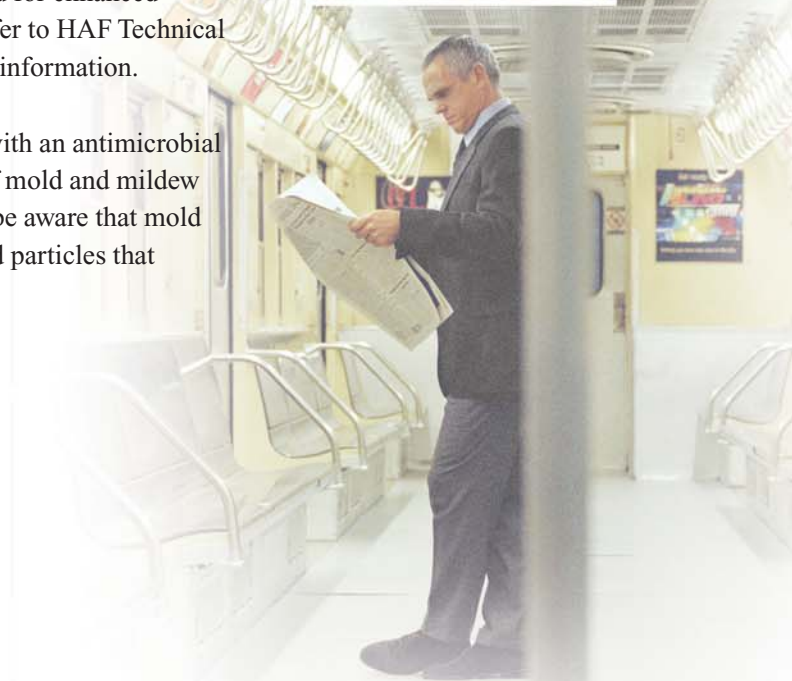
The open channel construction of 3M HAF filters offers low initial airflow resistance, while its unique microstructure and electrostatic charge provides effective particle capture and retention. In certain applications, this may translate into fewer filter changeouts... reduced coil cleaning... and/or reduced maintenance costs.

3M gives you another option

3M™ High Air Flow (HAF) Air Filters may offer an ideal alternative in applications where regular filter replacement is difficult or impractical, but where low airflow resistance is important.

Developed using innovative 3M technologies, 3M HAF filters are constructed from an array of open flow channels, are frameless and self-supporting. These filters are electrostatically-charged for enhanced particle capture and retention. Refer to HAF Technical Data Sheet for more performance information.

3M HAF air filters are available with an antimicrobial agent to help inhibit the growth of mold and mildew on the filter media. Users should be aware that mold and mildew may grow on captured particles that build up over time on the filter.



Versatile performance in a wide range of applications

For hospitality building owners and managers, maintenance time and productivity play an important role in efficient building operation. 3M HAF filters have been shown to help capture airborne dust that can deposit on in-room heating and air conditioning units, while maintaining good airflow through the unit. In addition, due to their self supporting design, HAF filters are easily installed and replaced.

For manufacturers of industrial equipment and electronics, airborne dust and dirt can damage various components, resulting in increased maintenance. In addition, maintaining good airflow in these units is of utmost importance. Because of their frameless, self-supporting construction, 3M HAF filters can easily be adapted to many existing equipment configurations, providing a simple way to add value to the equipment design.

For operators of transit systems in congested urban centers, soot and dust can clog HVAC filters and coils, resulting in the need for frequent service intervals and filter replacement. Due to the unique combination of low pressure drop and good dust loading, 3M HAF filters may be an excellent filter for these applications, particularly compared to conventional foams, plastic netting or metal screens.

In these and other applications, filtered air can be an important competitive advantage that does not require a major capital investment.



Additional Information

For questions or to place an order in the U.S., contact your local 3M representative or 3M Customer Service at 1-800-648-3550 or 651-737-2433.

IMPORTANT NOTICE: The information in this literature is based on tests 3M believes are reliable. It is not and should not be relied on as a product or technical specification. We do not guarantee the accuracy of this information. If any products described in this literature are defective, 3M will replace them at no charge. THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES FOR THESE PRODUCTS, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. You are responsible for determining whether products described in this literature are fit for a particular purpose and suitable for your application. Because there are many factors within your knowledge and control that might affect the use and performance of these products, you must evaluate these products to determine whether they are fit for a particular purpose, are suitable for your application, and meet your performance expectations. 3M IS NOT LIABLE FOR ANY LOSS OR DAMAGES, WHETHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL ARISING OUT OF THE USE OF OR INABILITY TO USE ANY OF THESE PRODUCTS.

⚠ CAUTION: USED FILTERS MAY CONTAIN CONTAMINANTS FROM OPERATION OF THE HVAC SYSTEM. FOR PROPER HANDLING OF USED FILTERS, CONSULT APPLICABLE HEALTH AND SAFETY STANDARDS OR CONTACT AN INDUSTRIAL HYGIENIST. TO REDUCE RISK OF ILLNESS OR INJURY, ALWAYS USE APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING WHEN REMOVING OR HANDLING USED FILTERS. DISPOSE OF USED FILTERS ONLY IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

IMPORTANT USE RESTRICTIONS: THIS FILTER MUST NOT BE USED FOR THE FOLLOWING UNAUTHORIZED USES: A) ASBESTOS REMEDIATION; B) BIOTERRORISM PROTECTION; C) LEAD REMEDIATION; OR D) APPLICATIONS IN BUILDINGS THAT REQUIRE OR ARE UNDERGOING AIR HANDLING SYSTEM REMEDIATION OF HAZARDOUS SUBSTANCES.



Filtration

3M Center, Building 223-6S-04
St. Paul, MN 55144-1000
1-800-648-3550

Issued: 8/2006
© 3M 2006
3M is a trademark of 3M Company.

5285 (HB)
70-0713-8935-0