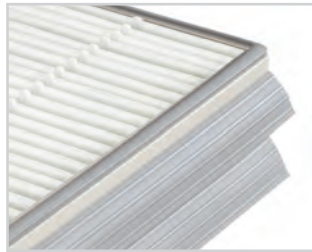




Commercial High Performance HVAC Filter

Filtrete™ Commercial High Performance HVAC Filters combine excellent filtration performance with low airflow resistance and long filter life. Their unique balance of properties may offer building owners and managers a number of time and money-saving advantages.



Lightweight, rigid frame

■ Increase air flow / lower fan energy consumption for equivalent filter efficiency

The low pressure drop feature of Filtrete Commercial High Performance Filters may help reduce fan energy consumption, particularly when combined with a regular program of HVAC system cleaning, maintenance and monitoring. These filters may also reduce preventative maintenance by keeping air handling units cleaner.

- Electrostatically charged and open construction media combined with the filter construction contribute to low pressure drop across the filter
- High particle capture efficiency may help to lower coil airflow resistance by reducing fouling

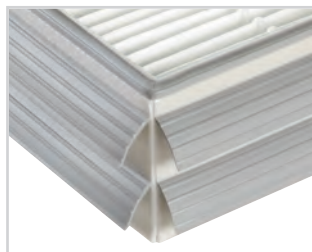


100% synthetic media —filters are very durable, less chance of filter damage during handling and installation, resistant to moisture and chemicals, resistant to fiber shedding

■ Highly durable, 100% synthetic media and frame construction

Filtrete Commercial High Performance Filters are made using proprietary materials, designed specifically for commercial applications. Their light weight, resilient frame and media construction is resistant to moisture and common chemicals.

- Low chance of filter damage or failure during handling and installation
- Resistant to fiber shedding



Integral seals provide low filter bypass

■ Long filter life

The unique media and construction of Filtrete Commercial High Performance Filters may result in long filter life. They are also designed to minimize filter air bypass, which may help to reduce particle deposition on HVAC coils and ducts. When combined, these factors may help to reduce maintenance.

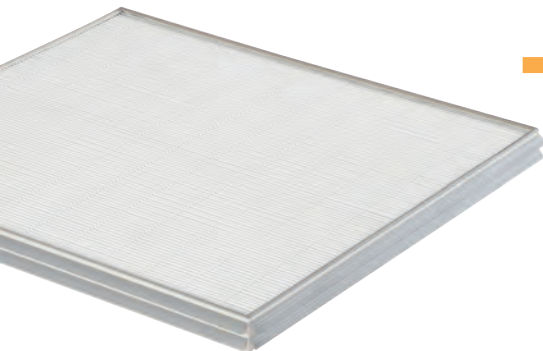
- Media loads through the depth of the filter, contributing to long filter life
- Minipleat construction provides high surface area, contributing to long filter life
- Integral seal may help reduce bypass, which in turn may help keep coils and ducts clean
- UL900 Class 1 flammability rating (U.S.)
- UL900 Class 2 flammability rating (Canada)

■ Small package size

- Easy to handle
- Low disposal volume¹
- Less storage space
- Low shipping costs

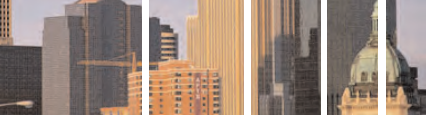
■ Demonstrated filtration efficiency

Filtrete Commercial High Performance Filters have been tested by independent laboratories in accordance with ASHRAE 52.1-1992 and 52.2-1999 standards. Electret-based filter media is known to decrease in efficiency under many environmental conditions. To evaluate filter efficiency during actual use, additional testing to simulate in-use performance has been carried out. Refer to technical data sheet for detailed product attributes and performance.



¹Disposal of used filters must comply with applicable federal, state and local laws and regulations





Typical Applications

Filtrete™ Commercial High Performance HVAC Filters are ideal for:

- Commercial and office buildings
- Educational institutions
- Government facilities
- Hotels and entertainment complexes

Possible Fan Energy Cost Reductions

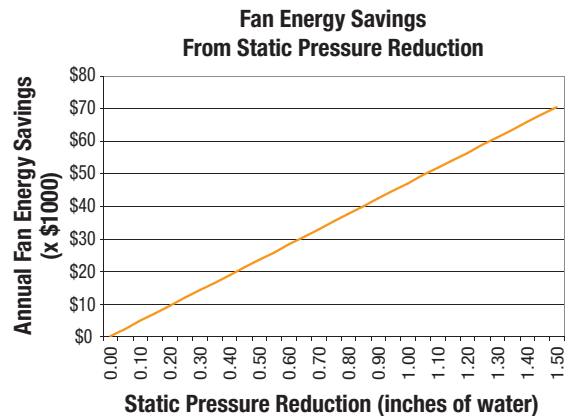
Use of new Filtrete™ Commercial High Performance HVAC Filters may help reduce fan energy costs due to their low airflow resistance versus filters having comparable efficiency ratings and construction. When the air handling unit is cleaned, the savings may be even greater and may help to increase your return on initial investment.

3M uses industry accepted fan energy estimation models that can demonstrate the possible savings resulting from the use of Filtrete filters.

Example:

Fan energy savings estimates are made using ASHRAE fan law relationships. The following building conditions were used to develop this illustrative graph.

Fan Capacity:	500,000 CFM–VAV with volume reset to zone demands
Fan Speed:	750 RPM
Fan TP:	5.35" water gauge fan system total pressure
Fan/Mtr Eff:	54% combined fan and motor HP efficiencies
Avg. Elect \$:	\$0.12 cost per kW averaged per year with demand and stranded costs included
Est. Hrs/Yr:	3,600 occupied hours per year



Any assessment using fan energy models for a facility is only intended to provide a general indication as to a possible range of fan energy savings that may be obtainable. 3M does not warrant that this assessment, or its services and products, will result in any specific energy savings at a facility.

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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

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