



AmerKleen M80

Disposable Air Filter

An excellent air filter which utilizes Viscosine® for enhanced filter efficiency and dust holding capacity for low pressure drops.



VISCOUS COATED GLASS FIBER

Developed for the U.S. Military, this is the best prefilter on the market. AmerKleen M80 is a disposable, adhesive impregnated glass fiber pad held in a retaining frame. Servicing the filter is quick and easy. A high-efficiency air filter offering economies over permanent metal filters, AmerKleen filters are particularly suited for use as prefilters in engine, turbine, and smooth flow compressor intake air systems.

HIGH DUST HOLDING CAPACITY

AmerKleen media is made of continuous filament fiberglass. At each point where these fibers cross, thermosetting plastic bonds them together to form a strong, thick resilient pad.

AmerKleen media are designed with "Progressive Density" construction. Fibers on the air entering side are interlaced in an open pattern which becomes progressively

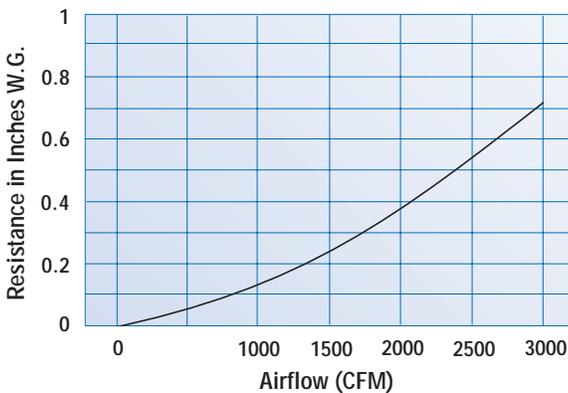
tighter. Dirt loads from back to front, taking advantage of the entire thickness of the media. This construction prevents face-loading, and increases arrestance and dust holding capacity.

■ Compressed Density Increases Arrestance

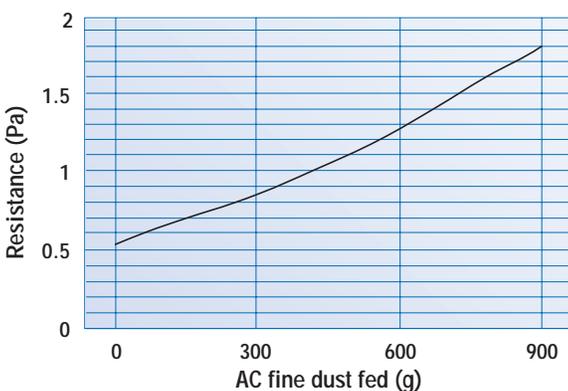
By compressing the 3¾" deep pad into the 2" depth of the retaining frame, the density of AmerKleen, and thus, its arrestance are increased further.

■ Viscosine® Retains Dirt

Viscosine® adhesive helps retain particles as they impinge on fibers, preventing them from breaking away and flowing downstream. Viscosine impregnated fibers will not migrate at temperatures up to 212°F.



Airflow resistance for a clean AmerKleen M80 pad, rated airflow is 2500 cfm.



Dust holding capacity for an AmerKleen pad with AC fine test dust at rated airflow of 2500 cfm.



Progressive Density Media Construction

AMERKLEEN M80 TECHNICAL DATA

Rated Face Velocity	625 fpm
Initial Resistance	0.5" w.g.
Recommended Final Resistance	1.5" w.g.
Average Arrestance (AFI Arizona road test fine)	89%
Thickness	3.75"





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Installation And Maintenance Instructions On Disposable Glass Fiber Filter Pads and Frames

INSTRUCTIONS FOR AMERKLEEN FILTER RETAINING FRAME AND DISPOSABLE GLASS FILTER PADS

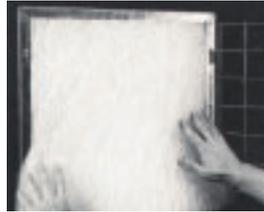
These retaining frames may be installed just as you would install a permanent metal impingement filter; however, the frame should be positioned with the hinged pins on the front grid pointing downward. This is to ensure that the grid will remain in the proper position when the front grid is opened. It is not necessary to remove the retaining frame from the installation when replacing media since the hinged grid allows fast and easy pad replacement. However, for convenience or other reasons, the retaining frame may be removed from the installation and the pads replaced at a remote location.

INSTALLING PADS

The normal procedure for servicing these industrial disposable glass fiber pads is to remove the pad from the retaining frame and replace with a new pad. When installing the new pad, check to ensure it is installed in the proper direction of airflow. With AmerKleen filters, the air-leaving side of the pad is dyed green for easy and positive identification of proper direction of airflow. Due to the progressive density construction from the air-entering to air-leaving side of these pads, the life of the filter will be substantially shortened if it is installed in the reverse position.

The air entering side of the non-color coded pads can be determined by inspection of the filter. Filters on air-entering side will be more loosely woven than on air-leaving side due to the progressive pack media.

HOW TO INSTALL:



- 1 Center the media on a retaining frame as shown in the illustration. Check that the media is installed in the proper direction of airflow.



- 2 Tuck the media behind the flanges to ensure the proper air seal.



- 3 Close the front grid, secure the latch. The filter is installed and ready for service.

The hinged grids have pins on all four corners to engage and hold the pad in place once it is properly installed. This prevents sagging of the pad or leakage of unfiltered air around its edge from vibration or heavy dust loading.

The "Rotation" method of replacement is suggested for larger installations. With this method, a number of cells are replaced at intervals rather than attempting to service the entire installation at one time. This insures a more uniform air supply by maintaining an average resistance across the filter.



10300 ORMSBY PARK PL STE 600
LOUISVILLE KY 40223-6169
P O BOX 35690
LOUISVILLE KY 40232-5690
www.aafintl.com

For Additional Information Call
888.AAF.3596
FAX 502.637.0147

