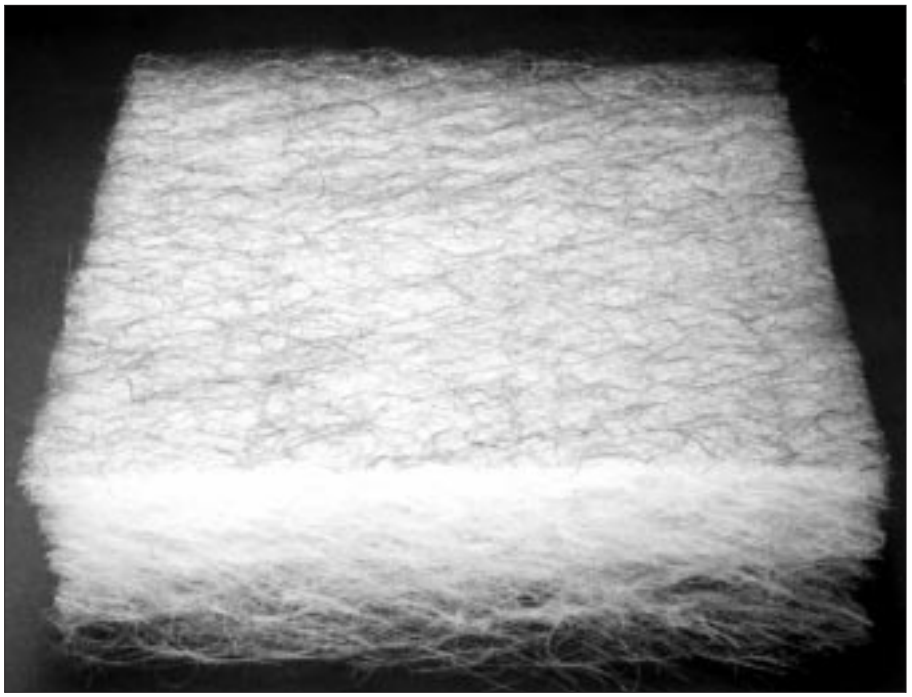
AmerKleen M80

Disposable Glass Fibre Filter Media Pad



- Glass fibre pad with progressive density
- Strong resilient design
- Impregnated with gel-like adhesive
- High dust holding capacity
- Disposable

Application

AmerKleen M80 is a high efficiency glass media which offers better value for money compared to standard, permanent metal filters. M80 pads are particularly suited for use in engine, turbine and smooth flow compressor air intake applications.

Construction

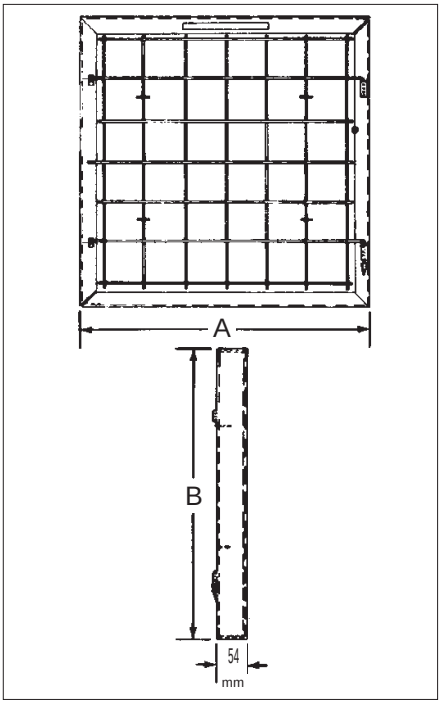
AmerKleen M80 is a disposable glass fibre pad. This pad consists of continuous glass fibres whose diameter becomes smaller and the weave progressively tighter from the air entering to air leaving side.
This structure allows dirt to penetrate deep into the media, utilizing the full depth of the pad. At those places where the fibres cross, they are glued together with a thermosetting plastic bond to form a strong, thick, resilient pad.
The dust holding capacity is further increased by impregnating the media with AAF's exclusive "Viscosine".
This gel-like adhesive will not migrate at temperatures up to 100°C.
By compressing the AmerKleen M80 pad into a retaining frame of 50 mm depth, the density and therefore the efficiency is increased even more.

Frame Dimensions

(for 24 x 24 size pad)
A (see drawing): 597 mm
B (see drawing): 597 mm

Standard Pad Dimensions

Nominal (inches)	Actual (mm)
16x20x4	413x514x95
16x25x4	413x641x95
20x20x4	514x514x95
20x25x4	514x641x95
24x24x4	616x616x95

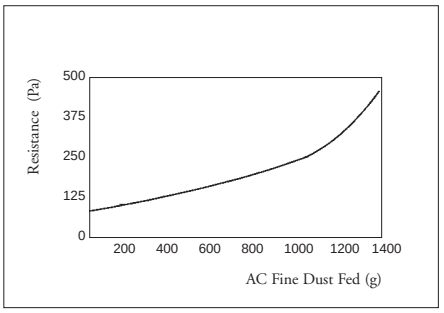


AmerKleen M80

AmerKleen M80 Technical Data

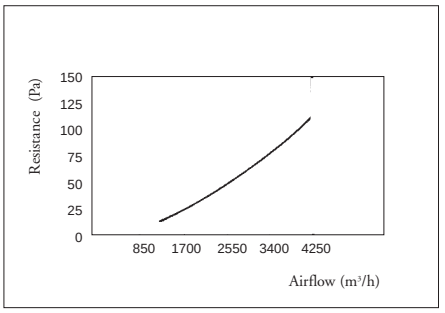
Rated face velocity (m/s)	2.5
Initial Resistance (Pa)	75
Recom. final resistance (Pa)	250
Average arrestance (%)	89
(AFI Arizona Road Dust Fine)	
Thickness (mm)	95
Colour Coding (air leaving side)	green

Dust Holding Capacity



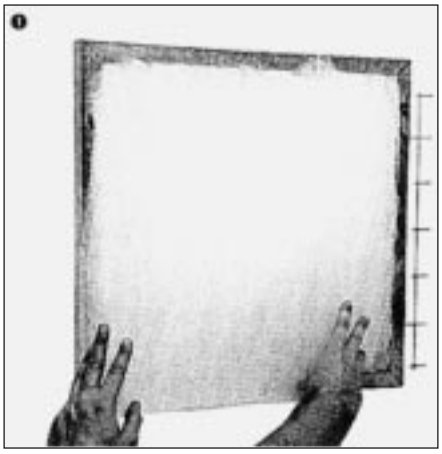
Dust holding capacity for a 24x24 pad with AC fine test dust at rated airflow of 3400 m/s.

Airflow Resistance

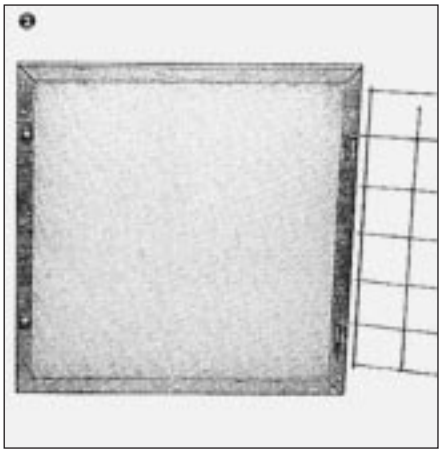


Airflow resistance for a clean 24x24 pad, rated airflow is 3400 m³/h.

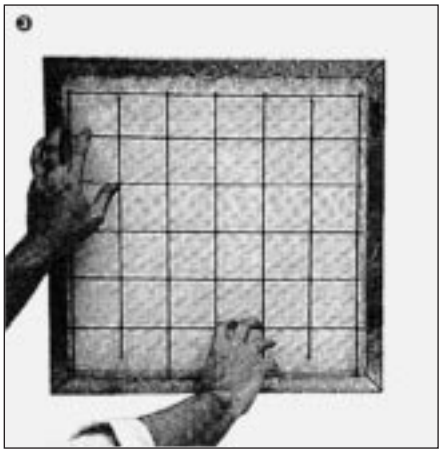
Installation and Maintenance



1. Centre the media pad on the metal retaining frame and push it into the channel of the frame to ensure a proper air seal.



2. Check that the green side of the media is on the downstream or air leaving side.



3. Close the front grid and secure the latch. The AmerKleen M80 filter pad is now installed and ready for use.

The AmerKleen M80 disposable pad can be installed in new or existing systems and arranged either in banks or in filter housings.

New Systems

In new systems, AmerKleen M80 pads are furnished with RenuKleen retaining frames. These frames can be bolted together in filter banks, saving the expense of individual holding frames. When it is necessary to remove the retaining frame for service, standard retaining frames or metal holding frames are supplied.

Existing Systems

In existing systems, the AmerKleen M80 pad and retaining frame will fit into the existing frame. The hinged grid on the front of the retaining frame enables the pad to be changed easily and quickly. AmerKleen M80 filter pads can be used wherever disposable or permanent metal filters are used. AmerKleen M80 retaining frames offer savings in filter replacement cost.

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