

## **AmericanAirFilter®** **AmerKool® M81**

### **Demister Coalescing Pad**

- **Low pressure drop**
- **Economical in use**
- **Long service life**

The M81 Demister-Coalescing Pad is a heavy duty highly efficient Mist Eliminator Pad that can be used in several different configurations to meet the specific needs of any application. Because the M81 Pad operates at a low pressure drop and is easily replaceable, it is economical to use in a variety of ventilation and air-conditioning systems. The unique construction of the M81 D/C Pad provides excellent free moisture removal at velocities up to 4 m/s.

#### **Application**

M81 D/C Pads should be used in ventilation and air-conditioning systems that require the elimination of mist/free moisture from the environment or caused by processes in the immediate area of the intake.

They are typically used in coastal areas, behind air washers, and at plant sites that have long periods of heavy rain and/or frequent heavy fog/mist.

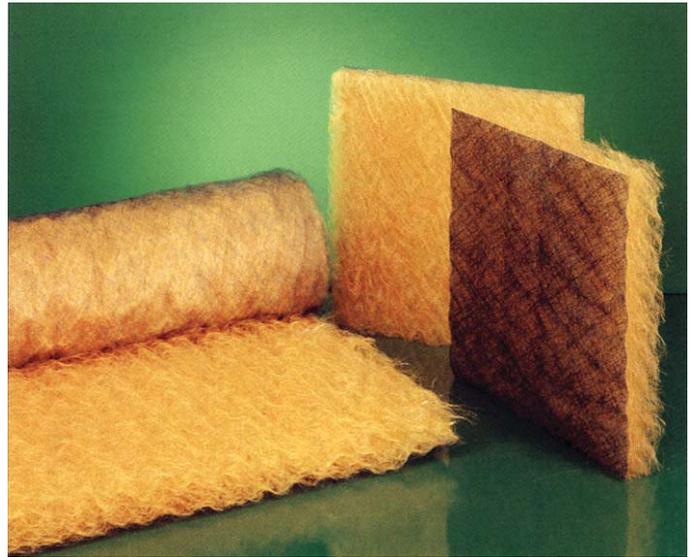
The M81 D/C Pads can be used in several configurations with increasing degrees of effectiveness.

A) One M81 D/C Pad when used alone is effective at velocities up to 2.25 m/s under light moisture conditions.

B) Two M81 D/C Pads in series held in one two inch retaining frame are effective at velocities of 3.2 m/s in heavy moisture conditions.

C) Two M81 D/C Pads held in one two inch frame directly behind the AAF 2 pass weather louvre offer the optimum performance available at velocities up to 4.3 m/s.

D) AmerKool M81 media pads are also used in types AmerKool humidifier and evaporative coolers in a 3-pad arrangement.



Drain shelves and troughs or trapped chains should always be provided for when heavy moisture is anticipated. AAF demister sections are available with integral drainage systems designed to meet each application's specific needs.

#### **Construction**

The M81 Demister-Coalescing Pad Media is made from a 75 mm (3 inch) thick blanket of continuous filament glass fibres. A specially formulated water resistant binder is applied during the glass spinning process that allows the media to maintain its thickness and resiliency when saturated. The pads are also made with an exclusive two-stage density, consisting of an open weave fibre pattern on the air entering side and a tighter weave on the air leaving side. This unique construction permits use of the full depth of the pad, thus increasing the amount of water each pad can hold.

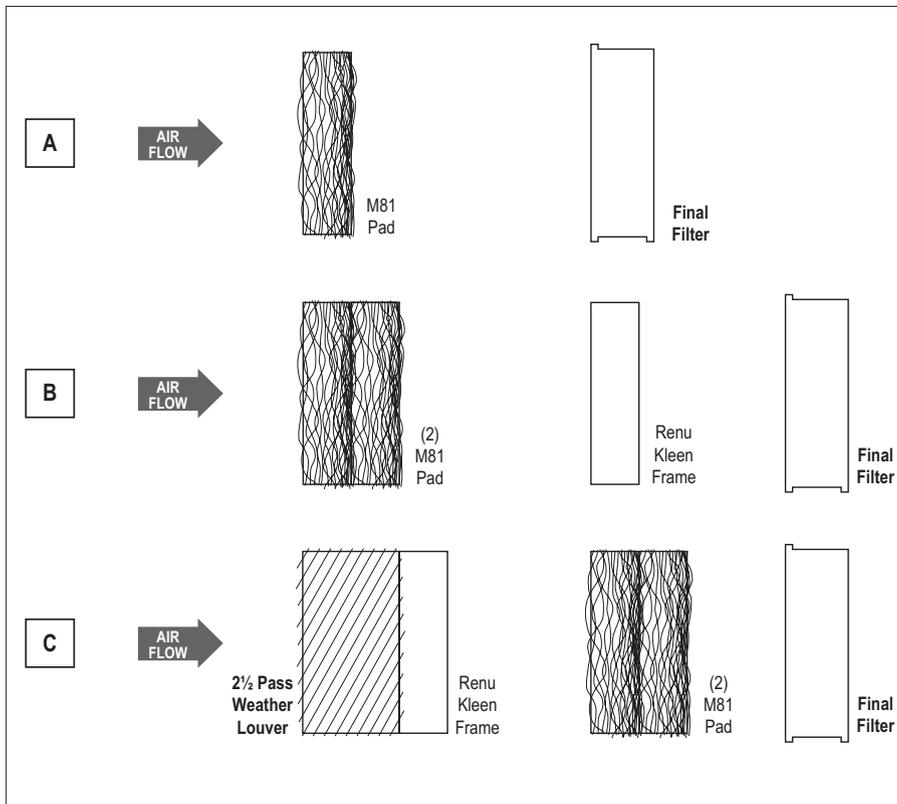
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### Specification

The media is 75 mm (3 inch) thick. It is gold with a blue tint on the air leaving side. The glass fibres have been sprayed with a water resistant binder that enables the media to maintain its thickness and resiliency while saturated with water. The media is supplied in pre-cut pads. Pre-cut pads are packaged in a corrugated fibre board box. Each box contains 20 pads.

### Product Information

Standard size pads		Quantity per Carton	Shipping Wt. per carton (kg)
Actual size WxHxD (mm)	(inch)		
508x508x75	20x20x3	20	3.5
635x635x75	25x25x3	20	5.0



### Performance data

