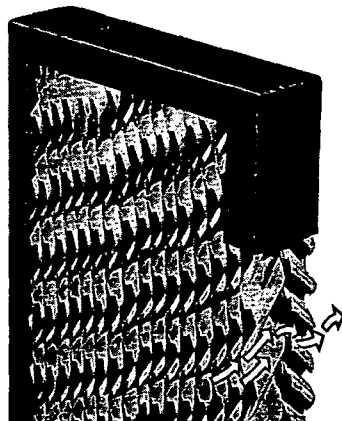


# AIR-MAZE CORPORATION

DETROIT AIR FILTER DIVISION

## DUSTAY® DISPOSABLE AIR FILTER PANELS

Engineered and constructed to provide greater capacity and longer life. Filter medium is constructed of highly absorbent fiber board and designed to change direction of air flow twice as it passes through an outer and inner wafer. This two-wafer design, as shown below, causes a scrubbing action in the air, forcing it to contact the adhesive coated passageways.



## "WICK ACTION" PROVIDES GREATER DIRT-HOLDING CAPACITY

Dust is collected on the inside cellular passages of a Dustay filter, not just the face surface alone. Dustay's highly absorbent filter medium holds more than a pound of adhesive compared to only 3 to 6 ounces for other disposable filters.

As the dust is collected it absorbs adhesive from the reserve by capillary action. This constantly maintains a dust-collecting film on the wafer surfaces and substantially increases the filter's life. Full air flow is maintained because the dust's volume decreases when it is wetted out by the adhesive.

## RESISTANCES

Filters available with resistances as low as .155 in. water at 400 ft per min. (Graphs showing resistance at various velocities are available for each type of filter.)

## SIZES

Dustay filter panels are available in the following standard sizes:

|             |             |
|-------------|-------------|
| 20 x 25 in. | 16 x 20 in. |
| 20 x 20 in. | 16 x 23 in. |
| 16 x 25 in. | 15 x 20 in. |

Four separate types, varying in the size of the cellular passages, meet a wide range of applications. Three panel thicknesses, 1 in., 2 in., and 4 in. provide varied capacities to suit individual requirements. Specific information available upon request.

## ADHESIVE

Odorless and stable. Has extremely high "wetting out" properties which maintain a tacky surface even after large amounts of dust have been collected.

For full details see your nearby Air-Maze representative, or write Air-Maze Corporation, Cleveland 5, Ohio.

# American Air Filter

COMPANY, INC.

673 Central Avenue, Louisville 8, Ky.

**HERMAN NELSON DIVISION**

In Canada: Darling Brothers, Ltd., Montreal, Quebec



**THE COMPANY:** The American Air Filter Company, Inc. is recognized internationally as an authority on air filtration and dust control. In 30 years, its leadership and scientific "know how" have been responsible for installations of AAF equipment in every industrialized part of the world. Because its continuous research, high engineering standards and exclusive specialization have been consistently maintained, AAF equipment is used by leading companies in nearly every industry and is specified by leading architects and engineers for use in commercial and industrial air conditioning.

## REPRESENTATIVE AAF PRODUCTS

**ELECTRONIC PRECIPITATORS:** For air cleaning problems requiring super-clean air AAF has developed three types of high-efficiency electronic filters. The complete line now available is the result of more than ten years of basic research and experimentation with electronic precipitation. It includes the self-cleaning Electro-Matic, the washable Electro-Cell with removable collector plates, and the

The American Air Filter Company Inc. manufactures a complete line of air-filtering and dust control equipment. A few representative types are shown here. AAF's years of experience and the scope of its knowledge dealing with the elimination of air-borne particles in every form insures maximum efficiency in application, design, manufacture and installation ... with a minimum of field engineering. Write AAF on all problems of air filtration and dust control, or its Herman Nelson Division (see pages 1164-1165) on heating or ventilating problems.

Electro-PI with the replaceable Airmat Paper medium.

These three electronic filters are now used extensively in both industrial and commercial installations. The wide range of applications has made available engineering data and performance characteristics covering innumerable air cleaning and air volume requirements. This data simplifies materially the problem of specifications and selection of filter type.

**Electro-Matic Self-Cleaning Electronic Precipitator**—The Electro-matic precipitator is an automatic electronic precipitator combining advanced principles of electronic air cleaning with an exclusive self-cleaning principle. It eliminates the necessity of shutting down the filter for manual cleaning, minimizes the need for personal attention and permits continuous high-efficiency operation. It also allows the Electro-Matic filter to be built in standardized self-contained sections, easy to install and with all exposed parts of the filter casing electrically grounded for the protection of operating personnel. Send for Bulletin No. 250.

