

AMERICAN AIR FILTER COMPANY INC.

673 Central Avenue, Louisville 8, Ky.

In Canada: Darling Brothers, Ltd., Montreal, P.Q.



Atmospheric Dust Control

AAF manufactures a complete line of air filtering equipment to be used for the removal of dust, soot, smoke, dirt, bacteria and other foreign matter from the air.

Products offered embody the knowledge accumulated from twenty-seven years of intensive research devoted exclusively to the study of dust problems and the development of air cleaning apparatus; the experience gained from designing, building and applying thousands of air filters for every type of commercial and industrial use; and may be relied upon as the most modern equipment in their field of service.

THREE TYPES OF ELECTRONIC PRECIPITATORS

For more than ten years, research and experimentation with electronic air filtration have been in progress by AAF engineers. Today's complete line includes the self cleaning Electro-Matic introduced in 1939, the washable Electro-Cell with removable collector plates, and the Electro-Airmat with the replaceable Air-

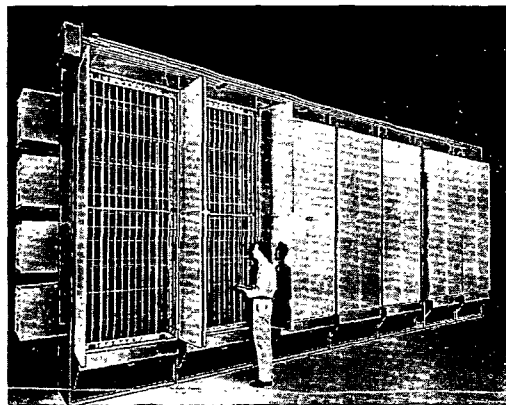
Process Dust Control

The introduction of new high speed operations; the value of "good house-keeping" in maintaining production schedules; a better understanding of the hygienic effects of dust—all these and other factors have made dust control a necessity in modern industry.

Roto-Clone Dynamic Precipitators are an AAF development. The Roto-Clone combines the functions of exhausting, separating and storing dust in a single unit. Its advantages—high efficiency dust separation over a wide range of particle sizes; uniform air delivery; compact design and ease of installation.

mat paper medium. Here is high efficiency air cleaning in three types of electronic filters to meet any requirements for super clean air.

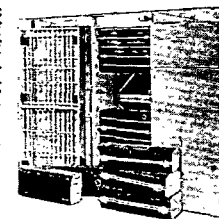
Electro-Matic Self-Cleaning Electronic Filter—The Electro-Matic filter is a self cleaning electric precipitator combining advanced principles of electronic air cleaning with notable improvements in construction details and method of operation. The self-cleaning feature is an exclusive advantage of the Electro-Matic filter. 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.



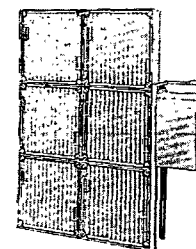
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Electro - Cell Electronic Filter—Incorporates all of the new developments of major importance in electronic air filtration using collector plates. Installation has been simplified, performance improved and maintenance advantages provided. Built in vertical sections of two widths—2 ft and 3 ft over-all. Collector plate assemblies are removable; ionizers are hinged and extend the full height of the sections, preventing current loss. A choice of washing collector plate assemblies while in place, or removing assemblies for individual cleaning. Installation is simplified because filter is built in vertical sections rather than assembled of small units. Parts to be lifted and aligned are light in weight and electrical connections simplified. Write for Bulletin No. 252.

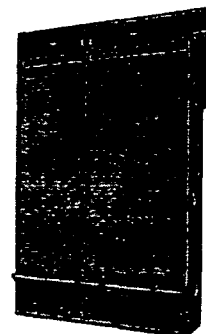
Electro-PL Electronic Filter—The application of an electrostatic charge to a dielectric filtering material is a special AAF research development which began early in 1934. Airmat paper is composed of a number of plies of porous tissue-like cellulose sheets. When electrically charged the plies tend to separate and each individual fibre becomes a collecting electrode which attracts and holds the dust and smoke particles. Ease and convenience of maintenance is a desired advantage of the Electro-PL. Requires neither water nor sewer connections for cleaning, nor spraying with oil to maintain its efficiency. When Airmat



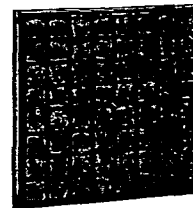
Electro-CELL Filter



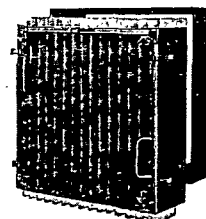
Electro-PL Filter



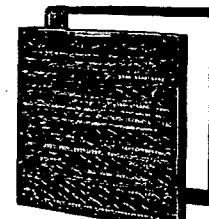
American Multi-Duty
Self-Cleaning Filter



Throway Filter



Airmat Type PL-24 Filter



M/W Filter

paper has accumulated its dust load it is removed and replaced with clean material by means of a mechanical loader. In case of power failure, filter media provides effective mechanical air filtration. Send for Bulletin No. 257.

American Multi-Duty Automatic Filter provides outstanding features of performance and design and will accommodate either armored screen panels or die stamped louver panels available in three types. Offers advantage of uniformly constant air supply, fixed operating resistance and automatic operation. Ideal for ventilation and air conditioning service. Available in any size or capacity. Send for Bulletin No. 241-A.

AAF UNIT FILTERS

Throway Air Filter—Throway filters are inexpensive and designed to be discarded after accumulating dust load. Send for Bulletin No. 117-E.

Airmat Type PL-24—Airmat filters use standard Airmat medium, renewable after collecting dust load. Used both for comfort and industrial air conditioning. Available with unit frames to be set up to meet any capacity requirement or space condition. Send for Bulletin No. 230-C.

M/W Filters—The M/W comes in 2 in. and 4 in. thicknesses. Ideally suited to air cleaning problems encountered in general ventilation and commercial air conditioning. Permanent type, washable. Send for Bulletin No. 202.

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