

Air Devices, Inc.

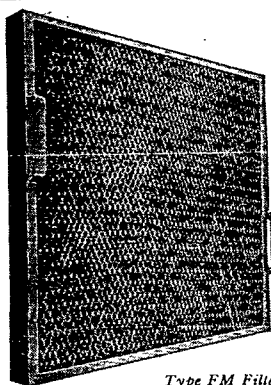
Air Diffusers • Exhausters • Air Filters
Filter Holding Frames • Hot Water Generators17 East 42nd St.
New York 17, N. Y.Agents in All
Principal Cities

AGITAIR AIR FILTERS

HIGH VELOCITY • ALL METAL
PERMANENT • CLEANABLE

Designed along entirely new air filtering principles, the high velocity Agitair Type FM permanent, cleanable air filter assures an amazingly high dust arresting efficiency and dust-holding capacity coupled with sustained low resistance to air flow. This permits the Type FM to remain in service from two to three times as long as ordinary 2 in. permanent, cleanable filters.

Although these new filters do not have to be cleaned as often, particular attention has been paid to their design to make cleaning easier and more thorough. They can be restored to top efficiency easily and quickly. Ruggedly constructed to withstand the mechanical abuse of cleaning. Panels and frames are accurately designed to prevent leakage around the filters.



Type FM Filter

HOW IT WORKS

High turbulence of many finely divided air streams is the keynote of Type FM air filter's new design. The media divides the air into countless fine streams and throws those streams into violent cyclonic turbulence. Each little "cyclone" centrifuges its dirt particles against countless viscous-coated "wiping surfaces" which virtually scrub the air clean by catching and holding the dirt. There is no straining action, hence no clogging.

HIGH VELOCITY

The Agitair FM Filter is designed to perform at highest efficiency at an approach velocity of 432 fpm—or 1200 cfm through a 20 x 20 in. filter panel. The efficiency of the FM is higher than conventional filters when operating at the lower design velocity of 288 fpm.

1/3 LESS SPACE REQUIRED

The ability of the FM to filter, with greater efficiency, 50 per cent more air at the high velocity of 432 fpm reduces the number of filter panels required. Now TWO FM's will do the work of THREE ordinary filters . . . 1/3 less space required . . . fewer units to be installed . . . fewer units to be serviced . . . overall installation and maintenance costs reduced to a minimum.

HIGHER EFFICIENCY

At the recommended velocities of other leading all metal viscous type filters, the Agitair FM has a higher dust arresting efficiency, which increases as velocities are stepped up.

LOWER RESISTANCE

The sustained low resistance of the Agitair FM means sustained peak volume of air for longer periods of time . . . no loss in air volume . . . no danger of unloading . . . clean filtered air at all times.

HIGHER DUST HOLDING CAPACITY

Employing a new formula for air filtration the new Agitair FM holds more dirt, from two to six times as much as ordinary 2 in. permanent, cleanable filters. No early clogging of air passages . . . less frequent servicing . . . lower maintenance cost.

LONGER SERVICEABLE LIFE

The Agitair FM Filter with its greater dust holding capacity, stays in service for longer periods of time; gives efficient performance for months instead of weeks or weeks instead of days.

Less frequent servicing—and rugged construction combine to give the Agitair FM Filter a much longer serviceable life.

TWO TYPES OF HOLDING FRAMES

Individual Type: Designed and constructed for easy handling in single unit installations, and to facilitate "on the job" assembly, into a multiple unit bank.

Pre-Fabricated Type: Delivered completely knocked down for easy assembly, this Agitair holding frame has been especially designed for installations requiring an unusually large number of filter panels and where cramped and unusual conditions place a limitation on available space.

GREASE FILTERS

An efficient, all-metal grease catching, grease holding media. Available in all sizes.

Air Filter Corporation

2514G W. Lisbon Ave.



Milwaukee 5, Wis.

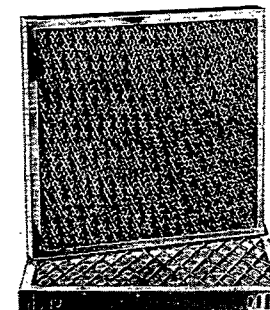
Canadian Representative

DOUGLAS ENGINEERING CO., LTD. MONTREAL

Manufacturers of AIRCOR AIR & GREASE FILTERS—the PERMANENT, CLEANABLE, VISCOUS TYPE Air Filters, designed for Heating, Ventilating, Air Conditioning and Industrial Use.

AIRCOR designers and engineers have contributed many of today's important developments in air filtration, dust, grit and grease elimination for domestic, commercial, and industrial use. Aircor Air Filters are well known for their high efficiency, low air resistance, great dust-holding capacity and low maintenance cost.

The specially designed Aircor filter core is constructed of multiple layers of crimped, electroplated wire mesh arranged to provide an exceptionally large contact area and impart a turbulent swirling action to the air passing through. Galvanized, crimped, expanded metal diffuser acts as a lint arrester to prevent lint from imbedding in filter media. All units have heavy gauge galvanized steel frames with full welded corners.

AIRCOR AIR FILTERS—TYPE F₁ & F₂

For Air Conditioning, Heating and Ventilating

A permanent, cleanable viscous type air filter with special Aircor filter mesh design that traps more dust through complete depth while providing a minimum of air resistance. Dual purpose galvanized expanded metal screen deflects air stream, acts as lint arrester—an aid in quicker, easier cleaning. Drain slots provided in filter frame. Bulletin 1245A.

Initial Resistance:

Rated Efficiency:

Type F₁ (1 in. thick) .060 in. w. g. at 288 fpm 98.5%Type F₂ (2 in. thick) .065 in. w. g. at 288 fpm 98.5%

AIRCOR INDUSTRIAL FILTERS

For Extra Heavy Duty

Specially designed for heavy duty service on industrial applications. Bulletin 146.

Initial Resistance:

Rated Efficiency:

Type D₁ (2 in. thick) .09 in. w. g. at 288 fpm 98.5%Type D₂ (4 in. thick) .10 in. w. g. at 288 fpm 98.5%

AIRCOR HOLDING FRAMES

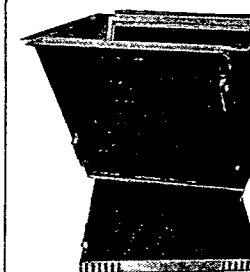
For Flat and "V" Arrangements



Engineered holding frame design provides ample filtering capacity with a minimum of space. Compact, sturdy, extremely strong and rigid, this frame construction also simplifies

filter removal and cleaning. Fireproof lining on back flange. Offers extra protection against air leakage. Available in V-type, or straight banks. Bulletin 600.

AIRCOR GREASE FILTER



Permanent, cleanable type Aircor Grease Filter specially designed to remove grease from exhaust ducts—a necessity in kitchens, galleys. Increases working comfort, decreases fire hazard, protects motors and brushes, and lengthens life of mechanical equipment. Assemblies for mounting on ceiling or wall, single or multiple units—includes holding frames, supporting angles and end seals. Bulletin 346.

1. Resistance: .07 in. w. g. at 216 fpm
Efficiency Rating: 98.5%. 2 in. Thick.
Write Air Filter Corporation for complete bulletins,