Air Devices Inc.

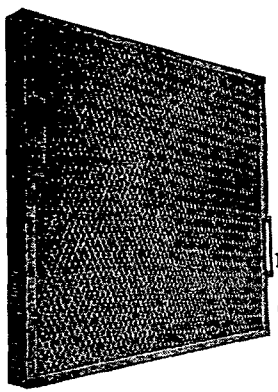
Air Diffusers Exhausters Air Filters Filter Holding Frames Industrial Furnaces

185 Madison Ave.
New York 16, N. Y.

AGITAIR PRODUCTS

Agents in All Principal Cities

AGITAIR AIR FILTERS



Type FM
HIGH
VELOCITY
•
ALL
METAL
•
PERMANENT
•
CLEANABLE

HOW IT WORKS

High turbulence of many finely divided air streams is the keynote of Type FM air filters. The media divides the air into countless fine streams and throws those streams into violent cyclonic turbulence against countless viscous-coated "wiping surfaces" which virtually scrub the air clean by catching and holding the dirt.

HIGH VELOCITY

The Agitiar 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.

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 . . . ⅓ less space required . . . fewer units to be installed . . . fewer units to be serviced . . . overall installation and maintenance costs reduced to a minimum.

HIGH EFFICIENCY

At the recommended velocities, the Agitair FM has a high dust arresting efficiency, which increases as the dust load is applied.

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.

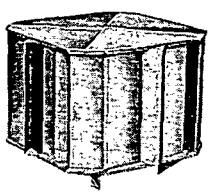
TWO TYPES OF HOLDING FRAMES

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.** Made of heavy gauge steel and delivered completely knocked down. They can be quickly and easily bolted together to form a sturdy panel bank.

GREASE FILTERS

Strong Expanded Metal Media recommended for use in kitchens where grease-ladened air is a fire hazard and a maintenance problem. Prevent grease from entering exhaust ducts, eliminate frequent duct cleaning, protect fans, greatly reduce fire hazard, and help maintain good ventilation.

AGITAIR WIND-ACTUATED EXHAUSTERS



Type CNO

Provide proper ventilation regardless of wind direction, and with positive elimination of down-draft. Functions at peak efficiency at average low wind velocities. Will not restrict the exhaust of air or gases when there is no movement of out-door air across the head.

Air Filter Corporation

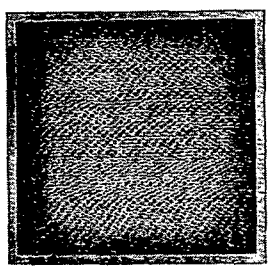
108G North Water St. Canadian Representative Milwaukee 2, Wis.

DOUGLAS ENGINEERING CO., LTD. MONTREAL

Airsan

(formerly Aircor)

AIR FILTERS Permanent-Cleanable GREASE FILTERS



AIRSAN VIRO-CRIMP FILTER

Pat: No. 2,665,876

The specially designed high velocity Airsan Viro-Crimp filter core is viscous type and constructed of horizontal layers of galvanized wire mesh so arranged as to assure a large filter-area with no appreciable pressure drop.

Its outstanding Viro-Crimp is designed to operate at face velocities of 300–500 fpm at minimum resistance. Viro-Crimp edges are hemmed, an important safety feature that provides a smooth surface, extra rigidity and filtering area.

Airsan Viro-Crimp filters are easily cleanable. Drain slots are provided, hasten drying and aid in cleaning. Airsan Viro-Crimp Air Filters are of all metal construction throughout, the formed galvanized steel frames having full bronze welded corners and joints. *Bulletin W801.*

ENGINEERING DATA

	Initial Resistance	*Rated Efficiency*
Type F_1 (1 in. thick)	.060 in. w.g. at 288 fpm	98.5%
Type F_2 (2 in. thick)	.065 in. w.g. at 288 fpm	98.5%
Type D_2 (2 in. thick)	.09 in. w.g. at 288 fpm	98.5%
Type D_4 (4 in. thick)	.10 in. w.g. at 288 fpm	98.5%
Type W (2 in. thick)	.07 in. w.g. at 300 fpm	95.1%
Type W (2 in. thick)	.012 in. w.g. at 500 fpm	97.9%

AIRSAN FILTER RETAINER

Meticulous design includes such features as positive snap locks, oil resistant rubber seals to assure no by-pass of air. Particularly flexible to any type of installation of flat or "V" banks. Easily built up to any height or width by progressive addition of Airsan Filter Retainers. Available in 2 or 4 in. sizes. *Bulletin L603.*

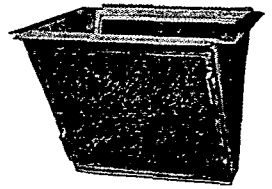
AIRSAN AIR FILTERS

Industrial Domestic Commercial

Airsan's expanded metal face plate acts as a lint arrestor to provide easier cleaning and servicing. It distributes air evenly over entire filtering area providing high filtering efficiency and dust-holding capacity with low resistance. Media is viscous type, permanent, cleanable, and is constructed of multiple layers of galvanized wire mesh to give maximum air resistance. All Airsan Filters have full bronze welded corners, galvanized steel frames and drain slots for quicker, easier cleaning.

Airsan Air Filters are available in standard 1 in. and 2 in. thickness—*Bulletin L301.* Also HEAVY DUTY filters for industrial and special applications in 2 in. to 4 in. thickness—*Bulletin L401.*

AIRSAN GREASE FILTER



Permanent cleanable type Airsan Grease Filters specially designed for range canopies, galleys, kitchens.

Removes grease at source, reduces fire hazard in exhaust ducts and prolongs life of fans, motors and other mechanical equipment. Assemblies for mounting on ceiling or wall, single or multiple units—includes holding frames, supporting angles and end seals. *Bulletin L503.*

Initial Resistance: .07 in. w.g. at 216 fpm
Efficiency Rating: 98.5% Stand.
Thickness: 2 in.

Write AIR FILTER Corp. for Complete Bulletins