

The Air-Maze Corporation

5200 Harvard Avenue, Cleveland 5, Ohio

AIR-MAZE

ENGINEERS AND MANUFACTURERS OF AIR FILTERS

DIRECT FACTORY REPRESENTATIVES IN ALL INDUSTRIAL AREAS

DISTRIBUTORS IN PRINCIPAL CITIES THROUGHOUT THE UNITED STATES

Sound Engineering—As specialists in air filtration, Air-Maze has spent over 20 years of constant research in engineering over 3000 types of filters. The enviable reputation enjoyed by Air-Maze—the result of long experience in the air filtration field with varied dirt and dust problems—assures soundly engineered filtration.

Viscous Impingement Type—Air-Maze viscous impingement, cleanable type air filters are permanently efficient in industrial, commercial and residential air conditioning systems. The filter media consists of alternate layers of crimped, galvanized screen cloth of various mesh, arranged to break up the air stream into minute, swirling currents. Dirt is impinging on the wire baffles, previously coated with an adhesive.

Dirt Arrestance—Efficiency of dirt arrestance varies, depending on filter design, type of dust, dust feed, etc. In regular service, practically all so-called "nuisance" or "abrasive" type dust is eliminated.

Resistances—Filters available with initial resistances as low as 0.045 in. water at 300 fpm. (Graphs showing resistance at various velocities are available for each type of filter.)

Face Velocities—Various Air-Maze filters are designed to operate efficiently at any velocity, including 100, 300, 500, 1500, and up to 2000 fpm, depending upon application; pressure drop available, etc.

Sizes—Air-Maze filter panels are rectangular in shape and can be made in any reasonable size and thickness. 1 in., 2 in. and 4 in. thicknesses are standard. Specially shaped filters are built to your specifications.

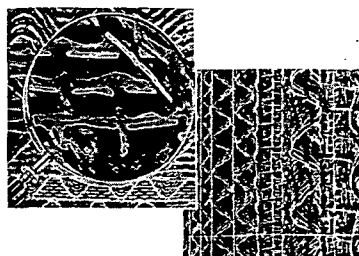
Photo at extreme right shows cross-section of selective filtration principle and large dirt holding capacity in typical Air-Maze filter panel.

In the left-hand photo, a magnifying glass shows the smooth round wire baffles collecting dirt in "streamlines", thus presenting low resistance to air flow despite heavy collection.

Holding Frames—Holding frames, complete with felt seal and choice of locking devices, are supplied when requested. For filter banks, Air-Maze furnishes either assembled frames or will drill frames for assembly on the job.

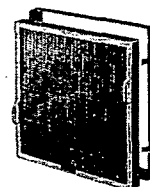
Cleaning Data—Air-Maze filters are easily cleaned with hot water, steam or any commercial solvent. They are charged by immersing in recommended adhesive or S.A.E. 30-50 oil.

Write for Details—Write for complete information and let Air-Maze engineers work with you on your air filtration problem. See your classified telephone directory for Air-Maze factory representatives or distributors.

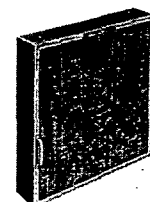


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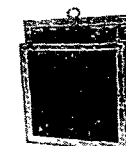
TYPE "A"
with holding frame



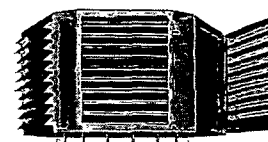
TYPE "B"



Humidifier,
P-5 (4'')



Oil Separator
(R66-B)



A "doghouse" installation for compressors and engines using Air-Maze panel filters. Furnished with or without weather louvers. One louver is shown open.

Type "A"—Built for heavy-duty service. Scientific fabrication of media results in open construction, large dirt-holding capacity, without undue increase in restriction.

Type "B"—Recommended for average dirt conditions, or where shorter servicing intervals are acceptable.

Kleenflo*—For home unit conditioners and recirculated air systems.

Greastop*—Prevents grease nuisance and fire hazards in kitchen ventilating ducts, and reduces blower and motor maintenance by collecting entrained grease in exhaust cooking vapors. Greastops eliminate duct cleaning expense.

*Trade Mark Registered

SPECIAL FILTERS FOR SPECIAL APPLICATIONS

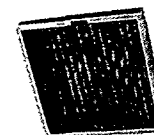
Humidifier—Increases humidity for many industrial processes where dry atmosphere may be harmful or present a fire hazard. Effective for evaporative cooling installations. Panels also available for separation of liquids from air stream. Bronze construction.

Flame Arrestor—Panel open enough to permit air to pass freely, yet will prevent explosion on one side from igniting air-gasoline mixture on other side. Excellent for mines, grain elevators, liquid storage installations, etc.

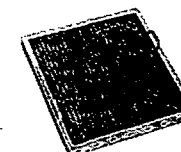
Oil Separator—Removes entrained oil, kerosene and other liquids from air. Oil collecting media is removable. Filters can be applied to exhaust systems in connection with coolants, cutting oils, degreasers, etc.

TYPICAL APPLICATIONS

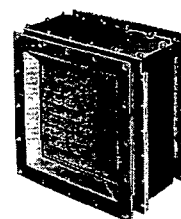
Air-Maze panel filters arranged to save space with a maximum amount of air flow.



Kleenflo



Greastop



Flame Arrestor

