

Air Devices, Inc.

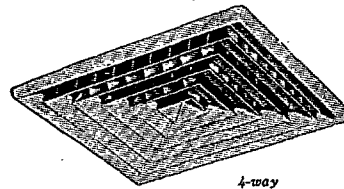
Air Diffusers • Exhausters • Air Filters
Filter Holding Frames • Hot Water Generators

17 East 42nd St.
New York 17, N. Y.

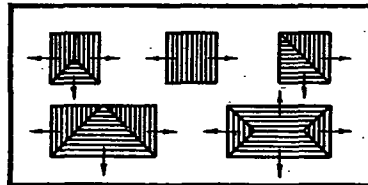


Agents in All
Principal Cities

AGITAIR DIFFUSERS



4-way



Circular AGITAIRS combine beautiful design with finest operating features to give rapid temperature equalization and draftless diffusion of air. Model CSF is quiet, easy to install. Pressure losses at minimum. Type A diffusers are smaller, weigh less, are easy to install. Type CM is for marine use. In all sizes for all types of mounting and with lighting combinations. Dampers are provided where needed.

The AGITAIR Diffuser Data Book, available to architects and engineers, will help you design and install air distribution systems. Consult our engineers.

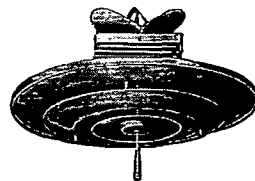
Type R AGITAIR is the only diffuser that offers the higher efficiency of the square or rectangular shape in diffusing air quietly, draftlessly and with rapid temperature equalization throughout the average square or rectangular room. Its patented construction can be assembled into patterns which discharge the required amount of air in one to four directions.

Each side delivers a quantity of air proportional to the areas served. Thus the engineer or architect can select an attractive diffuser that fits his design—rather than make his design fit the diffuser.



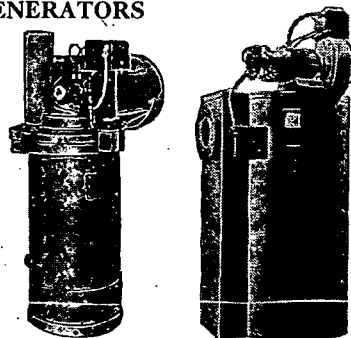
Type A 125

Model CSF
with Type
B Damper



OIL BURNING HOT WATER GENERATORS

Ideal for hot water or heating service in domestic, apartment house, industrial and marine applications because they are light in weight and can be installed without special foundations or floor coverings. The AGITAIR is down-fired to conserve floor space and facilitate servicing of the burner. Burner is fully automatic, with simplified design to reduce weight, cost of installation and possibility of failure. Special stacks are not necessary. Type A, weight 300 lb, 400 to 1000 sq ft radiation. Type B in larger capacities from 1000 to 4500 EDR. Ask for bulletin.



AGITAIR AIR FILTERS

Permanent, cleanable AGITAIR Air Filters give more effective filtering with greater dust holding capacity and exceptionally low resistance.

The new, improved filter medium divides the air stream into myriads of streams which impinge upon and deposit dirt and dust on the viscous coated surfaces. Large interstices provide exceptional dust-holding capacity—AGITAIR serves longer without cleaning.

Ideal for applications where filters are in service for many hours without a "rest" period, because AGITAIR'S viscous coating has a vigorous "wick action" that keeps the surface of the dust deposit always wet, no matter how fast the dust cake builds up.

Construction is sturdy arc-welded steel, with protected faces to withstand severe cleaning abuse. They are easier to clean, and can be returned to top efficiency with little trouble.

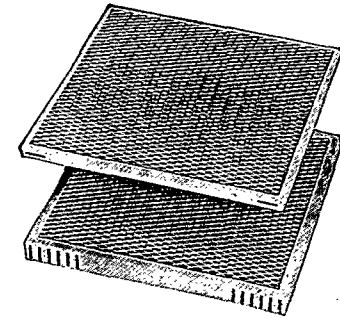
Heating, ventilating, and air conditioning: AGITAIR Air Filters in thicknesses of 1 in. and 2 in. Sizes up to 1200 sq in.

Industrial: Heavy-duty AGITAIR filters 2 in. and 4 in. thick. Sizes up to 2400 sq in. AGITAIR engineers have solved many industrial air filtering problems, such as protection for heavy blowers and other equipment. Call on our experience.

Grease Filters: For kitchens, etc. Capacity 1½ cfm. per sq in. with fan system; 1 cfm. per sq in. on gravity exhaust. Standard sizes up to 25 x 30 in.; others to 2400 sq in. Complete assemblies available.

FILTER HOLDING FRAMES

Adaptable to all types of installations. Saves time and labor, eliminates bolts and rivets in frame, and minimizes air leakage.



Typical Filter Holding Frame

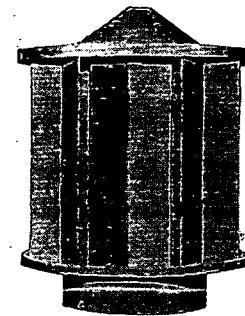
Made of heavy steel, assembly is sturdy, neat. Available for all standard and special sizes of AGITAIR filters.

V-Type assemblies of AGITAIR filter holding frames are available to increase filter area where space is limited.

AGITAIR WIND-ACTUATED EXHAUSTERS

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 flow of air or gases when there is no movement of outdoor air across the head.

Available in sizes from 4 in. to 48 in. neck diameter, with capacities shown at right. For calculation of natural ventilation requirements, and for proper design principles, refer to Chapter 9 of this GUIDE. Fan-equipped units also for higher ratings. Bulletin EX-101.



Capacity—
Wind-Actuated

Size of Vent O. D. Neck	Neck Area Sq Ft	Nominal Capacity cfm
S 4"	0.0873	38
S 6"	0.1964	86
S 8"	0.3491	154
S 10"	0.5454	240
S 12"	0.7854	346
S 14"	1.069	470
S 16"	1.396	614
S 18"	1.767	777
S 20"	2.182	960
S 22"	2.640	1162
S 24"	3.142	1382
S 28"	4.276	1881
S 32"	5.385	2457
S 36"	7.059	3110
40"	8.727	3840
44"	10.36	4626
48"	12.51	5500