

Air Devices, Inc.

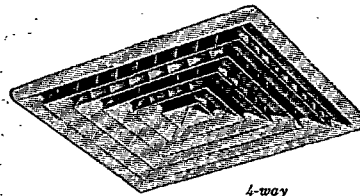
Air Diffusers • Exhausters • Air Filters
Filter Holding Frames • Hot Water Generators

17 East 42nd St. —
New York 17, N. Y.

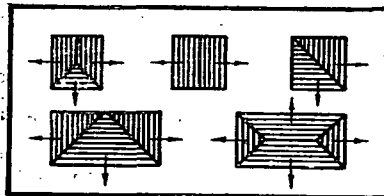


Agents in All
Principal Cities

AGITAIR DIFFUSERS



4-way

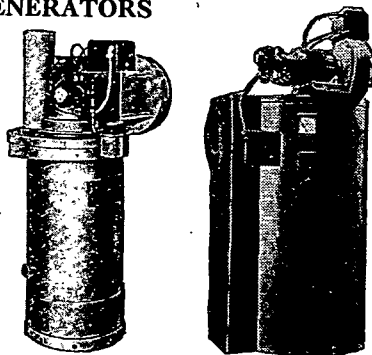


Circular AGITAIRS combine beautiful design with finest operating features to give rapid temperature equalization and draftless diffusion of air. Model CSF is quiet, easy to install. Pressure losses at minimum. Type A diffusers are smaller, weigh less, are easiest to install. Type CM is for marine use. 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.

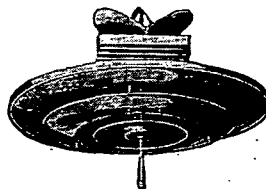
OIL BURNING HOT WATER GENERATORS

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.



Type A 125

Model CSF
with Type
B Damper



AGITAIR AIR FILTERS

Permanent, cleanable AGITAIR Air Filters give more effective filtering with greater dust holding capacity and exceptionally low resistance. The filter media divides the air stream into myriads of streams which impinge upon and deposit dirt and dust on the viscous coated surfaces of the media. Construction is sturdy arc-welded steel, with protected faces. Agitair Filters are easier to clean. Write for Bulletin AF44-1.

Type P AGITAIR Filters, for heating, ventilating and air conditioning systems. Capacity 2 cfm per sq in. at 288 fpm. Initial resistance: Type P1, 0.06 in. w.g.; Type P2, 0.065 in. w.g. Sizes up to 1200 sq in. Bulletin FP44-1.

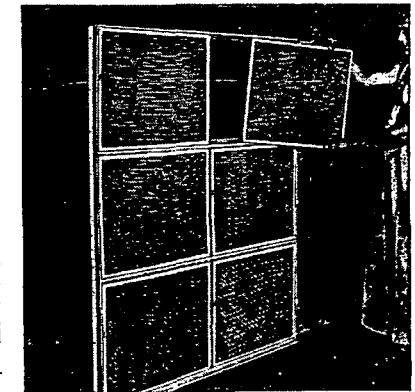
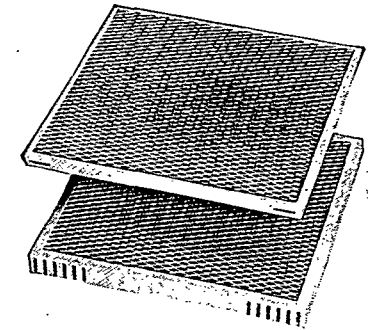
Industrial, heavy duty Permo-Aire filters. Capacity 2 cfm per sq in. at 288 fpm. Initial resistance: 2 in. thick, 0.09 in. w.g.; 4 in. thick, 0.10 in. w.g. Sizes up to 2400 sq in. AGITAIR engineers have solved many industrial air filtering problems, such as protection for heavy blowers and other equipment. 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. Initial resistance: 0.07 in. w.g. at 216 fpm; 0.02 in. w.g. at 72 fpm. Standard sizes up to 25 x 30 in.; others to 2400 sq in. Complete assemblies are available.

FILTER HOLDING FRAMES

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

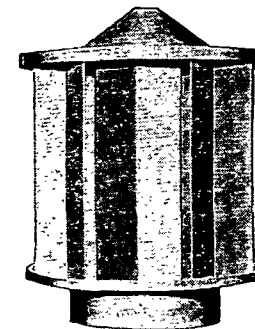


Typical Filter Holding Frame

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 42 of this GUIDE. Fan-equipped units also for higher ratings. Bulletin EX44-1.



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	5.585	2457
S 36	7.069	3110
40	8.727	3840
44	10.56	4626
48	12.51	5500