The Cooling & Air Conditioning Corp.

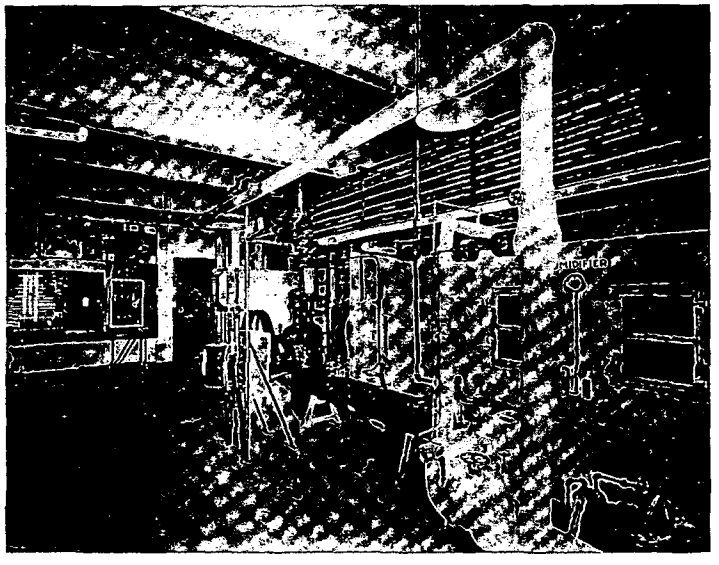
Executive Office

31 Union Square
New York City

BOSTON
CHICAGO
ATLANTA
PITTSBURGH

Engineers and Contractors

Automatically Controlled Air Conditioning Systems: Cooling—Humidifying—Dehumidifying — Heating — Ventilating — Drying — Ross Paper Conditioning — Fleisher Bakery Systems



Complete Dehumidifying Equipment

Air Conditioning Systems are designed to overcome the handicaps imposed on industry by variations in weather, or adverse climatic conditions. They insure to the manufacturer that effect on materials and processes which can only be produced by ideal temperature and humidity values, making his plant entirely independent of the seasons or changeable daily weather.

Whether the cure for such difficulties involves the creation of high or low temperatures and high or low humidities in any combination, this organization offers a broad experience in the careful design of dependable equipment united with the highest type of engineering and contracting service.

In addition to the treatment of industrial departments requiring humidifying or dehumidifying, the cooling of theatres, moving picture houses, cafes, and other places of assembly are fields in which we have specialized with marked success.

The experienced active personnel of this organization enables us to design and install automatically controlled cooling and air conditioning equipments of any size, for any purpose and having had broad experience in practically all fields where this type of equipment is employed, our sales engineers will be glad to cooperate with those requesting their service.

Knowles Mushroom Ventilator Co.

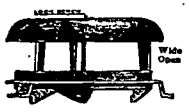
202-204 Franklin Street, New York

Knowles Air Diffusers for Auditoriums of Theatres, Churches, Schools

Knowles *Nu-Notch* Mushroom Ventilators are rigid because head has three outer bearings. Ten recessed notches give close regulation of air. Head is positively locked in position by tightening the head screw. Inside of cap is free from obstructions which retard the easy flow of air.

Three screwholes in floor flange are provided for fastening to wood floor or three steel L-lugs for setting in concrete. These lugs are fastened to the floor flange with bolts, permitting replacing of floor casting without disturbing concrete, or by 3 set-screws in floor collar to secure to sleeve.

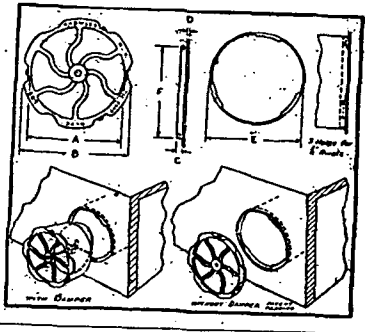
Supplied with dome or flat tops.



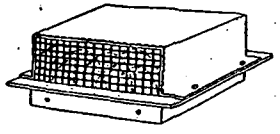
Size	C. f. m. at 300 Vel.	Area, Sq. Ft.	Weight, Lbs.
4" diam.	27	0.0873	2.75
5" "	42	0.1364	3.50
6" "	60	0.1964	4.25
7" "	81	0.2673	5.75
8" "	105	0.3491	8.00
10" "	165	0.5454	11.75

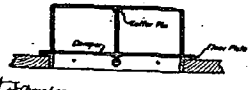


Knowles *Disc-Loc* Gallery Riser Ventilators are designed to insure better control of air. Round holes in the gallery risers do not weaken the construction but, on the contrary, with the cast iron rings it is actually strengthened. The sleeve is a plain galvanized iron cylinder, with a ½ in. turnover flange, and with a special cast iron ring, riveted flush to the inside front end. Sleeves are grouted in when concrete is poured. The cast iron grill is quickly inserted and locked by a simple twist motion—no bolts, screws or springs. Furnished with or without damper to fit same rings.



***Tu-Way* Air Deflectors** are designed to give maximum area of discharge of air with minimum fixed height. The air is discharged at both ends along the row of seats. Do not interefere with the back of chair seats when they are raised. Made of heavy cast iron with heavy wire screens locked into grooves at each end. Damper easily adjusted with screwdriver.

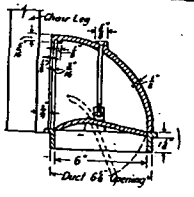




Size No.	Dimensions, Inches, Disc-Loc						Net Area Sq. Ft.	C.f.m. at 300 Velocity
	A	B	C	D	E	F		
4	3¾	5⅛	7/16	1/8	4¾	4	0.08	24
5	4¾	6¼	½	1/8	5⅝	5	0.13	39
6	5¾	7⅜	9/16	1/8	6⅞	6	0.19	57
7	6⅞	7⅞	1¼	1/8	7⅝	6⅞	0.24†	72

Size *No.	Dimensions, Inches			Area, Sq. Ft.	C.f.m. at 300 Velocity
	High	Wide	Long		
2	2	8	4	0.223	67
3	3	8	6	0.333	100
4	4	8	8	0.45	134
5	5	8	10	0.56	167
6	6	8	12	0.67	200

*With or without regulating damper. †Square grill.



Standard Aisle Hood Air Deflectors are used to throw the fresh air out into the aisles in one direction. They provide the engineer with an inexpensive method of introducing a large volume of air wherever needed without causing annoying drafts. A curved damper reduces friction loss.

	Long	Wide	High	Lbs.	C. F. M. at 300 Vel.	Area Sq. Ft.
Small Size.....	8"	4½"	4½"	9½	75	0.25
Large Size.....	8"	6"	6"	13	100	0.333

May also be made in any size to suit conditions.

Send for NEW BOOKLET *of Complete Engineering Data*