

American Blower Corporation

General Offices: Detroit

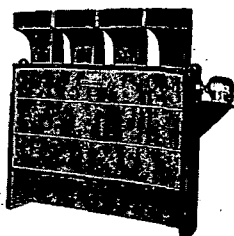
Works: DETROIT, MICHIGAN—BOND HILL, CINCINNATI, OHIO

Branch Offices in Principal Cities of United States and Canada

HEATING AND VENTILATING EQUIPMENT

"SIROCCO" UNIT HEATER

Built with all the requirements of the ideal industrial heating system in mind—high efficiency, light weight heating element, compactness, dependability, even distribution of heat, economy of installation and operation, accessibility of parts, ease of control. For a given size and tip speed the Sirocco Unit Heater delivers more heated air than any unit of which we know. Fourteen standard sizes. Capacities: 290 to 3200 sq. ft. E. D. R.

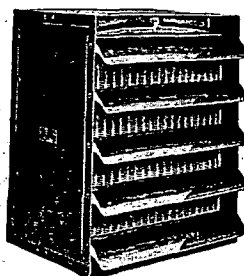


"Sirocco" Air Washer

VENTURAFIN UNIT HEATERS

For use in modern industrial buildings, stores, garages, etc., and designed to keep the heat in working areas where it is needed.

Venturafin Units are adaptable to High, Medium or Low Pressure Steam Applications—for floor, wall or ceiling installation. Venturafin Units are easy to install—economical to operate and maintain. Six standard sizes. Capacities: 140 to 675 sq. ft. E. D. R.



Venturafin Unit Heater

Complete Catalogs and Data Supplied on Request

The Dixie Blower Company

1351 West 37th Place, Chicago, Ill.

Manufacturers of Dixie Unit Heaters

Dixie Unit Heater

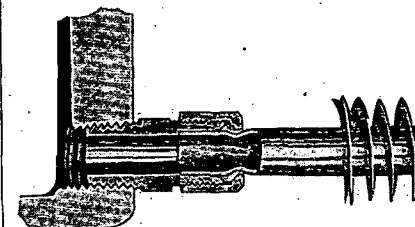
The Dixie Unit Heater is adapted to any service for which a unit heater can be used, including the heating of warehouses, factories, offices, theatres, garages, churches, auditoriums, and many special applications for which a heater of high quality is required.

The Dixie Unit Heater is so constructed that it can be either suspended from the steam line or from an overhead support. The direction of the air is regulated by the adjustable shutters, at any angle from a horizontal direction straight down to the floor.

Dixie Unit Heaters are constructed and tested to operate continuously on any steam pressure up to 150 lb. Dixie cores have been tested at several times this pressure and found to be satisfactory. This is made possible by the use of the highest grade material throughout and by the patented compression coupling, which eliminates the possibilities of all leaks between the tubes and the headers. Each tube is inserted in its proper place and the coupling tightened up by hand. Each core is a job in itself.

The tubes of which the Dixie core is constructed are made of heavy weight $\frac{3}{8}$ in. seamless copper tubing upon which a spiral copper fin is securely fastened.

is guaranteed to be leak-proof. A further outstanding feature of this design is the ease with which a tube can be replaced in case of damage. It is only necessary to unscrew the coupling and lift out the tube. The hole in the header can be plugged with a $\frac{1}{4}$ in. pipe plug and the unit put back into operation. The Unit need not be



Cross Section of Compression Coupling Used in the Dixie Unit Heater

out of service more than a few minutes, an incalculable advantage where service is required.

In a test to determine the holding strength of this compression coupling, 11,000 lb. (2½ tons) pull was exerted trying to pull the headers apart. Although the tubes were stretched nearly one-half inch the compression couplings held perfectly and the unit remained intact.

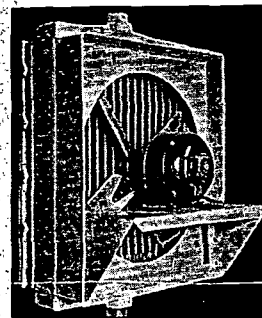
Compression Coupling

An outstanding feature of the Dixie Unit Heater is the patented compression couplings employed between the tubes and the headers. These couplings insure a connection which

Ratings at 5 lb. Steam Pressure

	Air Entering Heater ° F.	Air Leaving Heater ° F.	B.t.u. per Hour	Condensate Lbs. per Hour	Equip. Sq. Ft. Direct Rad.	Cu. Ft. Air per Minute	Shipping Weight Lbs.
No. 1700	40	130	465240	484	1920	6400	550
	50	136	456500	454	1816	6400	550
	60	141	410680	428	1712	6400	550
	65	143	401000	416	1664	6400	550
	70	144	387020	404	1616	6400	550
No. 800 B	40	130	232620	242	960	3200	230
	50	136	218250	227	908	3200	230
	60	141	205340	214	856	3200	230
	65	143	200500	208	832	3200	230
	70	144	193510	202	808	3200	230
No. 500	40	130	146880	155	612	1300	170
	50	135	138240	146	576	1300	170
	60	143	128880	136	537	1300	170
	65	145	124800	134	520	1300	170
	70	147	121160	129	509	1300	170
No. 200	40	134	50880	53	212	920	120
	50	138	45120	47	188	920	120
	60	142	40320	42	168	920	120
	65	143	38400	40	160	920	120
	70	144	34520	37	148	920	120

Dixie Unit Heater No. 800—Model A uses an 850 r.p.m. motor. Ratings on Model A are 25 per cent less than Model B. Three-speed alternating-current motors operate at 500, 850 and 1150 r.p.m.



Rear View Dixie Unit Heater