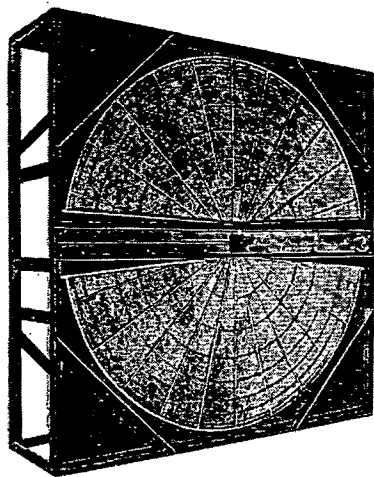


P.O. Box 577



Far Rockaway, N. Y.



WHAT IS A "THERM-O-WHEEL"

Therm-O-Wheel is a rotary heat exchanger specifically designed to effect savings in fuel, power, and equipment when used in heating, ventilating and air-conditioning systems.

Therm-O-Wheel is used when an exhaust system is throwing away costly heated (or cooled) air which has been contaminated by use. When utilized to preheat a fresh air supply, Therm-O-Wheel transfers heat from the exhaust air stream to the fresh incoming air stream. Similarly, when used for pre-cooling fresh air, the Therm-O-Wheel transfers heat from the incoming fresh air to the exhaust air stream.

TESTS HAVE SHOWN THAT THE "THERM-O-WHEEL" YIELDS 80 PERCENT to 85 PERCENT HEAT TRANSFER EFFICIENCY!!

The Therm-O-Wheel is a rotating cylinder fitted with radial partitions and packed with metal wool which turns continually through two separate air streams. The metal wool picks up the heat from one air stream and transfers it to the other air stream. This heat transfer is a continual process, and operates on the principle that heat flows when a temperature difference exists between two air streams. Ideal heat transfer would be taking place if all of the heat from the hot, contaminated air could be transferred to the incoming fresh air. Such complete heat transfer is not practically possible. The Therm-O-Wheel for the same investment, approaches complete heat recovery much more closely than any conventional heat exchanger!

THERM-O-WHEEL TYPICAL APPLICATIONS

Ventilation of schools, offices, printing plants, abrasives manufacturing, plastics manufacturing, welding plants, breweries, etc. Therm-O-Wheels are also used in heat recovery for drying kilns, solvent vaporizing ovens and other fuel-fired equipment drawing combustion air from the ambient or directly from outdoors. Another important application is in the ventilation of air-cooled or air-conditioned rooms, theatres or buildings.

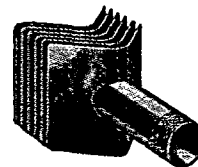
THERM-O-WHEEL SPECIFICATIONS

Model No. (Wheel Diam.)	Rating, Standard CFM	Motor HP	Height & Width	Round Frame		Square Frame	
				Thickness	Wgt., lbs.	Thickness	Wgt., lbs.
48"	3,000	1/4	54"	28"	550	26"	650
61"	5,000	1/2	70"	28"	750	26"	850
88"	10,000	3/4	95"	30"	1200	26"	1400
102"	15,000	3/4	110"	30"	1600	26"	1900
120"	20,000	1	128"	30"	2100	26"	2500

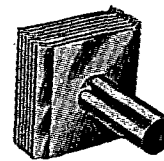
SLANT-FIN RADIATOR CORPORATION

87-49HV 130th Street Richmond Hill 18, N. Y.

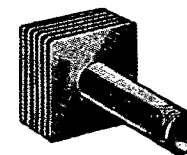
Representatives in Principal Cities



Slant-Fin Series "A"



Slant-Fin Series "B"



Slant-Fin Series "C"

FEATURES OF DESIGN AND CONSTRUCTION

SLANT-FIN improves the effectiveness of finned tube radiation through a special engineering process. Full weight steel pipe is passed through a swaging machine and brought to uniform outside diameter. Under tons of hydraulic pressure the uniformly round pipe is forced through undersized holes in the die-formed fins. This heavy force-fit assures a reliable and permanent thermal bond, structurally strong and noiseless under all operating conditions.

THREE PROVEN SLANT-FIN DESIGNS—OVER 27 HIGH PERFORMANCE COMMERCIAL ELEMENTS.

Slant-Fin manufactures 3 types of finned elements in a wide range of fin spacings and tube sizes, with 5 enclosure styles.

SLANT-FIN SERIES "A" ELEMENTS: The distinctive V-shaped fin, with patented notched flange. Available in Steel-tube with Steel-fin, Copper-tube with aluminum-fin, Stainless Steel, or to specification for special process installations. Specified for its ability to withstand punishing conditions. V-shaped fins bent at 45 deg adds 37 percent radiation surface; extra width between fins provides uniform heating, unrestricted air circulation... patented notched flanges permit expansion-contraction without snapping or buckling... operation noiselessly.

STOCK LENGTHS IN EVERY INTEGRAL FOOT FROM 2 FT TO 12 FT. AVAILABLE FOR ALL SERIES. CAN BE USED SINGLY OR IN TIERS. 5 ENCLOSURE STYLES PROVIDE FOR EVERY INSTALLATION REQUIREMENT

Request Catalog No. 600



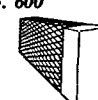
Type J Slope-Top
Enclosure



Type R Rounded-
Top Enclosure



Flat-Top
Enclosure



Expanded Metal
Covers



Steel-Pak
Enclosure

SLANT-FIN RESIDENTIAL BASE-BOARD: Contractor-designed for easy installation, labor and material economy. 2 3/4 in. wide aluminum blanks bent to 2 1/8 in. width for 29 percent extra heating surface. Interlocking "fin-flange"

erates noiselessly. Fins remain firmly bonded, maintain peak efficiency. Tube ends threaded or chamfered for welding. **SPECS:** Steel-Tube with steel fin, 1 1/4 IPS with 3 1/2 in. sq & 4 1/4 in. sq fins; 2 in. IPS with 4 1/4 in. sq fins. Copper-tube with aluminum fins; 1 1/4 in. COP. with 4 1/4 in. sq fins.

SLANT-FIN SERIES "B" ELEMENTS: A design variation of the V-shaped fin offers outstanding strength, extra heating surface, elimination of troublesome "ping" noises. Fins firmly bonded to tube, interlocked at flange, by Slant-Fin's "Tooth and Bubble" construction. Installs with minimum effort. **SPECS:** 1 1/4 in. COP. with 4 1/4 in. sq aluminum fins bent from 4 1/4 in. x 4 1/4 in. blanks for 14 percent more surface.

SQUARE-FIN SERIES ELEMENTS: Similar in appearance to standard finned-tube products, our Square-Fin is manufactured to the same precise engineering specifications and high-quality standards as the Slant-Fin series. Available in numerous heating capacities and a wide range of fin spacings. "Tooth-and-Bubble" construction gives excellent thermal bond. Installs as easily as pipe. **SPECS:** 1 1/4 in. IPS and 2 in. IPS with 4 1/4 in. fins; COP. with 4 1/4 in. aluminum fins.

STOCK LENGTHS IN EVERY INTEGRAL FOOT FROM 2 FT TO 12 FT. AVAILABLE FOR ALL SERIES. CAN BE USED SINGLY OR IN TIERS. 5 ENCLOSURE STYLES PROVIDE FOR EVERY INSTALLATION REQUIREMENT

Request Catalog No. 300