

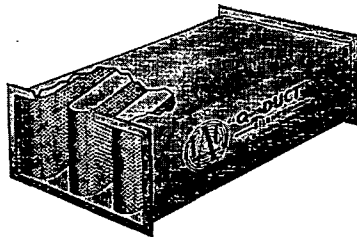
INDUSTRIAL ACOUSTICS COMPANY, INC.

341 Jackson Avenue New York 54, N.Y.
SPECIALISTS IN NOISE AND PULSATION CONTROL
Manufacturers of Engineered Acoustical Products for Industry



STANDARDIZED PACKAGED SILENCING
GUARANTEED PERFORMANCE AT LOW COST

"Quiet-DUCT"
Silencing Units



"Quiet-DUCT" Silencers are pre-fabricated in several hundred standard sizes and unlimited number of special "made to order" sizes. The Quiet-DUCT Silencers can be easily fitted into existing systems or in the design stage of new projects. They offer the following advantages:

1. "Quiet-DUCT" Silencers, measuring in length from 2 to 10 feet will provide as much noise control as conventional "lined" duct measuring from 30 to 200 feet long. The resulting economies both cost-wise and space-wise are obvious.
2. The attenuation data available for "Quiet-DUCT" Silencers has been determined by actual test thus eliminating any guess-work.
3. Pressure drop data are also the results of actual airflow measurements in our laboratory.

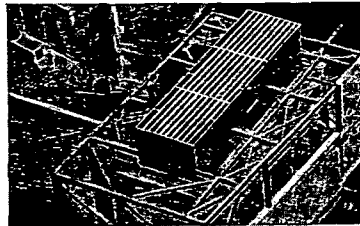
"Quiet-VENT"
Silencing Units

"Quiet-VENT" Silencers prevent the passage of sound in either direction yet permit the circulation of air. Designed to fit snugly inside walls or to "hug the wall" in the economical "hang-on" type "Quiet-VENT" Silencers are available

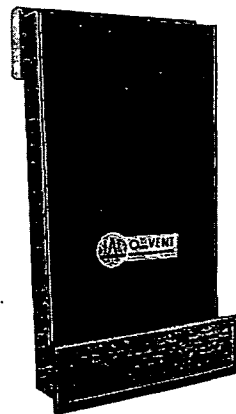
in depths of 3½ in., 5 in. and 7 in. and widths of 30 in. and 42 in. to handle from 260 to 1710 cfm each. Used in offices, factories, apartments, homes, etc.

Technical Data regarding all phases of Noise Control for Industry is available by writing to the Industrial Acoustics Company, Inc.

"Quiet-FLOW"
Silencing Units



"Quiet-FLOW" Silencers for control of cooling tower noise through the use of special acoustic panels (and adjustable Helmholtz Resonators when necessary) assure maximum attenuation of both low and high frequencies.



Lockport Mills, Inc.

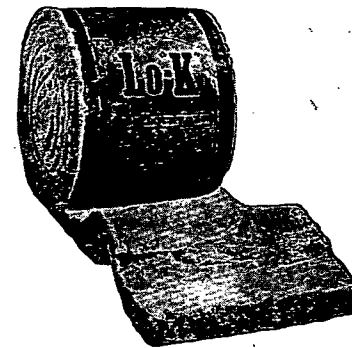
Thermal and Acoustical

INSULATION



Dept. C.

Lockport, N. Y.



Thermal Conductivity—The "k" value for cotton is 0.24 Btu/hr/sq ft/degree F/inch. (See table.)

Light Weight—Weight of 1 cu ft is ⅓ lb. (See table.)

Flame-Proofed—Withstands 1800F blow torch heat.

Moisture-Resistant—Chemical treatment, combined with natural protective coating on cotton fibres, enables cotton to effectively resist moisture. Prevents rot and mildew.

Smooth Texture—No sharp particles to irritate the skin.

Easy to Warehouse and Handle. Offers far more "compressibility." Requires one-third the trucking and warehouse space of ordinary insulation.

Simple and Economical to Install. Saves from 25 to 40 percent in costs.

Designed to Maintain Maximum Utility. Resists all types of deterioration. Won't sag or settle. Packaged in Rolls.

INSULATING VALUE OF VARIOUS INSULATORS*

The coefficients of conductivity (k value) are expressed in Btu per hour per square foot per degree Fahrenheit per 1 in. of thickness.

Type of Insulation	Wgt. per Cu Ft	k Value
Cotton: Insulating Batt.....	.875	0.24
Rock Wool: Fibrous material made from rock.....	10.00	0.27
Mineral Wool: Fibrous material made from mineral slag.....		0.27
Glass Wool: Fibrous material made from glass slag.....	1.50	0.27
Rigid Insulation made from sugar cane fibre.....	13.50	0.33
Chemically treated wood fibre between layers of paper.....	3.62	0.25
Eel grass between layers of paper.....	3.40	0.25
Stitched and creped expanding fibrous blanket.....	1.50	0.27
Shavings: Various from planer.....	8.80	0.41
Corkboard: No binder added.....	7.00	0.27
Rigid insulation made from wood fibre.....	15.90	0.33

* Compiled from Chapter 9, 1954 Edition.
b "k" indicates temperature conductivity.

Five featured types to meet every insulation need: (1) **OPEN BLANKET** backed by tough, waterproof, asphalt-coated kraft paper to form an effective vapor barrier. (2) **ENCLOSED BLANKET.** Insulation completely enclosed in envelope, asphalt-coated paper on one side, porous or "breather" type paper on other. (3) **OPEN ALUMINUM FOIL.** All the features of Open Type (1) plus the extra value of aluminum foil backing. Effective vapor barrier... stops 90 percent of radiant heat. (4) **ENCLOSED ALUMINUM FOIL.** Superior in insulation plus values and thermal efficiency. (5) **DOUBLE FOIL,** aluminum foil on top and back, plus superior Lo-K Blanket efficiency for tops in insulating value.

Lockport's TEMP-LO

A New Type of *Semi-Rigid* Insulation

Improved processing makes possible a new and better semi-rigid blanket with greater thermal efficiency and ease of installation. It is light in weight, non-irritating and made in all standard sizes, styles and backings.

Distributing agencies now being established. Write for details.