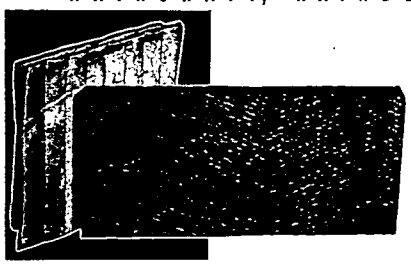
Wilson & Co.

INSULATION MATERIAL — FILTERAIRE AIR FILTER

4110 S. ASHLAND AVE. CHICAGO, ILLINOIS

HAIRCRAFT, HAIRBESTOS AND NATURZONE INSULATION

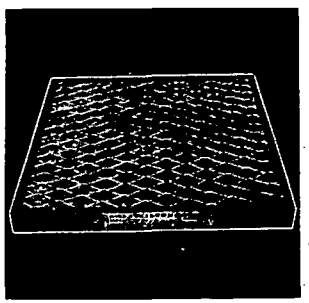


Modern specifications are demanding insulating materials that not only give adequate protection, but also lend themselves to the contours of modern design.

For this purpose, Wilson's **Haircraft** and **Hairbestos** (flexible blanket type materials) are ideal. **Haircraft** is made with 100 per cent hair filler between Kraft Duplex Asphalt paper, stitched in rows every 2 in., the width of the material. It has a low conductance of 0.26 in a one-inch thickness. **Hairbestos** is of the same character as **Haircraft,** with the exception that it is fire-resisting and covered with crinkled asbestos paper.

Naturzone insulation is the standard board form of insulating material for use where a rigid form of material is necessary. It is made of sterilized, deodorized hair compressed into board form of standard size, 36 in. x 16 in. x 1 in., 1½ in., 2 in. and 3 in. thick. It has a conductivity of 0.27 per square foot per hour per inch of thickness. The ability to knit itself into a single unit in a very short time makes the efficiency of **Naturzone** a superior form of insulation.

FILTERAIRE AIR FILTERS



In the **Filteraire** filter, Wilson & Co. has introduced Keratin fibers (animal hair). They are thoroughly sterilized and deodorized and subjected to successive mechanical and chemical treatments.

In the individual cell, the central portion is built of fibers which are highly resilient. This characteristic helps to maintain an expanded condition, pressing constantly outward against the sides of the container, preventing packing and sagging. A special fixative maintains the form of the entire pad. The outlet side of the pad is treated with a special adhesive oil for catching and retaining the dust.

Filter Cell Rating

Capacity per cell.....800 CFM
Face velocity.....300 FPM

Resistance per unit (two filters 0.18 in w.g. tandem arrangements).

These ratings are for standard 20 x 20 x 2 or 16 x 25 x 2 **Filteraire** filters. Special size filters are supplied on order.

The fibers on the face of the filter are formed mechanically into corrugations and are not coated with adhesive. This treatment allows the dust to enter the cell instead of packing up on the surface, insuring exceptional dust-holding capacity.

The Ric-wiL Company

Agents in Principal Cities

REG. U. S. PAT. OFF.

RIC-WIL

CONDUIT SYSTEMS FOR UNDERGROUND STEAM PIPES

ESTABLISHED IN 1910

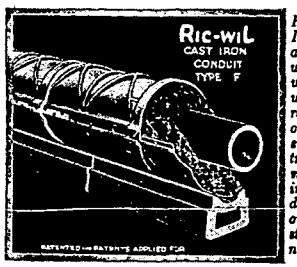
Union Trust Bldg. NEW YORK—CHICAGO—SAN FRANCISCO **Cleveland, Ohio**

Conduit—Standard conduit is vitrified salt glazed tile or cast-iron with Loc-liP Side Joints, bell and spigot type, unlined or lined. Tile and cast-iron in 24 in. sections, sizes 4 to 27 in. inside diameter. A Super-Strength tile conduit on which laboratory tests by A.S.T.M. 3 point method show an average crushing strength of approximately 3000 x per foot diameter per lineal foot. A light weight cast-iron conduit specially designed for bad water conditions and a heavy cast-iron conduit for extra heavy duty.

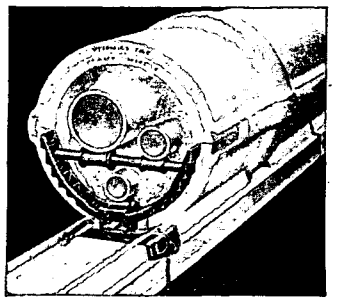
Base Drain—Standard Base Drain is vitrified salt glazed tile for tile conduit and extra heavy tile or cast-iron for the cast-iron conduit, in 24 in. lengths. Special U.Type Base Drain to hold return line. Support Blocks for use with round tile construction also available.

Pipe Supports—Standard Pipe Supports for tile conduit are of the externally supported type with rollers for single or multiple pipes. Load is carried entirely on side shoulders of Base Drain. Pipe Supports for cast-iron conduit are of the internal type and are cast integral with the conduit. Pedestal Pipe Supports also available. Details of Ric-wiL Alignment Guides and Anchors furnished upon request.

Insulation — Dry-paC Waterproofed Asbestos Insulation, non-settling and non-corrosive—packed into the conduit becomes a solid matted mass without cracks, joints or openings—positively non-capillary and water-repellant. Has low conductivity and insures highest thermal efficiency—non-waterproof kind also furnished. Lined conduit insulation is integrally moulded with lining of diatomaceous earth mixture. Sectional pipe covering, sponge felt, 85% magnesia, etc., can also be furnished.



Ric-wiL Cast Iron conduit has ample strength with minimum weight for use under roadways, railroad tracks, or other places subject to extreme loads and vibration. It is installed without delays and without added construction or engineering.

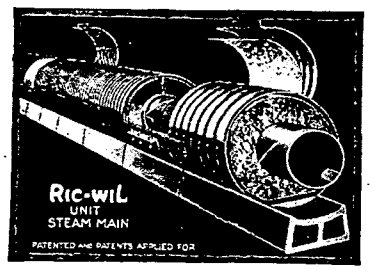


Cutaway view at pipe support showing how Ric-wiL parts interlock. Note Loc-liP Side Joints and how pipe assembly is independent of the conduit. Cut shows Type DF System, lined conduit, with Dry-paC Waterproofed Insulation.

Accessories — Shutter sleeves, filter cloth, asphalt joint cement, waterproofing compound, manhole covers, and other accessories will be furnished as desired.

Engineering Service—Full cooperation with architects and engineers. Installation supervision if desired.

Technical Data — Tabulated Steam Heating Rates, Test Reports, Service Detail Bulletins, Catalog Bulletins, Central and District Heating Bulletins and Architects and Engineers Detail Sheets available upon request.



Ric-wiL Unit Steam Main, a prefabricated, ready-to-install unit, 13½ ft long, including conduit (Armco Iron), pipe, insulation, and accessories. Ideal for speed and economy on district heating projects.