

Staynew Filter Corporation

6 Leighton Avenue, Rochester, N. Y.

Products—Protectomotor Air Filters for Buildings, Air-Using Machines, Compressed Air and Vacuum Lines, Automobiles, Etc.

The Dust Evil—The U. S. Weather Bureau estimates that ordinary city air contains about 100,000 dust particles per cubic inch. The National Conference Board on Sanitation estimates that it costs New York City alone \$16,000,000 annually to clean and redecorate the interiors of buildings damaged by soot and smoke.

By keeping dirty air out of buildings, cleaning bills can be materially reduced—so can the cost of redecorating, repainting and refurbishing. Thousands of dollars worth of merchandise can be saved from ruin. And the health of occupants of buildings can be improved, for tests show the average person inhales more than a tablespoonful of dust every 24 hours, much of which contains dangerous disease germs.

Efficiency—Impartial tests made by the University of California, as well as by many other reliable authorities, gives Protectomotor Air Filters a filtration efficiency of 99.9 per cent when using a standard dust, 98.6 per cent of which will pass through a 200 mesh screen.

These Filters have a large filtering surface within a relatively small space. The intake air currents move parallel to the filtering surface at very low velocity. Consequently, dust and dirt are not packed on to the felt, but remain in a loose and porous condition, which permits air to pass through the accumulated dust as readily as through the felt itself. Dust and dirt do not enter the pores of the felt, which is of extremely fine texture. Efficiency is not affected by continuous service nor by any change in volume of air passed.

Resistance to the flow of air is less than $\frac{3}{8}$ in. water gauge when operated at rated capacity. Less pressure drop may be obtained when required by using an oversized filter.

Protectomotor Panel Air Filters—This type of filter is for filtering large volumes of air for ventilating systems, turbo generators, dust recovery and standard flow type air machines. The panels are supported on pressed steel frames and may be arranged in any convenient formation to suit the space available for installation. This panel unit consists of a frame in either aluminum or steel, as desired, which supports a series of hollow fins, or loops of wire cloth, made from either galvanoid steel or bronze wire, as required. The wire cloth is covered with a single piece of specially prepared filter cloth of extremely fine texture.

The Panel Unit assembled in its frame occupies a space of 20 in. square by $6\frac{1}{2}$ in. deep over-all and is conditionally rated at 600 to 800 CFM. This represents linear velocities from 12 to 18 feet per minute, respectively. It may be economically rated at 800 CFM for ordinary atmospheric air filtration conditions. This may vary according to severity and amount of dust per given volume of air.

The Protectomotor is a dry type filter. There is no viscous coating. No elaborate apparatus required for cleaning. It can be cleaned with either compressed air or vacuum cleaner in a few minutes per panel, without removal from supporting frames. Filter medium is easily replaceable. Does not need to be cleaned for two months or more.

More than 450,000 Protectomotor Air Filters are in use in buildings, on air-using machines, etc.

Specifications

Size of Filter and Frame	20x20x $6\frac{1}{2}$ in.	Efficiency under any and all conditions	99.9/10%
Capacity of filter unit (normal air)	800 c. f. m.	Size of Air Panel	19 $\frac{1}{2}$ x19 $\frac{1}{2}$ x6 in.
Linear velocity of air through filter medium	18 ft. per min.	Surface of filtering medium	45 sq. ft.
Resistance of clean filter to flow of air	$\frac{3}{8}$ in. water gauge	Weight of filter panel	18 lbs.
	Weight of filter panel and frame		28 lbs.

Catalog—Our catalog, embracing a wealth of pertinent data for every Architect and Engineer, will be sent on request.

The Vinco Company, Inc.

75 Vesey Street, New York, N. Y.

CABLE ADDRESS—Vincomp, New York

Vinco for Internal Cleansing of New, Remodeled and Old Heating Systems

Vinco Superfine Boiler Leak Seal



1 in 1 $\frac{1}{2}$, 3, 5 and 10 lb. cans

By this thorough cleansing Vinco stops foaming, priming, surging, incomplete circulation and poor radiation.

How Vinco Works

Each minute grain of VINCO powder absorbs several times its own weight of oil, rust and dirt. These larger grains of absorbed impurities then settle and are blown through the bottom, according to directions on each can.

Vinco Specifications for New and Remodeled Steam and Vapor Systems

Cleaning the System—Upon completion of the installation, the contractor shall clean the system by the VINCO method to remove oil, grease, rust and dirt from the boiler using $\frac{1}{2}$ lb. of Vinco, in exact accordance with manufacturer's directions.

When Vinco is first introduced, have a low fire—just enough for the water to simmer for three or four hours. After this, pressure can be raised.

This compound must remain in the boiler for 36 actual steaming hours, which corresponds to six or seven days average operation. At the end of this period, boiler must be thoroughly drained and flushed before refilling with clean water.

*In writing specification, insert in this space number of pounds of VINCO to be used in accordance with the following schedule. For systems having:

Up to	350 sq. ft. of radiation	3 lb.
351	600	5
601	1100	8
1101	1400	10
1401	1800	13
1801	2100	15
2101	2700	18
2701	3100	20
3101	3700	23
3701	4200	26
4201	4600	28
4601	5000	30

Above 5000 sq. ft. use an additional pound of VINCO for each additional 300 sq. ft. of radiation.

*In determining amount of VINCO to be used all radiation may be taken at actual rating.

What Vinco Is

A positively harmless insoluble powder cleanser for new, remodeled and old heating systems.

What Vinco Does

VINCO permanently removes all the oil, grease, scale and dirt from the internal surfaces and from the boiler water without the labor of blowing boilers over the top.

Vinco Specifications for Hot Water Systems

Cleaning the System—Upon completion of the installation, the contractor shall clean the system by the Vinco method using $\frac{1}{2}$ lb. of Vinco in exact accordance with manufacturer's special directions for hot water systems, given on their cans.

**Only one half above quantities required for hot water systems.

Vinco for Old Systems

Annual-cleaning of the old heating system adds years of life to the boiler, prevents rust deterioration and saves much fuel and fire attendance.

For old systems use only one half quantities given in specification table.

Our Free Laboratory Service

Saves thousands of dollars by analyzing the boiler water before making needless mechanical changes. If desired, the boiler water is again examined after the VINCO treatment is completed, and "certified chemically correct" for boiler operation. Then if the boiler still primes, foams, or surges, look for mechanical flaws. (Write for details.)

Our Three-fold Guarantee

1. Vinco contains no potash, lye, soda of any kind, oil, acid, or other harmful ingredients.
2. Vinco meets every performance claim. Purchase price is refunded if results are not entirely satisfactory when Vinco has been used according to directions.
3. Your time, money and comfort are further safeguarded by our free laboratory service.

Vinco Distributors

VINCO is sold through leading boiler manufacturers and jobbers. It is never sold under any other name or in bulk. VINCO is put up only in 1 $\frac{1}{2}$, 3, 5 and 10 lb. lithographed cans like illustration. Patents pending.

Vinco Superfine Liquid Boiler Seal

A new and better leak seal. It makes speedy, permanent repairs of all boiler and heating system leaks.

Fine to tighten up new jobs. Directions simple.

Quantities

Steam and Vapor Systems

Use 1 quart VINCO Liquid Boiler Seal to each 6 sq. ft. grate area.

Hot Water Systems

Use 2 quarts VINCO Liquid Boiler Seal to each 6 sq. ft. grate area.

