

Coppus Engineering Corporation

339 Park Avenue, Worcester Mass.

MANUFACTURERS OF AIR FILTERS, STEAM TURBINES, FORCED DRAFT BLOWERS, COOLING FANS

"COPPUS AIR FILTERS PASS CLEAN AIR"

The Coppus Unit Air Filter (patent No. 2050508 and other patents pending) is of the dry type using as filter material all-wool felt. It consists of a distender frame (C, Fig. 2), a filter "glove" (E, Figs. 1 and 2) and a retainer grid (B, Fig. 1). The edges of the retainer grid form a reenforced sheet metal box (A, Fig. 1) for protection of the filter element.

The edges of the filter glove are reenforced on all four sides assuring an air tight seal against by-passing of dirty air. By tightening the wing studs which hold the distender frame and the retainer grid together, the filter glove is stretched and held tautly inside of the filter box, giving

the pockets a tapered shape so essential for an even air flow.

This design has the advantage of providing an effective filter area entirely unobstructed by wire or screen supports. Cut, Fig. 3 shows the tapered filter pockets on the clean air side. The filter glove can be readily replaced without removing the unit filter from the installation. No auxiliary frames for insertion of the filter cells are required as the completely assembled unit filters can be bolted together to a filter bank of any desired size.

All metallic parts are rust-proofed and Duco Painted.

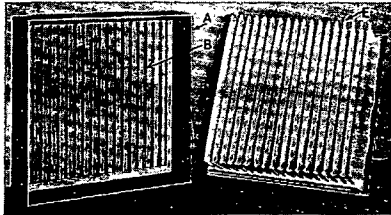


Fig. 1

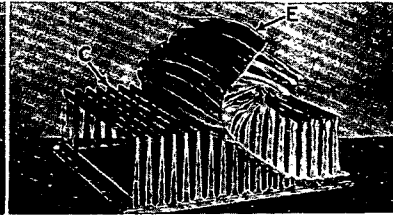


Fig. 2

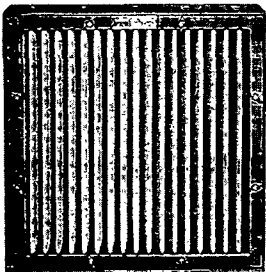


Fig. 3

Specifications

Normal Rating: 800 cfm.
Resistance when clean: 0.2 in. W.G.
Dust Arrestance (cleaning efficiency): 99.61 per cent (Tested in accordance with A.S.H.V.E. Standard Code for Testing and Rating Air Cleaning Devices Used in General Ventilation Work).

Dimensions: 20 by 20 in. by 5 3/4 in.
Weight per unit: 25 lb.

Outstanding Advantages

1. It has an exceptionally high dust arrestance.
2. It maintains a high dust arrestance even under diverse conditions of neglect.
3. Its operation is not impaired by atmospheric conditions.
4. It is a Medium Air Resistance Type (Class C) according to the A.S.H.V.E. Code for Air Cleaning Devices.
5. It is easily and quickly cleaned without removing the filter element.
6. Its cost of upkeep is very low because the permanent filter element is reconditioned periodically with a vacuum cleaner.
7. It combines scientific knowledge and practical engineering methods with highest quality of material and workmanship.

Write for Complete Bulletins



Cleaning Filter Elements with Portable Vacuum Cleaner

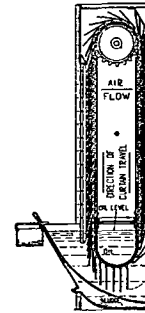
Independent Air Filter Company

228 North LaSalle Street

Representatives in Principal Cities

Chicago, Illinois

Manufacturers of AIR CLEANING EQUIPMENT for General and Commercial Ventilating and Air Conditioning systems. Advisory Service without obligation



Cross-section through filter. Sludge removal necessary only every two to six months. Oil never changed, merely replenished.

"DOUBLE-DUTY"

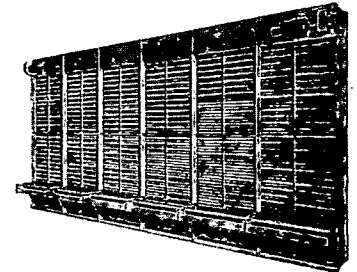
An Automatic, Self-cleaning, Non-clogging Air Filter for Large Commercial and Building Installations.

Basic Principle is that of True Impingement on viscous coated surfaces.

Self-cleaning. Dust particles are freely and completely released when plates are immersed in oil bath.

No Oil Entrainment. Oil entrainment is impossible, due to the angular design of the steel louver plates in the filter curtain.

Constant Air Flow—regardless of dust content of the air.

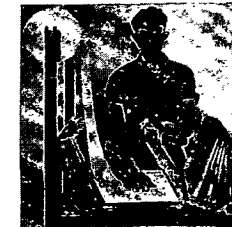


Standard Construction. Sectional construction is standardized to permit easy installation of any capacity desired.

"KOMPAK"

A Dry Fabric Air Filter with Renewable Medium.

The KOMPAK affords a maximum filter medium surface within limitations of space available. Normal rating is 600 cfm per unit. At this rating the velocity through the filter material is 22 1/2 fpm, initial resistance 0.15 in. w.g. Each filter unit contains 27 sq ft of fluffy Filter-down fabric. Each unit is 22 in. wide, 11 in. high and 15 in. deep. Low Velocity through filter fabric results in low resistance and long useful life of the filter medium. Frames are all steel, thoroughly rustproofed.



KOMPAK Servicing operation consumes at the most 3 min. per unit—unloading, refilling and replacing. Life of filter medium varies from 3 to 6 months depending on dust content of the air.



"PERMO PAD"

For General Air Conditioning and Ventilating Installations.

A fine textured, highly resilient filter, expanding firmly against the frame, providing a perfect seal against air leakage. "PERMO PAD" is self-supporting by a built-in metal grille. Overall frame size is 20 x 20 x 6 in. Rated capacity per frame unit 800 cfm. Initial resistance (tandem arrangement) 0.18 w.g. Variety of sizes available for warm air systems and air conditioning units.



PERMO frames are fabricated in vertical sections of the required units in height. The illustration shows a group system of sectional PERMO frames.