

Coppus Engineering Corporation

339 Park Avenue, Worcester, Mass.

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

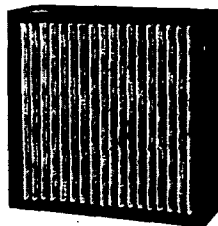
"COPPUS AIR FILTERS PASS CLEAN AIR"

Coppus Unit Filter

Coppus Unit Filter—The Coppus Unit Filter is of the dry type using a removable filter glove of all-wool felt and supported by a rigid, welded distender frame which is adjustable so that after assembly the filter glove may be stretched and held tautly inside of the filter casing, giving the pockets a tapered shape so essential for an even air flow. All metallic parts are rust-proofed (Bonderized, Cadmium Plated), and Duco painted.

Specifications

Normal Rating: 800 cfm.
Resistance when clean: .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 in. by 20 in. by 6½ in.
Weight per unit: 25 lb.



Air Intake Side of Stationary Unit Filter

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.

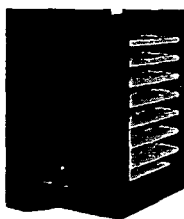


Cleaning Filter Elements with Portable Vacuum Cleaner

Coppus Dry-Matic Filter

Automatic Self-Cleaning Dry-Type Air Filter

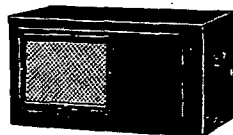
—It uses a specially woven cotton textile as filter medium arranged in the shape of an endless belt in zig-zag fashion over rolls. The horizontal pockets have a tapered shape, thus securing an even rate of air flow over the whole effective filter area. At predetermined intervals the filter curtain is automatically moved by a small geared motor over the rolls, thus passing over a suction nozzle. For certain types of dust the filter is also equipped with a beater which, at predetermined intervals, automatically reconditions the filter curtain. The cleaning and reconditioning operation



takes place while the ventilating system is in operation. Built in capacities from 2000 cfm up.

Coppus Window Air Filter

It supplies a continuous flow of filtered air, is extremely quiet in operation, keeps out street noises, eliminates dirt and dust including invisible particles, and last, but not least, is very effective against rag weed pollen in concentrations commonly found in the hay fever season. Its use is recommended for offices, homes and hospitals.



Air Filters for Compressors and Internal Combustion Engines.
Steam Turbines, Horizontal and Vertical, 1 to 150 Hp.
Forced Draft Blowers.
Portable and Cooling Ventilating Fans.

Write for Complete Bulletin on Any Filter

Independent Air Filter Co.

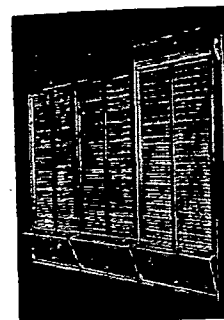
215 West Ohio Street, Chicago

Representatives in All Principal Cities

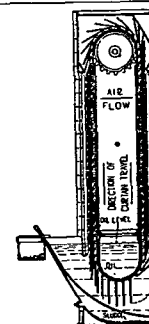
DOUBLE-DUTY

Self-cleaning Non-clogging
Maintenance Free

Designed for large installation requirements, where automatic operation and unvarying air flow are important factors. The filtering principle is that of true impingement on viscous coated metal surfaces. Endless filter curtain composed of die stamped steel louvre plates, heavily indented and disposed in overlapping form. Acute deflections of individual fins, constantly coated with heavy oil, result in high cleaning efficiency. Entirely self-cleaning, regardless of dust content of air. Self-draining design of curtain plates eliminates danger of oil entrainment.



Three Section Group, 9 ft 3 in. high by 9 ft 0 in. wide, capacity 30,000 cfm. "Double-Duty" filters are built in capacities from 3,000 to 600,000 cfm.



Cross-section through filter. Sludge is removed at intervals of two to six months. Oil consumption negligible—never changed; merely replenished.



For group systems, sectional frames are furnished as illustrated. Frames are fabricated in the form of a rigid vertical section of the required units in height.

PERMO PAD

Washable Acidproof Waterproof

For general air filtration purposes. A highly resilient filter expanding tightly against its frame providing a perfect seal against air leakage. PERMO PAD is made entirely self-supporting by an expanded metal grill incorporated in the rear side by a process that makes it an integral part of the unit. Frame size (overall dimensions) 20 x 20 x 6 in. Rated capacity per frame unit—800 cfm. Initial resistance (tandem arrangement) 0.18 W.G.



Servicing operation—unloading, refilling and replacing—consumes at the most 5 min. per unit. Useful life of filter medium varies from three to six months depending on individual conditions.



Simple method of detaching unit from frame will be noted above. Improved style locking device clamps felt seal firmly against main frame.

KOMPAK

A Dry Fabric, Low Velocity Air Filter—
With Renewable Medium

For general ventilation and industrial air cleaning. Filtering principle that of straining air through fabric material at low velocity. Standard filter medium high grade, fluffy cotton material with high cleaning efficiency and remarkable dust holding capacity. Each unit contains 27 sq ft of filter medium, which, at normal rating of 600 cfm results in a velocity of 22½ fpm through medium. Initial resistance 0.15 in. W.G.

Engineering Information Available on Request