

Coppus Engineering Corporation

339 Park Avenue, Worcester, Mass.

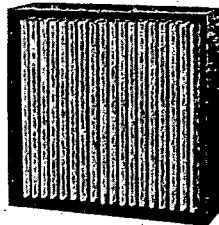
MANUFACTURERS OF AIR FILTERS, STEAM TURBINES, FORCED DRAFT BLOWERS, COOLING FANS

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 lbs.



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.

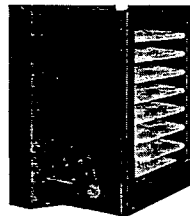


Cleaning Filter Elements with Portable Vacuum Cleaner

Coppus Dry-Matic Filter

Automatic Self-Cleaning Dry-Type Air Filter

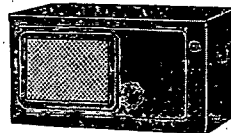
—It uses a specially woven cotton textile as filter medium arranged in the shape of an endless belt in zig-zag fashion over rolls. The horizontal pockets have a tapered shape, thus securing an even rate of air flow over the whole effective filter area. At predetermined intervals the filter curtain is 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

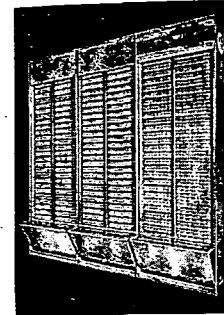
It supplies a continuous flow of filtered air, is extremely quiet in operation, keeps out street noises, eliminates dirt and dust including invisible particles, and last, but not least, is very effective against rag weed pollen in concentrations commonly found in the hay fever season. Its use is recommended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

Independent Air Filter Co.

215 West Ohio Street, Chicago

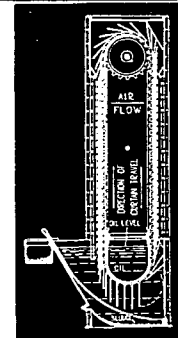


Three Section Group, 9 ft. 3 in. high by 9 ft. 0 in. wide, capacity 30,000 c.f.m. "Double Duty" filters made in capacities from 3000 to 600,000 c.f.m.

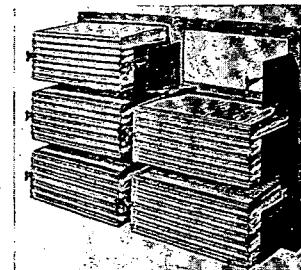
"DOUBLE DUTY"

An Air Cleaner That Cleans Itself—and Never Clogs

This type especially adapted for large installations, 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 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 all danger of oil entrainment.



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



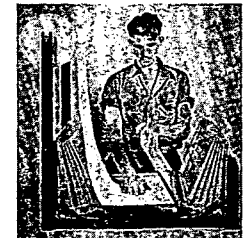
Note easy method of detaching unit from frame. Improved style locking device clamps felt seal firmly against main frame

"KOMPAK"

A Low Velocity, Dry Fabric 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 c.f.m., results in velocity of 22½ f.p.m. through medium. Initial resistance 0.15 in. W. G.



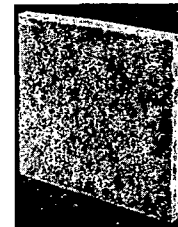
METHOD OF SERVISING

Entire operation—unloading, refilling and replacing—consumes at most 3 minutes per unit. Useful life of filter medium varies from three to six months, depending on conditions

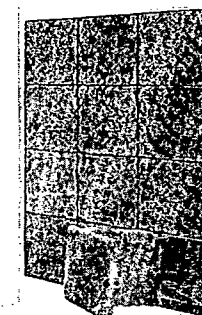
HAIR PAD

A High Grade, Low Cost Air Filter

Filter medium composed of Keratin fibre (animal hair) thoroughly sterilized, making it sanitary and odorless. Fabricated with progressive density into a self-supporting pad of great resiliency. Oil treated to increase cleaning efficiency and dust holding capacity. For ventilating and air conditioning systems frames are made standard size 20 in. x 20 in. x 4½ in. (overall) rated at 800 c.f.m. per unit. Initial resistance with pads in double formation 0.12 W. G.



For warm air heating systems and air conditioning units pads are made in three standard sizes, 20 x 20, 16 x 25 and 16 x 20. Special sizes, any shape, cut to order



Frame installation. No pad container necessary. Only the pad is thrown away