

Continental Air Filters, Inc.

2524 Helm Street



Louisville, Kentucky

THE CONTINENTAL AUTOMATIC SELF-CLEANING AIR FILTER

— now being used by many nationally-known companies (names on request)—has three entirely unique features: Revolutionary new filter media, Ferris-Wheel action, and positive, effective self cleaning.

THE FILTER MEDIA

The filter media consists of double-corrugated strips of aluminum or other metal, placed in non-nesting relationship to form a honeycomb structure. The main air stream is divided positively into approximately 2300 small air streams per square foot of filter surface. An extremely high efficiency in dust removal is obtained due to the many changes in direction and the turbulence caused by air streams crossing each other while traveling in different directions. The resistance to air flow, however, is lower than in comparable air filters.

FERRIS-WHEEL ACTION

The filter cells, suspended from chains, move in Ferris-Wheel fashion *without changing their relative positions*. The air enters and leaves the same side of each filter cell, regardless of whether it is in the front or back section of the filter curtain. Thus *dirt cannot be blown off the dirty side of a cell, back into the clean-air stream.*

POSITIVE SELF CLEANING

After the individual filter cells have traveled down into the viscous liquid in the tank, a cam action causes each cell to be held in a horizontal position for approximately 30 minutes. The dirty cell is fully submerged at this point, and the 30-minute submergence breaks the surface tension of the liquid which binds the accumulated dust to the filter media. Then, when the cell is released, it quickly drops to a vertical position, and this movement through the liquid washes the dust particles out of the cell.

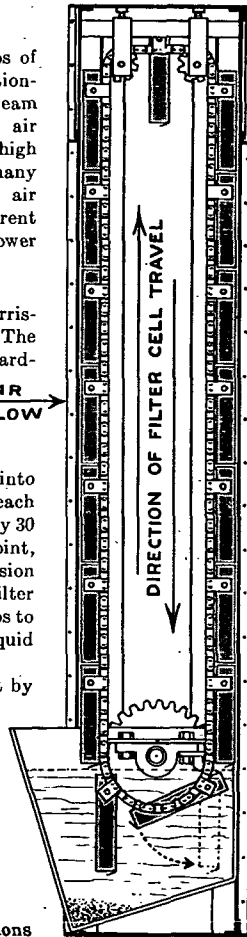
Cleaning Efficiency: 91.3 per cent, determined in test by Professor F. B. Rowley, University of Minnesota, under A.S.H.V.E. Standard Code for Testing and Rating Air Cleaning Devices used in General Ventilation Work.

Resistance:

- 85% Rated Capacity — 0.17"
- 95% Rated Capacity — 0.20"
- 100% Rated Capacity — 0.22"
- 105% Rated Capacity — 0.23"
- 115% Rated Capacity — 0.26"

Write for Bulletin No. 201-B, and Suggested Specifications

1114

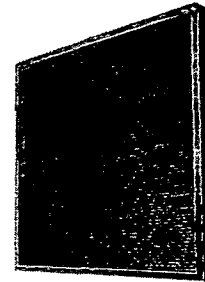


Farr Company

Manufacturing Engineers

Los Angeles • California

FAR-AIR FILTERS* FOR ALL TYPES OF INDUSTRIAL USE

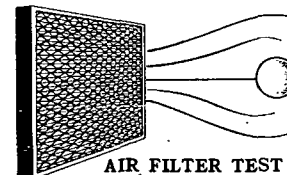


FAR-AIR STANDARD PANEL FILTER

For Ventilation • Grease • Paint

Face velocity in f.p.m.	Capacity in c.f.m. per sq. ft. of face area	Starting static pressure	CFM CAPACITIES OF STANDARD 2" #44 FAR-AIR FILTERS			
			14"x20"	16"x25"	20"x20"	20"x25"
346	2.40	.06"	625	795	800	1020
390	2.70	.07"	700	895	900	1145
433	3.00	.09"	780	995	1000	1275
476	3.30	.10"	860	1095	1100	1400
519	3.60	.12"	935	1195	1200	1530
563	3.90	.14"	1015	1290	1300	1655
606	4.20	.16"	1090	1390	1400	1780
650	4.50	.19"	1170	1490	1500	1910
693	4.80	.20"	1250	1590	1600	2035

Based on the recommended net face velocity of 519 fpm, Far-Air Filters deliver 50 per cent more air with the same blower power. This effects a saving in both initial costs and maintenance costs as only $\frac{2}{3}$ the filter area need be installed and maintained.

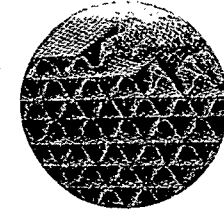


AIR FILTER TEST

Farr Company has originated a simple procedure for testing air filters in place to determine the comparative efficiency. Write for information regarding this test.

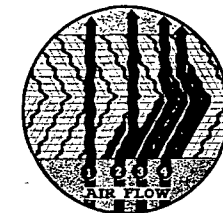
A complete testing laboratory is maintained for all types of research work in the field of air cleaning.

*Trade Mark registered.



HERRINGBONE-CRIMP DESIGN

Far-Air Filters are permanent, all metal Herringbone-Crimp, zinc electroplated steel wire screen construction. The alternate layers of flat and Herringbone-Crimp fine wire screen results in Low Pressure Drop (0.12 in. W.G. clean at 519 fpm), Greater Air Delivery (1200 cfm at 519 fpm through 20 x 20 x 2 in. unit-permitting equal filter and coil area and eliminating most V-bank installations), Higher Efficiency (improved performance up to velocities as high as 750 fpm), Larger Dirt Holding Capacity (from 30 per cent to over 125 per cent more filtering media per unit), and Easier Cleaning (cold water hosing cleans thoroughly. Far-Air Filters can be cleaned in-place... they do not have to be removed from their holding frames).



PROGRESSIVE LOADING

As entering orifices of Far-Air Filters are loaded, air direction changes, flowing past the front loaded surface and progressively loading the clean screen mesh that remains. Greater free area permits a larger dirt load with lower pressure drop.

For full information about Far-Air Filters write: Farr Company, Dept. HVG, 2615 Southwest Drive, Los Angeles 43, California.