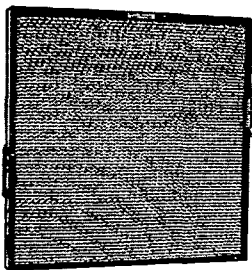


Farr Company

Manufacturing Engineers

Chicago • Los Angeles • New York

FAR-AIR FILTERS FOR ALL TYPES OF INDUSTRIAL USE

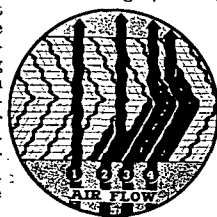
**FAR-AIR STANDARD PANEL FILTER**For Ventilation • Grease • Paint •
Ink • Lint

Face velocity in f.p.m.	Capacity in c.f.m. per sq. in. of face area	Starting static pressure	CFM CAPACITIES OF STANDARD 2" TYPE 44 FAR-AIR FILTERS			
			16"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

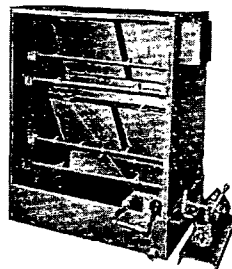
Based on the recommended net face velocity of 519 fpm, Far-Air Filters deliver 50 per cent more air with the same blower power. This effects a saving in both initial costs and maintenance costs as only $\frac{2}{3}$ the filter area need be installed and maintained.

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 loss.

**HERRINGBONE-CRIMP DESIGN**

Far-Air Filters are permanent, all metal herringbone-crimp, zinc electro-plated steel wire screen construction. The alternate layers of flat and herringbone-crimp fine wire screen results in Lower Pressure Loss (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).

**SELF-WASHING FILTERS**

These filter units will handle any cfm requirement and are completely automatic. Washing, drying and re-oiling cycle is controlled by electric timers whose intervals may be adjusted according to operating conditions. Oil and water are flushed away immediately, eliminating messy sumps and attendant fire hazard. Units also have an automatic fire control feature as further protection. Installation is easy with practically no maintenance required.

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

Raytheon Manufacturing Company

Waltham 54, Massachusetts

SALES ENGINEERING OFFICES: Boston, Chicago, Cleveland,
New Orleans, New York, San Francisco, Seattle,
Washington, D. C., and Wilmington, Calif.
Manufacturers Agents In All Principal Cities

*Excellence in Electronics***RAYTHEON**

SERVING THE NATION'S ENGINEERS IN THE FIELD OF
ELECTROSTATIC AIR CLEANING

RAYTHEON PRECIPITATORS remove virtually all dust, smoke, soot, lint, oil mist and other air borne dirt—including particles as fine as 1/250,000th of an inch, as proved by tests developed by the *National Bureau of Standards*.

RAYTHEON SERVICE begins with specialized engineering knowledge and assistance offered to architects and engineers planning installations... extends through Raytheon service offices in all principal cities to contractors making the actual installations—and continues on throughout the years so that users may be assured of all the advantages designed and built into the equipment.

CELL-UNIT TYPE Raytheon Precipitators, designed for installation in air circulating, air conditioning or other air duct systems, can be built up to any desired capacity.

EASE OF INSTALLATION achieved by cell unit construction is illustrated by view of partial assembly of 20,000 cfm Industrial Precipitator shown top right. Light weight ionizer and collector cells are readily inserted or removed from opposite sides of rigid frame.

CELL WASHING may be accomplished manually or semi-automatically as desired. The manual type*, which is most commonly used (see top right) can be washed efficiently by hand when the system is shut down. The semi-automatic type* (see lower right) automatically washes and applies adhesive without the necessity of shutting down the system. This type is also advantageous on large installations where systematic washing is required.

* Write for Manual Bulletin or Semi-automatic Bulletin.

