

Farr Company

Manufacturing Engineers

P.O. Box 10187, Airport Station

Los Angeles 45, Calif.

Chicago

New York

Manufactured under license by Control Equipment Co., Ltd., Montreal, Canada

FAR-AIR* FILTERS FOR ALL TYPES OF INDUSTRIAL USE

THE FAR-AIR FILTERING PRINCIPLE...



Herringbone-Crimp Media Design

FAR-AIR Filters obtain maximum efficiency through their herringbone-crimp media design. Zinc electroplated wire mesh is formed in alternate layers of flat and herringbone-crimp to make channelled, triangular openings facing the incoming air flow. Design allows greater air flow, turbulence and efficiency. Dirt builds up in the mesh on the entering side which diverts the air

Progressive Loading Feature



flow through the channels to clean mesh where the filtering process continues. The accompanying diagram of progressive dirt loading shows why FAR-AIR filters have higher performance, larger dirt holding capacity, lower pressure loss, easier cleanliness and reduced maintenance costs.

FAR-AIR CAPACITIES...

Recommended face velocity is 519 fpm although velocities up to 700 fpm may be used. Higher air velocities than recommended results in greater pressure loss and a shorter service period. Velocities lower than 350 fpm are not

recommended.

The following chart can be used as a guide in estimating FAR-AIR Filter requirements. 4 in. filter thickness has twice the pressure loss of the 2 in. thickness.

NET FACE VEL. F.P.M.	CAP. C.F.M. Per Sq. In.	PRES- SURE LOSS CLEAN In. H ₂ O 2" #44	NOMINAL FILTER SIZE									
			Standard Stocked Filters					Other Common Sizes				
			16" x 20"	16" x 25"	20" x 20"	20" x 25"	10" x 20"	16" x 16"	20" x 30"	25" x 30"		
			FILTER CAPACITY CUBIC FEET PER MINUTE									
346	2.40	0.06"	625	795	800	1020	360	485	1235	1575		
390	2.70	0.07"	700	895	900	1145	405	550	1390	1775		
433	3.00	0.09"	780	995	1000	1275	450	610	1545	1970		
476	3.30	0.10"	860	1095	1100	1400	495	670	1700	2170		
519	3.60	0.12"	935	1195	1200	1530	540	730	1855	2365		
563	3.90	0.14"	1015	1290	1300	1655	585	790	2010	2560		
606	4.20	0.16"	1090	1390	1400	1780	630	855	2165	2760		
650	4.50	0.19"	1170	1490	1500	1910	680	915	2320	2960		
693	4.80	0.21"	1250	1590	1600	2035	725	975	2475	3155		

MEDIA DESIGNATION AND APPLICATION

Type 44: 14 mesh zinc-electroplated steel screen. For ventilation, paint, lint, ink, oil.

Type 44F: Coated with vinyl or other special paint. For fume-resistant applications.

Type 44G: Standard filter, uncoiled. For grease arrestance.

Type 44MZ: Screen painted with zinc

chromate before and after assembly. Frame hot dip galvanized. Marine ventilation application.

Type C4C4H: All copper media and filter frame. Corrosive atmosphere and water elimination applications.

Type A4A4: All aluminum media and filter frame. Stainless steel and monel filters for special applications can be supplied on special order.

* Trade Mark Reg.

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HOLDING FRAMES AND DIMENSIONS

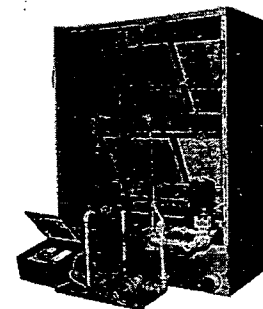
FAR-AIR holding frames are made from 16 gage steel and have a baked enamel finish. Felt stripping around the inside flange assures tight filter fit and prevents air by-pass. Frames are interlocking and easily bolt together to form a rigid framework. Calking between frames in a bank is unnecessary. Clips hold filters firmly in place. Bracing is not needed in banks up to 5 filters high by 6 filters wide. Instruction sheets are included in every shipment.

FAR-AIR Filters and Holding Frames can be furnished in practically any size to meet exact specifications. Sizes over 25 in. x 30 in. are not recommended, however, as they are difficult to handle.

HOW TO SPECIFY STANDARD TYPE 44 FILTERS & FRAMES

Filter shall be permanent, impingement, washable, all metal, panel type. Media shall be zinc electroplated, 14 mesh steel screen, arranged in alternate layers of flat and herringbone-crimped screens, so that at no point is air flow restricted to flow through the screen, 4 layers of each per inch, 1/4-in. rod reinforced, and enclosed in a frame of 16 gage steel with flush mitered corners. Resistance to air flow of a clean filter

SELF WASHING FILTERS



These completely automatic units wash and re-oil themselves on any frequency cycle desired. Each is made up from 4 in. thick corrosion-resistant filters in combination to meet any cfm requirement. Washing water and contaminated oil is immediately flushed away, eliminating messy sludge and oil sumps. There is no oil entrainment. Each unit has a safety deluge valve that automatically prevents fire from passing the unit. Installation is simple and inexpensive.

STANDARD STOCKED SIZES (Actual)

2" and 4" Thickness

FILTERS		HOLDING FRAMES	
Type 44 and 44H*	Shipping Weight (lbs.)		Shipping Weight (lbs.)
15 1/2" x 19 1/2"	94	16" x 20"	4 1/2
15 1/2" x 24 1/2"	111	16" x 25"	5 1/2
19 1/2" x 19 1/2"	111	20" x 20"	5 1/2
19 1/2" x 24 1/2"	13	20" x 25"	6

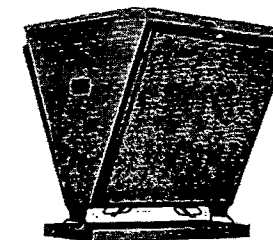
* Includes handles

shall not exceed 0.12 in. w. g. at 3.6 cfm per square inch of net face area.

Holding frames shall be factory built on 16 gage steel "T" section, bonderized and bake enameled, with felt air seal, interlocking edges, and filter locking device.

Filters shall be Far-Air Type 44 and frames shall be Far-Air Standard Interlocking as manufactured by Farr Company, Los Angeles 45, California.

GREASE ELIMINATORS



FAR-AIR Grease Eliminators consist of two standard filters in a special adapter with drip pan. These units halt the deposit of highly combustible grease and lint in the air ducts, reduce maintenance, protect blower and fan, provide better ventilation and sanitation. Available in sizes and types to meet any cfm requirement.

Full catalog and technical information on any FAR-AIR product is available on request ... or see Sweet's Architectural File.