

Owens-Corning Fiberglas Corporation

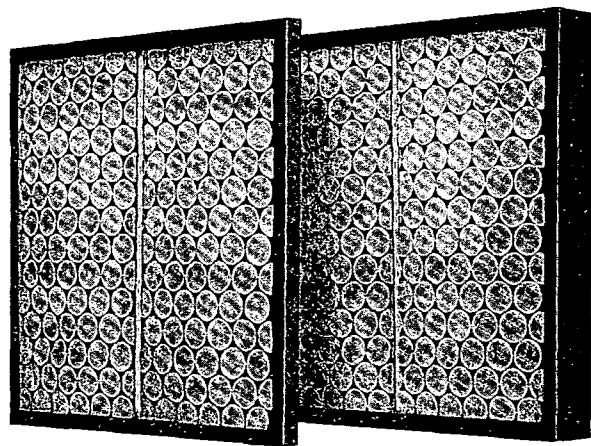
Toledo, Ohio

AIR FILTERS

FIBERGLAS *DUSTOP* AIR FILTERS

*Trademark Reg. U. S. Pat. Off.

"FIBERGLAS" MEDIUM - ADHESIVE-COATED - REPLACEMENT TYPE



The Fiberglass Dust-Stop Air Filter consists of a series of non-combustible Fiberglas, mats progressively packed—coarse glass fibers of lesser density at the intake and fine glass fibers of greater density at the discharge face—between stamped metal grilles bound with a fiber-board frame.

Mats are coated with non-evaporating, fireproof adhesive having extraordinary wetting power, will retain viscosity under operating temperatures ranging from 15 F below to 300 F above zero, will not flow or charge the air with adhesive.

Fiberglas Dust-Stop Air Filters are engineered to provide high efficiency at low cost of installation and maintenance.

Efficiency—97 per cent (Tested according to A.S.H.&V.E. Standard Code for Testing and Rating Air Cleaning Devices Used in General Ventilation Work).

Fiberglass Dust-Stop Filters are made in two standard types: No. 1 (1 in. thick) is designed for greatest operating economy in commercial and industrial applications. No. 2 (2 in. thick) is designed for applications where their greater dust holding capacity permits longer intervals between replacements. Both may be used in domestic applications.

Manufacturers' Acceptance

Dust-Stop Air Filters are widely accepted by manufacturers of air conditioning equipment.

Standard Sizes for Equipment*

Standard Sizes (Nominal)	Ratings		Resistance Inches Water Gauge Clean
	Cfm	Fpm	
20" x 25" x 1"	1000	300	0.045-0.050
20" x 20" x 1"	800	300	0.045-0.050
16" x 25" x 1"	800	300	0.045-0.050
16" x 20" x 1"	640	300	0.045-0.050
20" x 25" x 2"	1000	300	0.095-0.10
20" x 20" x 2"	800	300	0.095-0.10
16" x 25" x 2"	800	300	0.095-0.10
16" x 20" x 2"	640	300	0.095-0.10

*Other standard and any special sizes available.

Engineering Service—Owens-Corning Fiberglas Corporation maintains offices in several metropolitan centers where representatives, qualified to assist in the planning of filter installations, are available for consultation.

Literature—Data sheets on all standard Fiberglas products and applications will be furnished to engineers and manufacturers on request.

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AIR FILTER FRAMES FOR HEATING, VENTILATING *and* AIR CONDITIONING SYSTEMS

FIBERGLAS *DUSTOP* FILTER FRAMES

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Fiberglass Dust-Stop "L" and "V" Filter Frame Assemblies are installed by engineers of commercial and industrial heating, ventilating and air conditioning. Frame members of heavy steel are assembled vertically in combinations to satisfy any CFM and space requirement.

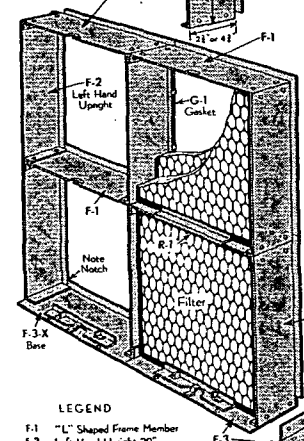
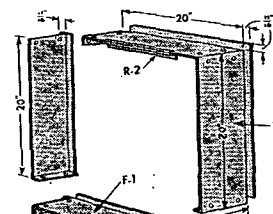
Both types of frames are designed for the convenient and correct handling of Dust-Stop filters. They meet all Fire Underwriters' and local Fire Ordinance requirements, as well as the requirements of Federal Specifications for filter frames.

The choice between the "L" type and "V" type frames is determined wholly by

the space available for the filter frames. The "L" type filter frame takes less depth within the duct or plenum chamber but requires a larger face area for the same CFM capacity. The "V" type frame requires a face area approximately the same as the cross-sectional area of a duct which will handle the volume of air for which the filters are rated.

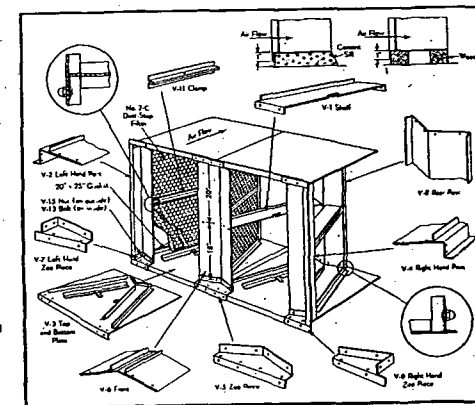
Two Depths of "L" Frames—The "L" frame, two filters deep, is designed to hold two Dust-Stop No. 1 filters in each cell. The "L" frame, four filters deep, holds four Dust-Stop No. 1 filters in each cell. The frame that is four filters deep is identical in every way to the frame two filters deep except that the depth of all parts is 2 in. more. When specifying "L" type frames indicate two-filter or four-filter depth.

The "L" frame uses 20 x 20 in. filters only. The "V" frame uses 20 x 25 in. filters only. Filters are always used two or more in series in each cell.



LEGEND

- F-1 "L" Shaped Frame Member
- F-2 Left Hand Upright 20"
- F-3-X Base 20"
- F-3 Base 20"
- R-1 Retaining Member Double Flange
- R-2 Retaining Member Single Flange
- R-3 Retaining Member Notched Angle
- G-1 Gasket



LEFT—Dust-Stop "L" Type Filler Frame.

ABOVE—Dust-Stop "V" Type Filter Frame