

Owens-Corning Fiberglas Corporation

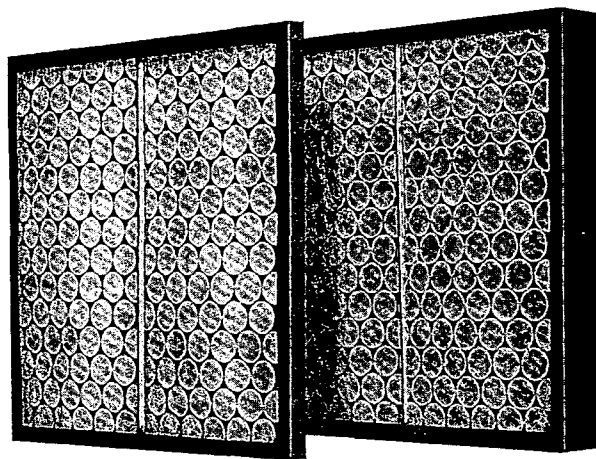
Toledo, Ohio

AIR FILTERS FOR USE IN RESIDENTIAL, COMMERCIAL and INDUSTRIAL
HEATING, VENTILATING and AIR-CONDITIONING SYSTEMS

FIBERGLAS* **DUSTOP*** AIR FILTERS

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

Dust-Stop No. 1 Filter, 1 in. thick, at left. No. 2 Filter, 2 in. thick, shown at right. No. 2 Filters are designed for application where their greater dust-holding capacity permits longer intervals between replacements.



The Fiberglas 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 fiberboard frame.

Mats are coated with non-evaporating, incombustible 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.

Engineered to Provide High Efficiency, Fiberglas Dust-Stop Air Filters also provide 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).

Available in Two Standard Types—

Standard Sizes for Equipment*

Standard Sizes (Nominal)	Ratings		Average Resistance Inches Water Gauge Clean
	Cfm	Fpm	
20" x 25" x 1"	1000	300	.065
20" x 20" x 1"	800	300	.065
16" x 25" x 1"	800	300	.065
16" x 20" x 1"	640	300	.065
20" x 25" x 2"	1000	300	.125
20" x 20" x 2"	800	300	.125
16" x 25" x 2"	800	300	.125
16" x 20" x 2"	640	300	.125

*Other standard and any special sizes available.

Fiberglas Dust-Stop No. 1 (1 in. thick) is designed for greatest operating economy in commercial and industrial applications. No. 2 (2 in. thick) is recommended for use in unsupervised installations. It 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.

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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Fiberglas 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.

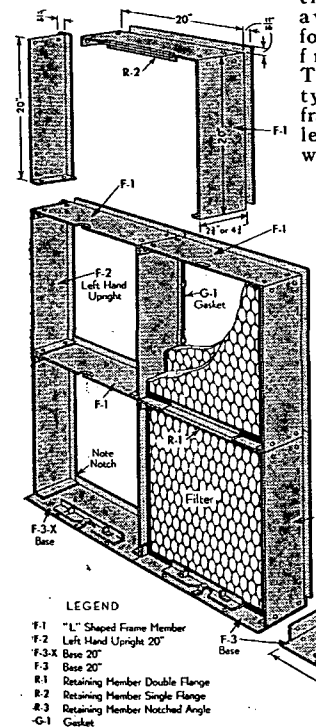
Both types of frames are designed for the convenient and correct handling of Dust-Stop filters. They meet all Fire Underwriters' and local Fire Ordinance requirements, as well as the requirements of Federal Specifications for filter frames.

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.

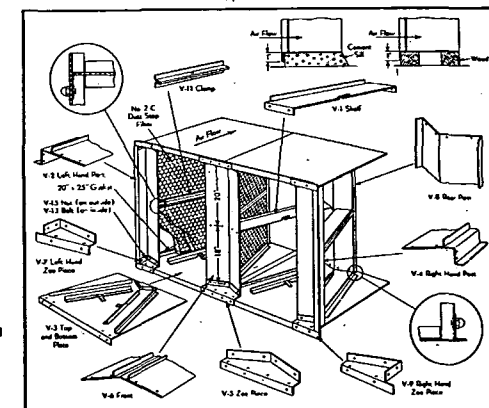
Two Depths of "L" Frames—The "L" frame, two filters deep, is designed to hold two Dust-Stop No. 1 filters in each cell. The "L" frame, four filters deep, holds four Dust-Stop No. 1 filters in each cell. The frame that is four filters deep is identical in every way to the frame two filters deep except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

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"
- F-4 Retaining Member Double Flange
- F-5 Retaining Member Single Flange
- F-6 Retaining Member Notched Angle
- F-11 Gasket



LEFT—Dust-Stop "L" Type Filter Frame.

ABOVE—Dust-Stop "V" Type Filter Frame