



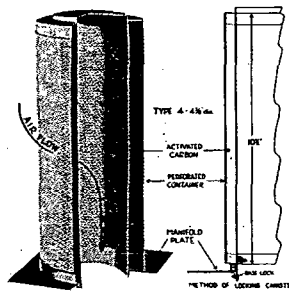
Charles E. Manning Co.

4135 Brownsville Road

Pittsburgh 27, Penna.

AIR PURIFICATION AIR RECOVERY SYSTEMS

REFILLABLE ACTIVATED CARBON RECOVERY CANISTER

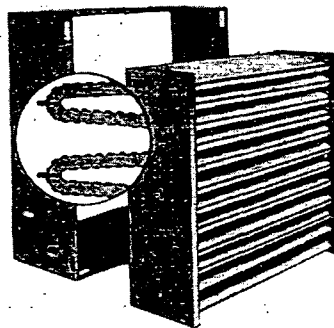


PERFORMANCE CHART C-4

CFM	Pressure Loss* (Inches W. G.)
5	0.02
10	0.045
15	0.075
20	0.11
25	0.15
30	0.2
35	0.25
40	0.32

* Resistance is overall

NU-AIR TYPE "A" AIR RECOVERY UNIT



Both types of equipment can be used in single or multiple units for required capacities. Complete technical data available in new *bulletin 15-CX, 15-DX* by writing the manufacturer.

TYPE "C"—CANISTER, a perforate metal cylinder filled with granular carbon (for 15 to 35 cfm each with recommended maximum of 25 cfm). Made up of one perforate metal cylinder within another, with the side walls of the two forming an open area which is filled with granular activated carbon. The top is completely sealed with a cap that encloses both the inner and outer shell. Air flows through the cylindrical side-wall and carbon bed, into the hollow center of the inner cylinder—then down through the opening punched manifold plate upon which it rests.

The Canisters may be set on the manifold plate in any arrangement that best suits the requirements and available space. Canisters and/or manifold plate can be furnished in stainless steel, brass or aluminum for special installations.

The Type "A" panel Air Recovery unit handles from 700 to a maximum of 1000 cfm. For use in removing odor and gaseous impurities where those concentrations are light to medium. The shape of the carbon bed offers a great exposed area to the air flow for maximum efficiency. The carbon bed is formed by two parallel sheets of perforated metal, fashioned in a series of S-curves, comprising the surface through which the air flows.

PERFORMANCE TABLE

CFM	Static Pressure Loss* V-Arrangement	Flat (Inches W.G.)
500	0.105	0.08
600	0.15	0.105
700	0.177	0.13
800	0.23	0.17
900	0.275	0.19
1000	0.33	0.23
1100	0.377	0.26
1200		0.28
1300		0.345

* Resistance is overall.

Owens-Corning

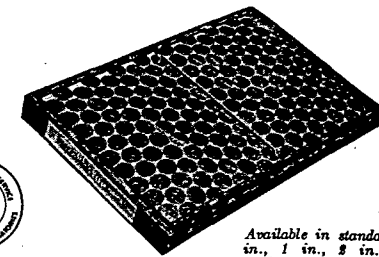
FIBERGLAS

Corporation

Toledo 1, Ohio

DUST-STOP

AIR FILTERS



Available in standard 1/4 in., 1 in., 2 in. and made-to-order sizes.

THE ALL-PURPOSE, REPLACEMENT-TYPE AIR FILTER

Air flows freely through a Fiberglas Dust-Stop* Air Filter, yet virtually all dirt is trapped inside. Correctly sized fibers mean peak efficiency . . . minimum resistance. "Depth-loading" extends filter life.

THE FILTER

Dust-Stop Air Filters are impingement-type filters constructed of glass fibers which are non-absorptive, fire-proof and will not shrink or swell. Fibers are coated with a non-evaporating odorless adhesive which effectively traps dust, lint and pollen. Dust-Stops are replacement-type filters and should not be laundered.

Uses—Dust-Stop Filters may be used at approach velocities up to 450 fpm without impairment of their high efficiency characteristics but with higher resistances. Maximum permissible resistance of filters is 1 1/2 in. water gage.

DUST-STOP FILTER FRAMES

Dust-Stop Filter Frames are designed for the convenience of the engineer in constructing filter banks. Metal frame is of universal style, suited to use in flat or "V" banks. Designed-in, self-locking device permits fast, economical assembly. Made to take 2 in. or 4 in.

Resistances

	Resistance—Inches, water gauge
	300 fpm 450 fpm
1 in. filter	.080 .170
2 in. filter	.135 .300

In cases where velocities approach 450 fpm, care should be taken to see that fan capacity is adequate to overcome increased resistances.

Cfm Capacities—Rated capacities of standard 20 in. x 20 in. Dust-Stop Filters are 800 cfm at 300 fpm velocity and 1250 cfm at maximum permissible velocity of 450 fpm.

depth of standard 20 in. x 20 in. or 20 in. x 25 in. filters. Black painted or galvanized finish. Front, back and side angle uprights for V-bank assembly are also offered in 20 in. increments up to 160 in. length.

DUST-STOP RESISTANCE INDICATOR

The Dust-Stop Resistance Indicator acts as a guide to economical bank maintenance. With adjustable filter-change marker set at resistance level specified by engineer as point where filters should

be changed, this indicator provides a guide to "when-to-change filters." Insures operation at rated capacity and efficiency.

* FIBERGLAS and DUST-STOP are trade-marks (Reg. U.S. Pat. Off.) of Owens-Corning Fiberglas Corporation for a variety of products made of or with fibers of glass.