



KITCHEN HOODS

Grease Filter Catalog

AVAILABLE IN STANDARD COMMERCIAL SIZES IN ...

ALUMINUM:

Light weight for ease of handling.
Standard on all KEES grease exhaust hoods.

STAINLESS STEEL:

For tough commercial kitchen abuse, and maximum, permanent protection against rust and corrosion.
Available as an option on all KEES grease exhaust hoods.

GALVANIZED STEEL:

Available on a special order basis.



- Safe dependable, positive flame barrier protection.
- Seamless, smooth surfaces permit constant grease run-off into hood grease troughs.
Easily cleaned by soaking, spraying or in conventional dishwasher.
- May be used to replace mesh type filters without costly hood modifications.

GREASE FILTER CLASSIFIED BY UNDERWRITERS LABORATORIES, INC. AS TO FLAMMABILITY AFTER EXPOSURE TO GREASE LADEN AIR ONLY (54-46) - FILE #R 10173.
ACCEPTED FOR USE BY CITY OF NEW YORK - DEPARTMENT OF BUILDINGS - MEA #137-82-M.

AIR FLOW CHARACTERISTICS

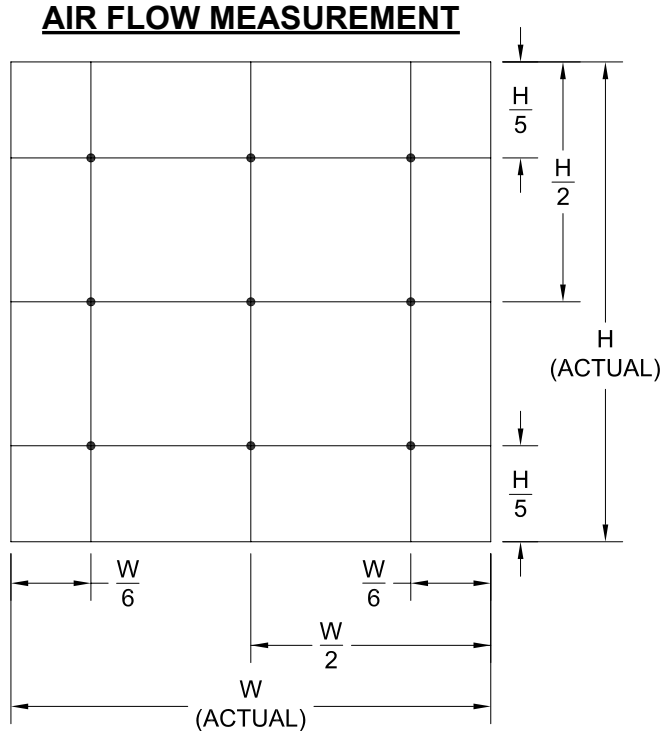
CFM VS. STATIC PRESSURE

STATIC PRESSURE

FLOW RATE CFM	FILTER SIZE							
	10 x 20	12 x 16	12 x 20	16 x 16	16 x 20	20 x 20	16 x 25	20 x 25
200	0.13	0.15	0.10	0.07	0.04	0.04	0.04	0.03
250	0.20	0.23	0.16	0.12	0.07	0.06	0.07	0.04
300	0.29	0.33	0.23	0.17	0.09	0.08	0.09	0.06
350	0.40	0.45	0.31	0.23	0.12	0.11	0.12	0.08
400	0.52	0.59	0.40	0.30	0.17	0.15	0.17	0.11
450	0.66	0.75	0.51	0.38	0.21	0.19	0.21	0.14
500	0.81	0.93	0.63	0.46	0.26	0.23	0.26	0.18
550	0.98	1.12	0.76	0.56	0.32	0.28	0.32	0.21
600	1.17		0.90	0.67	0.38	0.33	0.38	0.25
650			1.06	0.79	0.45	0.39	0.44	0.30
700				0.91	0.52	0.45	0.51	0.35
750				1.05	0.59	0.52	0.59	0.40
800					0.68	0.59	0.67	0.45
850					0.76	0.67	0.75	0.51
900					0.85	0.75	0.85	0.57
950					0.95	0.83	0.94	0.64
1000					1.05	0.92	1.04	0.71

NOTE: 1. Recommended face velocity is 200 to 400 F.P.M.
2. The first number of size indicates vertical height, the second number represents horizontal width; both are nominal dimensions.
Actual dimensions of filters are 7/16" less than nominal. Actual thickness is 1-3/4".

GREASE FILTERS - BAFFLE TYPE



Velocity measured with Alnor Thermo Anemometer (Model 8525) with digital readout.

The Anemometer to be placed at the center of the opening between the vertical baffles, 3/4" - 1" from the front of the filter.

Take measurements at nine (9) locations over the cross sectional area of the filter to obtain an average face velocity. Airflow (C.F.M.) = Velocity (F.P.M.) x effective filter area (sq. ft.).

EFFECTIVE FILTER AREA

THE EFFECTIVE AREAS FOR THE FOLLOWING NOMINAL SIZE FILTERS ARE:

10" x 20" x 2"	1.00 SQUARE FEET
12" x 16" x 2"	0.97 SQUARE FEET
12" x 20" x 2"	1.25 SQUARE FEET
16" x 16" x 2"	1.36 SQUARE FEET
16" x 20" x 2"	1.75 SQUARE FEET
20" x 20" x 2"	2.25 SQUARE FEET
16" x 25" x 2"	2.24 SQUARE FEET
20" x 25" x 2"	2.88 SQUARE FEET