

HOOD INFORMATION

HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	TOTAL EXH. CFM	EXHAUST PLENUM RISER(S)				TOTAL SUP. CFM	SUPPLY PLENUM RISER(S)				HOOD CONSTRUCTION	HOOD CONFIG.	
						WIDTH	LENG.	DIA.	CFM		S.P.	WIDTH	LENG.	DIA.		CFM	S.P.
1	Grease	5424 ND-2-PSP-F	14' 0.00'	600 Deg.	3850		14"	1925	-1.328"	3080				430 SS Where Exposed	ALONE	ALONE	
2	Dish	4230 VHB-G	3' 6.00'	700 Deg.	700		12"	700	-0.090"	0				304 SS 100%	ALONE	ALONE	

HOOD INFORMATION

HOOD NO.	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD WEIGHT	
	TYPE	QTY.	HEIGHT	LENGTH	QTY.	TYPE	WIRE GUARD	LOCATION	FIRE SYSTEM TYPE	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY			LOCATION
1	Captrate Solo Filter w/	3	16"	16"	4	Screw In Compact Fluore	NO							NO	1029 LBS
2		6	16"	20"	0									NO	234 LBS

HOOD OPTIONS

HOOD NO.	OPTION
1	FIELD WRAPPER 40.00' High Front, Left, Right
	BACKSPLASH - INSIDE CORNER 80.00' High X 4.00' Long 430 SS
	RIGHT SIDESPLASH 80.00' High X 54.00' Long 430 SS
	RIGHT END STANDOFF (FINISHED) 3' Wide
	BACKSPLASH 80.00' High X 171.00' Long 430 SS
	LEFT QUARTER END PANEL 23' Top Width, 0' Bottom Width, 23' High 430 SS
2	FIELD WRAPPER 34.00' High Front, Left, Right
	BACKSPLASH 80.00' High X 42.00' Long 304 SS

PERFORATED SUPPLY PLENUM(S)

HOOD NO.	POS.	LENGTH	WIDTH	HEIGHT	RISER(S)				
					WIDTH	LENG.	DIA.	CFM	S.P.
1	Front	171'	16'	6'	10"	28"		1026	0.159"
					10"	28"		1026	0.159"
					10"	28"		1026	0.159"

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted

Approved with ND Exception Taken

Revise and Resubmit

SIGNATURE _____

Your Title _____ Date _____

VHB-G Series Specification

The VHB-G series heat/condensate hood is a single wall vent hood used in non-grease applications for the removal of heat, vapor etc. Hood shall have the size, shape and performance specified on the drawings.

Construction shall be type 304 stainless steel with a #3 or #4 polish where exposed. Hood shall have a full perimeter gutter with a 1/2" DD Bolt thread drain connection. Hood shall be wall or island type with fully welded 10 gauge corner hanging angles. Corner hanging angles have a .625 x 1.500 slot pre-punched at the factory, allowing hanging rods to be used for quick and safe installations. Hanging rod and connection is provided by and installed by others.

The hood manufacturer shall supply complete submittal drawings including hood section views(s) and hood plan view(s). These drawings must be made available to the engineer, architect and owner for their use in construction, operation and maintenance.

Exhaust duct collar to be 4' high with 1' flanges. Duct sizes, CFM and static pressure requirements shall be as shown on the drawings. Hood shall be recognized by NSF.

ND-2 Series with PSP Accessory Specification

The ND-2 series hood with PSP accessory is a compensating canopy hood system rated for all types of cooking equipment. The hood shall have the size, shape and performance specified on drawings.

Construction shall be type 430 stainless steel with a #3 or #4 polish where exposed. Individual component construction shall be determined by the manufacturer, ETL, and NSF. Construction shall be dependent on the structural application to minimize distortion and other defects. All seams, joints and penetrations of the hood enclosure to the lower outermost perimeter that directs and captures grease-laden vapor and exhaust gases shall have a liquid-tight continuous external weld in accordance with NFPA 96. Hood shall be wall type with fully welded 10 gauge corner hanging angles. Corner hanging angles have a .625 x 1.500 slot pre-punched at the factory, allowing hanging rods to be used for quick and safe installations. Hanging rod and connect is provided by and installed by others.

Ventilator shall be furnished with UL classified aluminum baffle filters, supplied in size and quantity as required by ventilator. The filters shall extend the full length of the hood and the filler panels shall not be more than 6' in width.

The hood manufacturer shall supply complete computer generated submittal drawings including hood section view(s) and hood plan view(s). These drawings must be available to the engineer, architect and owner for their use in construction, operation and maintenance.

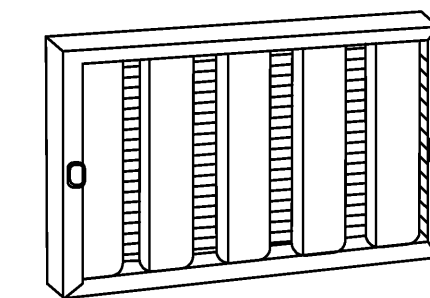
Exhaust duct collar to be 4' high with 1' flange. Duct sizes, CFM and static pressure requirements shall be as shown on drawings. Static pressure requirements shall be precise and accurate; air velocity and volume information shall be accurate within 1-ft increments along the length of the ventilator.

UL Incandescent light fixtures and globes shall be installed and pre-wired to a junction box. The light fixtures shall be installed with a maximum of 4'0" spacing on center and allow up to a 100 watt standard light bulb.

The hood shall have:
 - A double wall insulated front to eliminate condensation and increase rigidity. The insulation shall have a flexural modulus of 475 EI, meet UL 181 requirements and be in accordance with NFPA 90A and 90B.
 - An integral front baffle to direct grease laden vapors toward the exhaust filter bank.
 - A built-in wiring chase provided for outlets and electrical controls on the hood face and shall not penetrate the capture area or require an external chaseway.
 - Low velocity make-up air (up to 90%) provided through front and side plenums (PSP accessory).
 - A removable grease cup for easy cleaning.

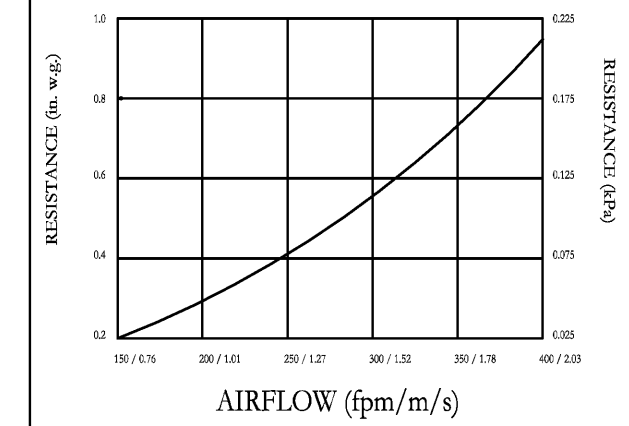
The hood shall be ETL Listed as "Exhaust Hood Without Exhaust Damper", NSF Listed and built in accordance with NFPA 96. The hood shall be listed for 450°F cooking surfaces at 150 CFM/ft, 600°F cooking surfaces at 200 CFM/ft, and 700°F cooking surfaces at 250 CFM/ft.

Filter Detail



Kleen-Gard Baffle Type Filters are UL Classified Grease Extracting Filters.
 MEA # 168-78-M Aluminum
 MEA # 247-96-E Stainless

RESISTANCE VS. AIRFLOW - 2" Kleen-Gard Baffle Type Grease Filters



INDUSTRIAL PRODUCTS CORPORATION

CALCULATIONS UTILIZED

EXHAUST CFM=LENGTH OF HOOD X CFM/LIN.FT. (LOAD)
 SUPPLY CFM=EXHAUST CFM X PERCENTAGE REQUIRED
 TOTAL DUCT AREA=144 X $\frac{CFM}{FPW(\%)}$
 DUCT LENGTH= $\frac{TOTAL DUCT AREA}{DUCT DEPTH}$

*CAPTIVE-AIRE VENTILATOR DUCT SIZES ARE CALCULATED USING AN EXHAUST VELOCITY OF 1500-1800 FPM AND A SUPPLY VELOCITY OF 700 FPM PLEASE CONSULT FACTORY FOR MAXIMUM ALLOWABLE DUCT SIZES

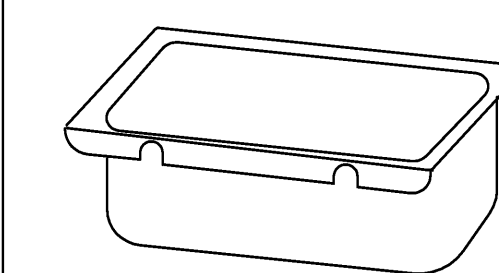
BUILDING CODES

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH:

- NFPA #96
- NSF LISTED
- B.O.C.A. #93-16
- I.C.B.O. 34418
- 9900 PSP # ESI NO. 83137
- ETL LISTED 305404-001
- LOS ANGELES PERMITS
- ETL IS LISTED TO UL STANDARDS

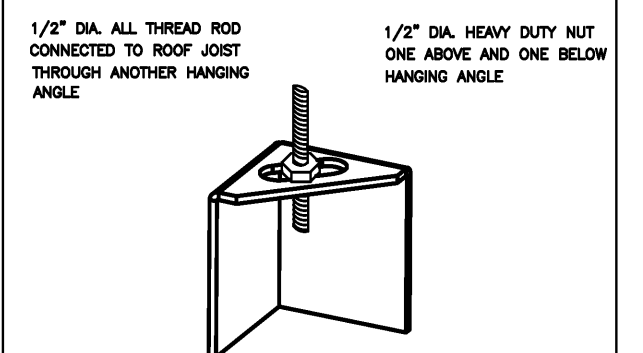


1/2 Pint Grease Cup Detail



Grease cup will be supported by 2 studs on the inside wall of the hood. The grease will drain through a concealed grease trough and into this removable cup.

ND-2 HANGING ANGLE DETAIL



* ROD AND NUTS TO BE SUPPLIED BY INSTALLING CONTRACTOR HANGING ANGLE IS PRE-PUNCHED AT FACTORY

HANGING ANGLE LOCATIONS

HANGING ANGLES WILL BE LOCATED IN THE FOLLOWING LOCATIONS FOR WALL CANOPIES

HOOD STYLE	DIM FROM REAR	DIM FROM FRONT (24" High Hood)	DIM FROM FRONT (30" High Hood)
Wall Exhaust Only	1.75"	11.25"	5.25"
With MUA		2.75"	2.75"
Back Shelf Exhaust Only	1.75"	15.0"	5.25"
With MUA		2.75"	2.75"
Condensate	10.50"	10.50"	

REVISIONS

DESCRIPTION	DATE



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MAINE OFFICE

Bowl Portland
 Yarmouth, ME

DATE: 11/18/2009

DWG.#: Hood-1-1054233

DRAWN BY:

SCALE: Not To Scale

HOOD

SHEET NO.