

HOOD INFORMATION -

HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM					TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG.			
					WIDTH	LENG.	HEIGHT	DIA.	CFM			S.P.	END TO END	ROW	
1	#4	4224 VHB-G	6' 0.00"	700 Deg.	600			4"	10"	600	-0.068"	0	430 SS 100%	ALONE	ALONE
2	#16 - Front	7224 ND-2-PSP-F	7' 11.00"	600 Deg.	1583			4"	14"	1583	-0.599"	1266	430 SS Where Exposed	ALONE	FRONT
3	#16 - Back	7224 ND-2-PSP-F	7' 11.00"	600 Deg.	1583			4"	14"	1583	-0.599"	1266	430 SS Where Exposed	ALONE	BACK

PATENT NUMBERS

AC-PSP (United States) - US Patent 7963830 B2
 AC-PSP Wall (Canada) - CA Patent 2820509
 AC-PSP Island (Canada) - CA Patent 2520330

SPECIFICATION: CAPTRATE GREASE-STOP SOLO FILTER

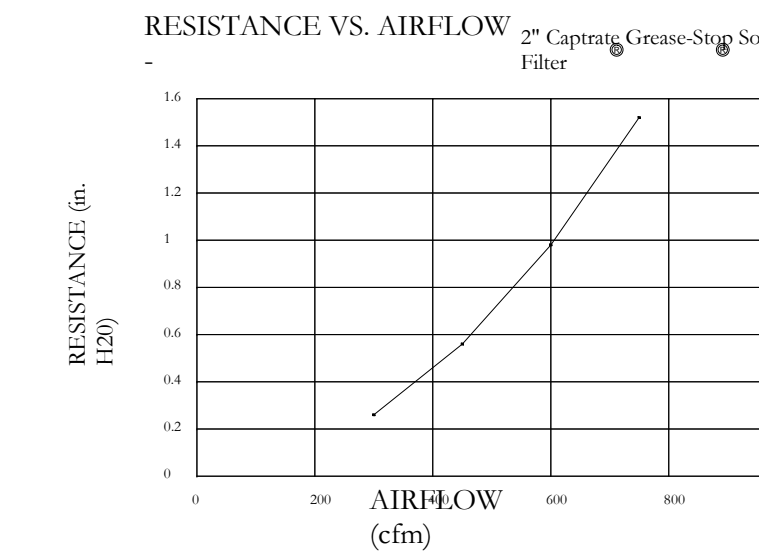
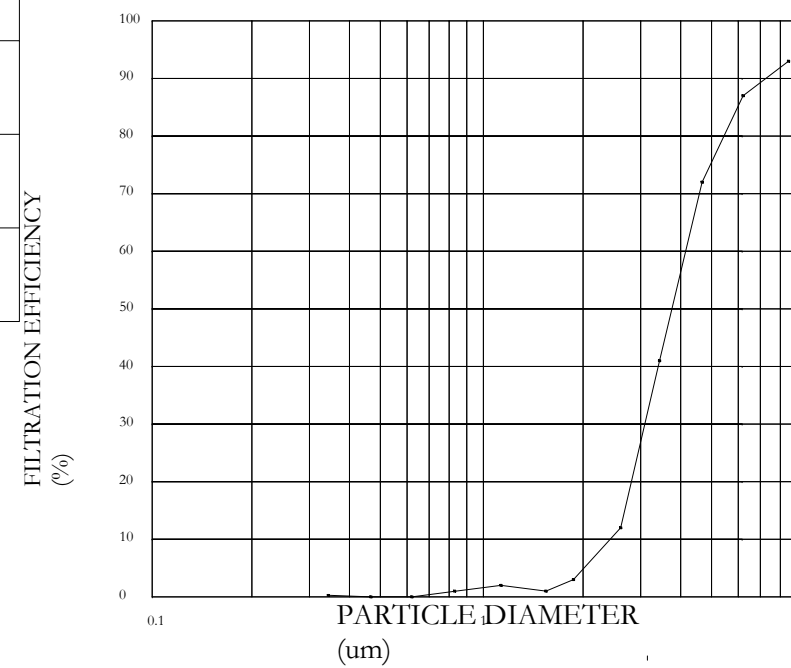
THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 90% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519-05. FILTER COLLECTION EFFICIENCY



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
 NFPA #96
 NSF STANDARD #2
 UL STANDARD #1046
 INT. MECH. CODE (IMC)
 ULC-S649



HOOD INFORMATION

HOOD NO.	TAG	FILTER(S)					LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WGT		
		TYPE	QTY.	HEIGHT	LENGTH	EFFICIENCY @ 9 MICRONS	QTY.	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM	SIZE	ELECTRICAL			MODEL #	SWITCHES
1	#4						0										NO	186 LBS
2	#16 - Front	Captrate Solo Filter	5	20"	16"	93% See Filter Spec.	3	Screw In 12W LED	NO	Wall Mnt	12"x48"x24"	Ansul R102	3.0	DCV-2111	1 Light 1 Fan		YES	463 LBS
3	#16 - Back	Captrate Solo Filter	5	20"	16"	93% See Filter Spec.	3	Screw In 12W LED	NO								YES	463 LBS

HOOD OPTIONS

HOOD NO.	TAG	OPTION
1	#4	FIELD WRAPPER 6.00" High Front, Left, Right
2	#16 - Front	BACKSPLASH 48.00" High X 96.00" Long 430 SS Horizontal RIGHT SIDESPLASH 80.00" High X 42.00" Long 430 SS Vertical RIGHT END STANDOFF (FINISHED) 1" Wide 72" Long Insulated
3	#16 - Back	FIELD WRAPPER 6.00" High Front, Left, Right BACKSPLASH 48.00" High X 96.00" Long 430 SS Horizontal LEFT SIDESPLASH 80.00" High X 42.00" Long 430 SS Vertical LEFT END STANDOFF (FINISHED) 1" Wide 72" Long Insulated

PERFORATED SUPPLY PLENUM(S)

HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG.	DIA.	CFM	S.P.
2	#16 - Front	Front	96"	14"	6"	MUA	8"	36"		633	0.179"
3	#16 - Back	Front	96"	14"	6"	MUA	8"	36"		633	0.179"

GREASE DUCT SPECIFICATIONS:
 PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURES INSTALLATION GUIDE.
 PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12".
 DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

 IF THE DUCT IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 LISTED DOUBLE WALL GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

CAPTIVEAIRE SYSTEMS RECOMMENDS THE USE OF LISTED, PRE-FABRICATED ROUND GREASE EXHAUST DUCT TO REDUCE STATIC PRESSURE IN THE SYSTEM, MINIMIZE INSTALLATION AND INSPECTION TIMES, AND ENSURE DUCT IS LIQUID TIGHT

HVAC DISTRIBUTION NOTE
 IT IS RECOMMENDED NOT TO INSTALL HIGH VELOCITY DIFFUSERS OR HVAC RETURNS WITHIN TEN (10) FEET OF THE EXHAUST HOOD. PERFORATED DIFFUSERS ARE RECOMMENDED.

VERIFY CEILING HEIGHT
 _____' - _____"
 HEIGHT REQUIRED TO VERIFY THAT HOOD FITS SPACE AND TO SIZE THE ENCLOSURE PANELS

CUSTOMER APPROVAL TO MANUFACTURE:
 Approved as Noted
 Approved with NO Exception
 Taken
 Revise and Resubmit
 SIGNATURE _____
 Your Title _____
 Date _____

CAPTIVEAIRE

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12/22/2016
 2870227
 BFC-21
 3/4" = 1'-0"
 MASTER DRAWING