

Specific Extract Flow Rate Calculation Sheet

based on the THERMAL CONVECTION METHOD as recommended in **HVCA Specification DW172**

Contract; 3 ECHO SQUARE GRAVESEND	
Job Number; GRAVESEND - 8445	
Date; 13/08/2023	
Area; GRAVESEND	

	Power	Plan Size		Area (m ²)	TCC (m ³ /s/m ²)	Flow Rate (m ³ /s)
		X(m)	Y(m)			
Cooking Equipment						
Heavy Duty Deep Fat Fryer, Gas	Gas	0.45	0.80	0.36	0.50	0.18
Griddle (mild steel), Gas	Gas	1.20	0.80	0.96	0.30	0.29
Bains Marie, Hot Cupboard, Electric	Electric	0.30	0.80	0.24	0.15	0.04
Steaming and Roasting Oven, Gas	Gas	0.64	0.65	0.42	0.35	0.15
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X Factor for Canopy / Ceiling Type:		Theoretical Flow Rate (m³/s)	0.80 m³/s
	11. O/H Wall-Type, Island Mounted (open one end)		1.40
		Specific Extract Flow Rate	1.113 m³/s
		Make-up-Air Ratio	85%
		Make-up-Air Flow Rate (m³/s)	0.95 m³/s