Grease Interceptor Sizing Worksheet

CITY OF SHENANDOAH · TEXAS

Project Name		Calculated By		Date	
Project Address		Company			

Instructions: Enter seating capacity in shaded box 1 and click on the appropriate buttons in boxes 1 - 4. The form will fill and calculate all other boxes on this page.

Enter Calculations > Here	No of Meals Per Peak Hours		Waste Flow Rate		Retention Time		Storage Factor		Calculated Interceptor Size	Grease Interceptor
		X		X		X		=		
	Step 1		Step 2		Step 3		Step 4		Step 5	Step 6

1	**Number of Meals Per Peak Hour (Recommended Formula):** Seating Capacity X Meal Factor = Meals per Peak Hour [ ] X [ ] = [ ] Enter This Number **Establishment Type:** **Meal Factor** Fast Food (45 min) ------------------------------------- 1.33 Restaurant (60 min) ----------------------------------- 1.00 Leisure Dining (90 min) ------------------------------ 0.67 Dinner Club (120 min) -------------------------------- 0.50	**Notes:**
2	**Waste Flow Rate:** **Condition** **Flow Rate** With a Dishwashing Machine ---------------------- 6 Gallons Without a Dishwashing Machine ------------------ 5 Gallons Single Service Kitchen ----------------------------- 2 Gallons Food Waste Disposer Only ------------------------ 1 Gallon	**Notes:**

3	**Retention Time**
	Commercial Kitchen Waste
	        Dishwasher ------------------ 2.5 Hours
	Single Service Kitchen
	        Single Serving ------------------- 1.5 Hours
		Notes:

4	**Storage Factor**
	
	Kitchen Type **Storage Factor**
	Fully Equipped Commercial
	        Hours of Operation
	        8 Hours ---------------------------------- 1.00
	        12 Hours -------------------------------- 1.50
	        16 Hours -------------------------------- 2.00
	        24 Hours -------------------------------- 3.00
	Single Service Kitchen ------------------------------- 1.50
		Notes:

5	**Calculate Liquid Capacity** Multiply the values obtained from step 1, 2, 3 and 4. The result is the approximate grease interceptor size for this application	**Notes:**
6	**Select Grease Interceptor** Using the approximate required liquid capacity from step 5, select an appropriate size as recommended by the manufacturer.	**Notes:**