City of Sparks ECS Grease Interceptor Sizing Worksheet

Project: | Calculated By: | Date:

Address: | Company:

Instructions:
The following formula is the Grease Interceptor Sizing Formula as defined by per the Uniform Plumbing Code - Appendix H
Follow the steps to determine grease interceptor size.

Number of Meals Per Peak Hours	X	Waste Flow Rate	X	Retention Time	X	Storage Factor	=	Interceptor Size
Step #1		Step #2		Step #3		Step #4		Step #5

Step #6 Recommended Minimum Size Grease Interceptor:

1 *Number of Meals Per Peak Hour*

Recommended Formula:

Seating Capacity Enter seating	x	Meal Factor	=	Number of Meals Per Peak Hour

Establishment Type	Meal Factor
Fast Food	1.33
Restaurant	1.00
Leisure Dining	0.67
Dinner Club	0.50

Notes:

2 *Waste Flow Rate*

Condition:	Flow Rate
O a. With a Dishwashing Machine	6 Gallon Flow
O b. Without Dishwashing Machine	5 Gallon Flow
O c. Single Service Kitchen	2 Gallon Flow

Notes:

3 *Retention Time*

O Commercial Kitchen Waste
Dishwasher 2.5 Hours

O Single Service Kitchen
Single Serving 1.5 Hours

Notes:

4 *Storage Factor*

Kitchen Type	Storage Factor
a. Fully Equipped Commercial Kitchen	
Hours of Operation	
O 8 Hours	1
O 12 Hours	1.5
O 16 Hours	2
O 24 Hours	3
O b. Single Service Kitchen	1.5

Notes:

5 *Calculate Liquid Capacity*

Multiply the values obtained from step #1, #2, #3, and #4.
The result is the approximate grease interceptor 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. Sparks Environmental Control Section requires a 750 gallon minimum size.

Notes: