



**Example Grease Trap Sizing Formula
Environmental Biotech Model
Based on EPA-2 Model**

A. Determine maximum drainage flow from fixtures:

Type of fixture	Flow rate/per unit	Amount
China hand sink	15 gpm	
Single compartment sink	20 gpm	
Double compartment sink	25 gpm	
2, single compartment sinks	25 gpm	
2, double compartment sinks	35 gpm	
Triple sink 1 ½ in. drain	35 gpm	
Triple sink 2 in. drain	35 gpm	
30 gal. Dishwasher	15 gpm	
50 gal. Dishwasher	25 gpm	
50-100 gal. dishwasher	40 gpm	
B. Total – Divided by no. of fixtures		/ = gpm (per kitchen)

C. Loading Factors

Restaurant type	Fast food-paper delivery = 0.50
	Low volume = 0.50
	Medium volume = 0.75
	High volume = 1.0

D. B x C = sub total _____

E. Total x 60 min. = max flow for 1 hour _____

F. x 2 hours retention time = volume of trap in gallons _____