

SIZING FORMULA FOR RESTAURANTS, COUNTRY CLUBS  
AND ASSISTED LIVING FACILITIES

$$(S) \times (GS) \times (HR/12) \times LF = \text{EFFECTIVE CAPACITY OF GREASE INTERCEPTOR IN GALLONS}$$

WHERE:

- S = NUMBER OF SEATS IN DINING AREA.  
 GS = GALLONS OF WASTE WATER PER SEAT  
 (USE 25 GALLONS FOR RESTAURANTS WITH CHINA DISHES AND/OR AUTOMATIC DISHWASHER)  
 (USE 10 GALLONS FOR RESTAURANTS WITH PAPER OR BASKETS AND NO DISHWASHER)  
 HR = NUMBER OF HOURS RESTAURANT IS OPEN  
 LF = LOADING FACTOR  
 (USE 2.00 INTERSTATE HIGHWAY; 1.50 OTHER FREEWAYS; 1.25 RECREATIONAL AREA; 1.00 MAIN HIGHWAY; 0.75 OTHER HIGHWAY)

SIZING FORMULA FOR SCHOOLS AND OTHER ESTABLISHMENTS  
WITH COMMERCIAL KITCHENS (NO DISHWASHER)

$$(M) \times (GM) \times (LF) = \text{EFFECTIVE CAPACITY OF GREASE INTERCEPTOR IN GALLONS}$$

WHERE:

- M = MEALS PREPARED PER DAY  
 GM = GALLONS OF WASTE WATER PER MEAL  
 (USE 5 GALLONS)  
 LF = LOADING FACTOR  
 (USE 1.00 WITH DISHWASHING MACHINE AND 0.75 WITHOUT DISHWASHING MACHINE)

NO COMMERCIAL DISHWASHER, NO CHINA OR DISPOSAL CHINA ONLY  
CAPACITY OF GREASE TRAPS

TOTAL FLOW-THROUGH RATING (GPM)	GREASE RETENTION CAPACITY (POUNDS)
4	8
6	12
7	14
9	18
10	20
12	24
14	28
15	30
18	36
20	40
25	50
35	70
50	100