

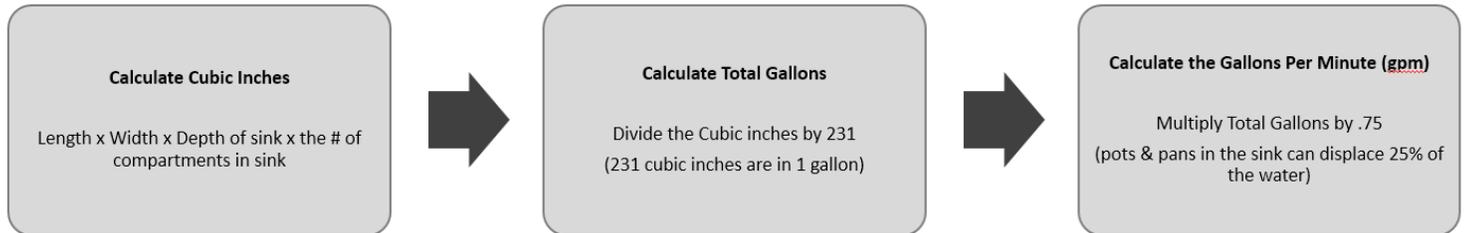


GREASE INTERCEPTOR SIZING GUIDANCE

The City of Temple has adopted the International Plumbing Code as required by state law. The City of Temple requires that all of the plumbing fixtures in each food preparation and utensil washing area be connected to a waste line that will flow through a grease interceptor. In accordance with the International Plumbing Code (IPC) the interceptor will be sized by calculating the TOTAL FLOW RATE of the three compartment sink(s), prep sink(s) and automatic dishwasher(s) in the facility.

1. Determine the **FLOW RATE** of each three compartment sink(s), automatic dishwasher(s), prep sink(s), and scrap sinks in the facility. **NOTE: The manufacturer of an automatic dishwasher must provide the flow rate for that unit.*

See below for steps to calculate the flow rate:



2. Determine the **TOTAL FLOW RATE**. The total flow rate is determined by the discharge of all fixtures. (This includes mop sinks, floor drains, hub drains or floor sinks).

TOTAL FLOW RATE = Add the Gallons Per Minute (gpm) of ALL fixtures

3. Calculate the interceptor volume based on minimum retention period to solidify grease in the tank. Typically, in commercial kitchen applications, 7-10 minutes retention time would be required. The retention time is equal to the flow rating.

TOTAL GALLONS FOR THE GREASE INTERCEPTOR = Total Flow Rate x 7

****REQUIREMENT FOR PLAN REVIEW****

Applicants for a building/plumbing permit must show on their ENGINEERED plans the calculations to determine the size of the grease interceptor, the dimensions of the proposed grease interceptor and provide a statement of the site conditions where the interceptor will be installed.

EXAMPLE: COMMERCIAL KITCHEN

3 COMPARTMENT SINK

18" x 18" x 24"

AUTOMATIC DISHWASHER

Manufacturers Specifications – 60 gpm

TWO - 2 COMPARTMENT PREP SINKS

12" x 12" x 18"

CALCULATIONS

3 COMPARTMENT SINK

18" x 18" x 24" x 3 = 23,328 cubic inches ÷ 231 = 100.98 total gallons x .75 = **75.74 gallons per minutes (gpm)**

AUTOMATIC DISHWASHER

Manufacturers Specifications – **60 gpm**

TWO - 2 COMPARTMENT PREP SINKS

12" x 12" x 18" x 2 = 5,184 cubic inches ÷ 231 = 22.44 total gallons x .75 = **16.83 gallons per minute (gpm)**

AND

12" x 12" x 18" x 2 = 5,184 cubic inches ÷ 231 = 22.44 total gallons x .75 = **16.83 gallons per minute (gpm)**

ADD

75.74 (gpm) - Total gallons for 3 compartment sink

60.00 (gpm) - Total gallons for automatic dishwasher

16.83 (gpm) - Total gallons for 2 compartment sink

+ 16.83 (gpm) - Total gallons for 2 compartment sink

= 169 TOTAL FLOW RATE x 7 (RETENTION TIME) = 1,185.8 total gallons