GREASE INTERCEPTORS

Sizing

Grease interceptors are sized according to the rate of incoming flow, in gallons per minute (GPM). Associated with the incoming flow rate is an interceptor's capacity. The rated capacity, in lbs., is listed at twice the flow rate, in GPM. For example, a 10 GPM interceptor has a rated capacity of 20 lbs.

General Procedure:

To Determine the Flow Rate of Each Sink:

1. Calculate the capacity of the sink in cubic inches:

   _____(LENGTH) x _____(WIDTH) x _____(DEPTH) = _____CU.IN.

2. Convert the capacity from cubic inches to gallons per minute (GPM): _____CU.IN. ÷ 231 = _____GPM.

3. Adjust for displacement: _____GPM x 0.75 = _____GPM.

4. **Result is the flow rate required to drain the sink in one minute.***

   ***Note:** If drain down time is not critical, an interceptor with a lesser flow rate, up to half the calculated flow rate may be specified.*

   Example:

   Three compartment pot sink, each compartment 12" x 12" x 15"

   1. 12" x 12" x 15" = 2160 cu. in. x 3 comp. = 6480 cu. in.
   2. 6480 cu. in. ÷ 231 = 28 GPM.
   3. 28 GPM x 0.75 = 21 GPM.

   A 20 GPM interceptor would permit the sink to drain in slightly more than one minute.

   *Discharge from spray hoods is determined by the flow rate of the hood.

   *It is not recommended to pass commercial dishwashers through an interceptor.
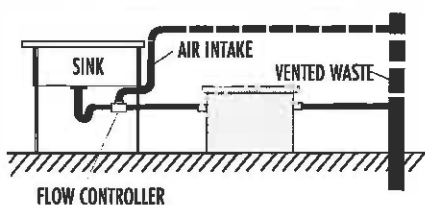
Sizing For Multiple Fixtures:

1. Determine the flow rate for each fixture to be serviced by the interceptor.

2. Add together 100% of the largest flow rate, 50% of the second largest, and **25%** of all others.

3. **Result is the recommended flow rate of the interceptor.**
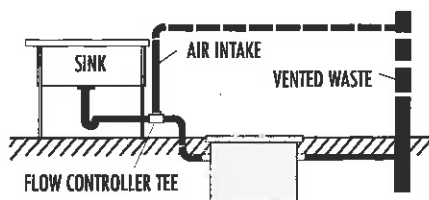
   Example:

   1. Fixture A: 35 GPM Flow Rate
      Fixture B: 26 GPM Flow Rate
      Fixture C: 18 GPM Flow Rate
      Fixture D: 12 GPM Flow Rate

   2. 35 GPM (A) x 100%   =   35 GPM
      26 GPM (B) x 50%   =   13 GPM
      30 GPM (C + D) x 25% = 7.5 GPM
      _____
      Total Flow Rate   =   **55.5 GPM**

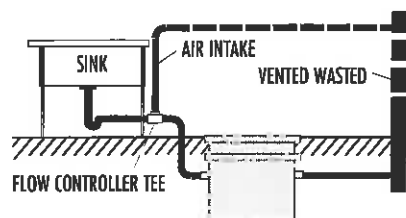   A 50 GPM interceptor is recommended for this installation.

Typical Configurations

ON FLOOR

RECESSED

RECESSED WITH EXTENSION