FOG Interceptor General Design for Commercial Kitchens

Minimum 6" Diameter Pipe

Inlet

Precast Concrete Baffles Set In Keyways

Outlet

Variable

Manhole Covers for Inspection and Cleaning

Casting as Spec.

Minimum 6" Diameter Pipe

Inlet

Liquid Surface

3" Vent Below Grade to Building Plumbing Vent

2" Minimum

Precast Concrete Grade Rings

Outlet

Minimum 6" Diameter Pipe

Reinforced Concrete

Sizing requirements per I.S.B.H. Bulletin 13, 1988, Sec. 501 on following page.
FOG Interceptor Requirements

FOG Interceptor sizing shall comply with Indiana State Board of Health Bulletin S.E. 13 1988, Section 501 as follows:

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\text{Liquid Capacity in Gallons} = \left( \text{Peak No. Of Meals Per Hr.} \times \text{Waste Flow Rate Factor} \times \text{Req'd Retention Time} \times \text{Storage Factor} \right)
\]

- **Waste Flow Rate Factor**
  - With Dishwasher Equip't = 6 gal.
  - Without Dishwasher Equip't = 5 gal.
  - Single Service Kitchen = 2 gal.
  - Food Waste Disposal = 1 gal.

- **Retention Time**
  - Commercial Kitchen Waste = 2.4 hrs.
  - Single Service Kitchen = 1.5 hrs.

- **Storage Factor**
  - Commercial Kitchen, open 8 hrs. = 1.0
  - Commercial Kitchen, open 16 hrs. = 2.0
  - Commercial Kitchen, open 24 hrs. = 3.0
  - Single Service Kitchen = 1.5

FOG interceptors must be installed on a separate building sewer line servicing kitchen flows and shall be connected only to those fixtures or drains which would allow fats, oils, and grease (FOG) to be discharged. This includes:
- Pot sinks;
- Pre-rinse sinks;
- Any sink into which fats, oils and grease are likely to be introduced;
- Soup kettles or similar devices;
- Wok stations;
- Floor drains or sinks into which kettles may be drained;
- Automatic hood wash units;
- Dishwashers without pre-rinse sinks; and
- Any other fixtures or drains likely to allow fats, oils and grease to be discharged.

All food grinders or food garbage disposals must discharge to the FOG interceptor, unless specifically stated otherwise in the users permit.

No fixture or drain other than those listed above shall be directly connected to the FOG interceptor unless approved by the Director. The following shall not be discharged into FOG interceptor:
- Waste that does not contain FOG and that otherwise does not require treatment;
- Wastewater from dish washing machines or wastewater with a temperature exceeding 140°F;
- Sanitary waste;
- Any substance that may cause excessive foaming in the MWPCF;
- Emulsifiers, chemicals, and enzymes.

The outlet discharge line from the FOG interceptor shall be directly connected to the municipal sanitary sewer.

Separate cleanout covers shall be provided over the inlet and outlet of the FOG interceptor to provide easy access for inspection and cleaning.

For more information, please contact the Bureau or visit [www.munciesanitary.org/bwq](http://www.munciesanitary.org/bwq).