



City of Milledgeville

SPECIFICATIONS AND PROCEDURES FOR INTERIOR AND EXTERIOR FOG INTERCEPTORS

Section 1: Authority

The purpose of this Fats, Oils and Grease (FOG) Program is to implement the provisions defined in the Code of Ordinances of the City of Milledgeville, Ordinance O-1311-013, Chapter 91 entitled *Food Service and Food Preparation Recovery System*.

Section 2: Specifications

Specifications for interior and exterior FOG interceptors shall conform to the interceptor design requirements as defined in Chapter 91, Sec. 91-7 of the Code of Ordinances of the City of Milledgeville.

Figure 2.1 – Exterior Grease Trap Interceptor Design Specifications

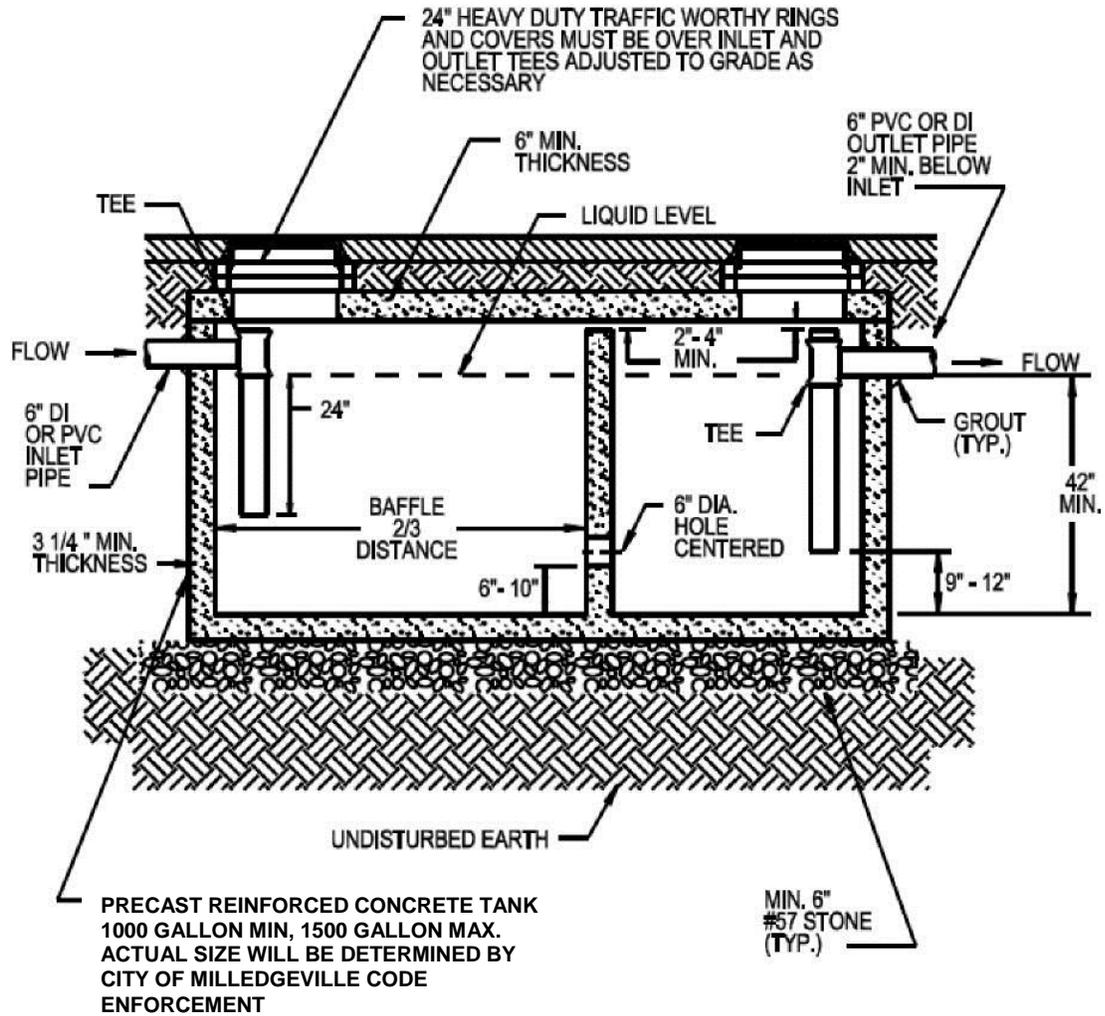
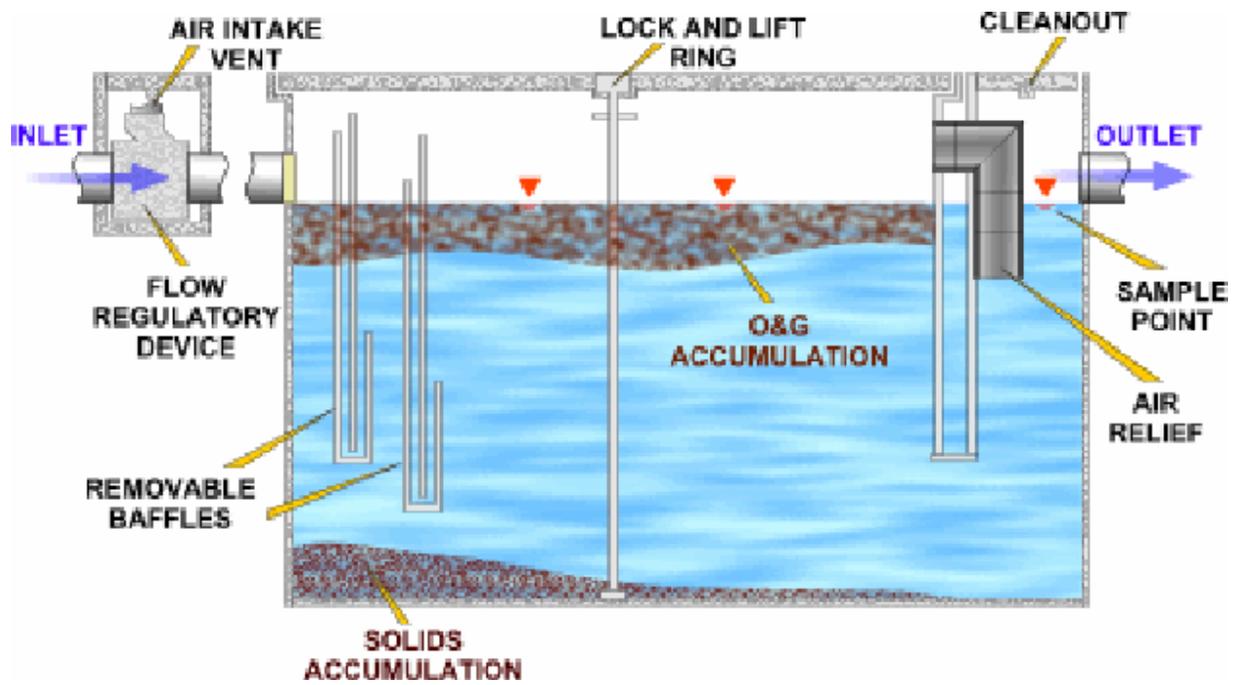


Figure 2.2 – Interior Grease Trap Design Specifications



50 Lb Minimum

Must be approved on a case by case evaluation and authorized by the city.

Section 3: Standards

All FOG interceptors shall be constructed in accordance with the below standards:

3.1. Exterior FOG Interceptors:

- 1) Installed by a plumber licensed in the state of Georgia;
- 2) Properly sized based on anticipated flow rates, FOG concentration evaluation and the results of an inspection. Sizing shall be a minimum of 1000 gallons in capacity and based on Chapter 91, Sec. 91-7 (g) of the Code of Ordinances of the City of Milledgeville and shall conform to the International Plumbing Code;
- 3) Accessible for inspection and have no permanent or temporary structure or container placed directly over the FOG interceptor;
- 4) Not installed in areas subject to traffic;
- 5) Placed level on a consolidated, stable base so that no settling or tipping of the FOG interceptor can occur;
- 6) Constructed of reinforced materials suitable for load bearing and water tight to prevent inflow and infiltration;
- 7) Pre-cast with a minimum of three thousand (3000) pounds per square inch (psi) concrete per applicable American Society for Testing and Materials (ASTM) Standards with four (4) to seven (7) percent air entrapment or as recommended by the manufacture;
- 8) Located at least twenty-five (25) feet from the last appliance connected to the FOG line within the building or as recommended by the manufacturer;
- 9) Connected to the FSE's lateral sewer line;
- 10) Designed to have adequate reinforcement and cover (including piping) meeting HS-20 traffic loading specifications, if located in traffic areas. FOG interceptors in traffic areas also require concrete driving surface over piping with structural backfill around piping;
- 11) Connected to all the fresh air fixtures (sinks, dishwashers, automatic hood wash units, food preparation floor drains, storage area floor drains, and other fixtures which have the potential to introduce FOG into the POTW);
- 12) Installed so that no wastewater from sanitary sewer fixtures, such as toilets and bathrooms, shall be connected to the interceptor nor can a FOG interceptor be connected to a septic tank;
- 13) Installed with functioning baffle wall and other flow control devices necessary to achieve an adequate time for FOG to properly separate but not to

exceed twenty-four (24) hours; and Maintained so that the minimum depth of the liquid shall be forty-two (42) inches.

3.2. Interior FOG Interceptors:

- 1) Rated by the Plumbing and Drainage Institute (PDI);
- 2) Installed in accordance with the manufacturer's specifications by a plumber licensed in the state of Georgia and not a representative and/or an apprentice of the licensed plumber;
- 3) Consist of a minimum capacity of fifty (50) pounds as defined by the PDI; Made of corrosion-resistant coated metal;
- 4) Sized properly based on anticipated flow rates, FOG concentration evaluation, and the results of an inspection;
- 5) Sizing shall conform to Chapter 91, Sec. 91-7 (g) of the Code of Ordinances of the City of Milledgeville;
- 6) Contain properly installed and functioning baffle walls and other flow control devices necessary to achieve the appropriate retention time;
- 7) Ensure an interior retention time of at least a thirty (30) minutes before wastewater is discharged into the sanitary sewer;
- 8) Tie all the fresh air fixtures to the FOG interceptor;
- 9) Ensure accessibility for inspection;
- 10) Include a maximum of fifteen (15) foot distance between the FOG interceptor and the last fresh air fixture and have a proper flow control device as recommended by the manufacture; and
- 11) Ensure no liquid discharging into the FOG interceptor has a temperature of greater than one hundred and forty degrees (140°) Fahrenheit.

3.3 Inlet and Outlet Piping:

- 1) The inlet and outlet piping shall have a two-way cleanout tee installed and leveled;
- 2) The inlet and outlet tees should be made of Schedule 40 polyvinyl chloride (PVC) piping at a 90- degree angle;
- 3) The tee and pipe shall be no less than six (6) inches in diameter;
- 4) The tee shall be installed with the run in the vertical orientation. Inlet piping shall enter at three (3) to six (6) inches above the invert of the outlet piping;

- 5) Inlet piping shall extend to twenty-four (24) inches below the water level of the interceptor; Outlet pipe shall extend to thirty-six (36) inches below the water level of the interceptor;
- 6) The outlet discharge line from the FOG interceptor must be directly connected to a sewer line tapped into the sanitary sewer main; and
- 7) There shall be a minimum of two manholes with covers that are gas-tight in construction having a minimum opening of twenty-four (24) inches in diameter (one over the inlet and one over the outlet) to provide access for cleaning and inspection of all fixtures and compartments of the FOG waste interceptor.

3.4. Venting of FOG Waste Interceptors:

- 1) The FOG waste interceptor shall be designed so that it will not become air bound if a tight cover is used.
- 2) The FOG waste interceptor and discharge line shall each be vented and the vents shall not be tied together less than forty-two (42) inches above the tank lid elevation.

3.5. Accessibility of FOG Waste Interceptors:

- 1) Access shall be provided to each FOG interceptor for service and maintenance by a minimum of two manholes with covers having a minimum opening of twenty-four (24) inches in diameter (one over the inlet and one over the outlet) to provide access for cleaning and inspection of all fixtures and compartments of the FOG waste interceptor.
- 2) In addition, a minimum of one manhole every ten (10) feet of FOG interceptor length is required for interceptors more than twenty (20) feet long. FOG interceptors shall be maintained by periodic removal of accumulated grease, scum, oil, or other floating substances and solids deposited in the FOG waste interceptor.