



Hampton Roads Regional Technical Sizing Standards for Grease Control Devices
HRSD Appendix A: Grease Control Device Sizing and Selection Worksheet

Applicant/Owner Name: Phone:
Food Service Establishment (FSE): Email:
FSE Address:

Select all that apply: New FSE Existing FSE Change of Ownership Renovation
All locality permits still apply

Existing GCD: Make and Model: Unknown NA
Interior GCD gpm/ lbs. Unknown NA
Exterior GCD gpm/ lbs. or gallons Unknown NA

Grease Produced (lbs.)

Menu Type (Table 3): 2. Grease Factor (Table 3): 3. Average Meals Per Day:

Complete the table below

Table with 5 columns: Grease Storage Capacity, Daily Loading, 30 days, 60 days, 90 days. Row 1: Grease Produced (lbs.)

[Grease Factor x Average Meals Per Day = Daily FOG Loading]

[Daily FOG Loading x Number of Days (30/60/90) = Grease Produced]

Flow Rate (gpm)

- 1. Will fixtures be indirectly connected to the GCD? Yes No Unknown
2. Will the GCD be installed within 20 feet of the fixtures? Yes No Unknown
3. Interior Installation or Exterior Installation
4. Describe Installation Location:
5. What is the diameter of the pipe leading to the GCD?

6. List all fixture connected to the GCD in column A

A Fixture Type (i.e., 3-compartment sink, pre-rinse sink, dump sink, dishwasher, floor drain, wok, etc....)	B Basin/Bowl Measurements (inches)			Or	C		
	L	W	H		Pipe Size (inches)	one min. drainage period = Fixture Capacity Gallons x 1.0	two min. drainage period = Fixture Capacity Gallons x 0.5

- a) Complete Columns B or C for each fixture.
- b) For interior installations, if the answer to either question 1 or 2 is YES, use a one-minute drainage period, using the calculations/table below.
- c) For exterior installations use a two-minute drainage period, using the calculations/table below.

Calculations for Flow Rate:

Column B

$$\frac{(\# \text{ of compartments} \times [L \text{ (inches)} \times W \text{ (inches)} \times H \text{ (inches)}])}{231 \text{ cubic inches per gallon}} \times 0.75 = \text{Fixture Capacity Gallons}$$

Column C

Pipe Size (inches)	Full-Pipe Flow (GPM) ²	One-minute drainage period (GPM)	Two-minute drainage period (GPM)
2	20	20	10
3	60	75	35
4	125	125	75
5	230	250	125
6	375	400	200

2. 1/4 inch per foot based on Manning's formula with friction factor N = 0.012

Calculated Grease Capacity (lbs) and Flow Rate (gpm)

grease capacity: _____ flow rate: _____

Proposed GCD(s)

The GCD must meet both minimum requirements for grease capacity and flow rate.

- 7. Make/Model: _____
- 8. Flow rate (GPM): _____ Validated grease capacity* (lbs.): _____
- 9. Which product standard does the GCD meet?
PDI-G101 ASME A112.14.3 ASME A112.14.14 CSA B481 None
- 10. Is the material of construction compatible with a pH of 3? Yes No
- 11. If the answer to number 10 is “No”, what material is the tank lined or coated with*:
- 12. _____

*Must provide evidence that the liner or coating is compatible with a pH of 3 and that it cannot be easily penetrated, scraped off or removed. Acid Resistant Enamel (ARE) coatings are not allowed.

- 13. Name/Phone# of Certified Grease Hauler: _____
 N/A Request to Self-Clean* (must submit [Appendix C](#))

Submit the completed form to p3data@hrsd.com along with all other required documentation. Approval will be sent in writing, once approved, no substitutions shall be allowed without prior written approval from HRSD.

For questions, contact Amanda Albright at 757-460-7024 or aalbright@hrsd.com

Signature of Applicant: _____ Date: _____