



SHOP

SIZE

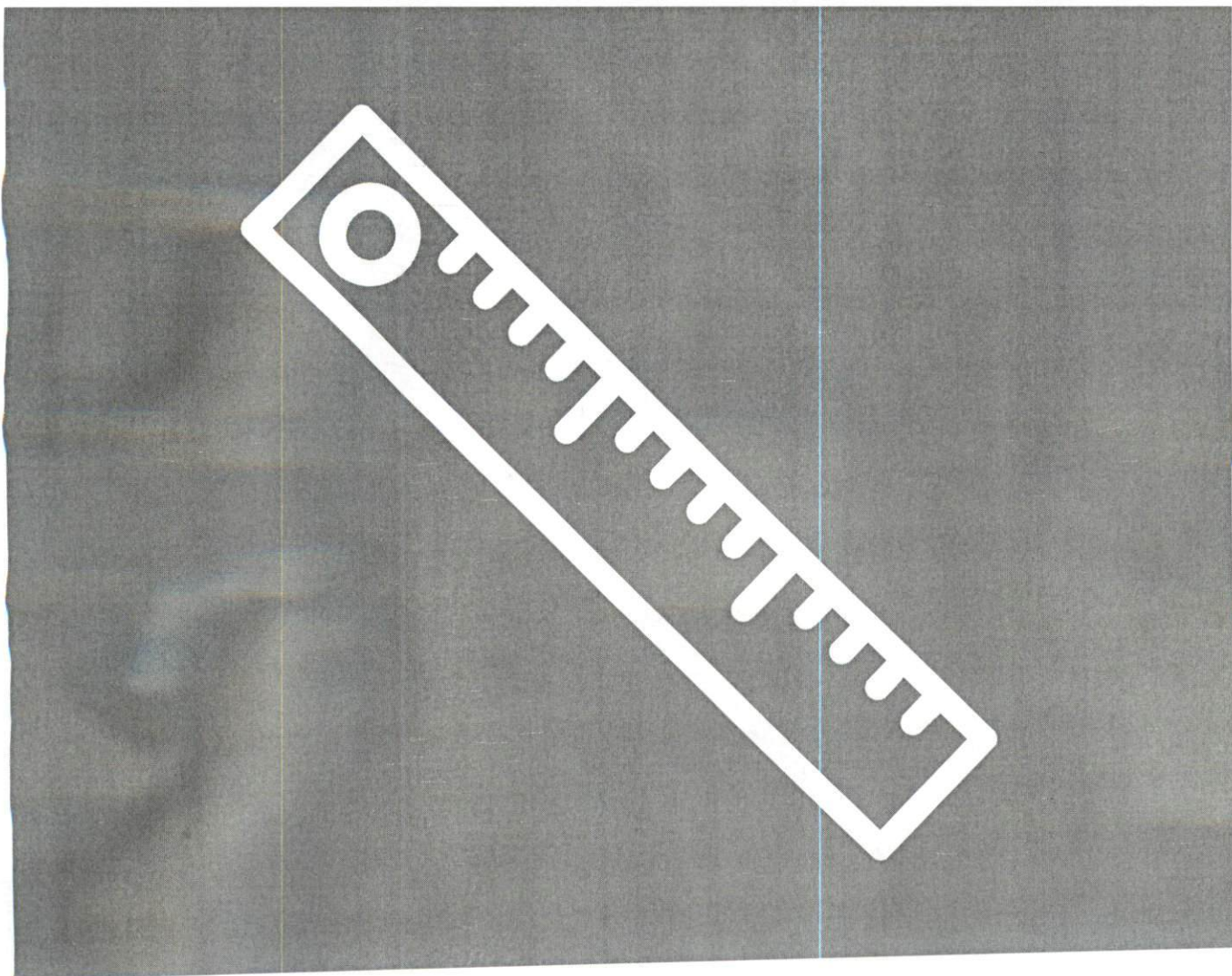
QUOTE

BUY LOCAL

RIGHT SIZING

Many plumbing codes focus on either flow rate or liquid volume to size a grease interceptor, which can lead to undersizing or oversizing. Schier considers both **flow rate** and **grease production** to determine the capacity of the interceptor and its recommended pumpout frequency.

A correctly sized grease interceptor reduces maintenance costs for restaurants as well as the chance of a messy and costly clog/backup. Right sizing is critical in choosing the correct grease interceptor, and we've got it down to a science. It's called Grease Production Sizing Method (GPSM).



GREASE PRODUCTION SIZING METHOD (GPSM)

Introduced by Schier in 2012, GPSM calculates how much grease a restaurant is likely to produce to ensure the grease interceptor has enough capacity to allow for a realistic and affordable pumpout frequency.

GPSM has been used to size more than 100,000 restaurant grease interceptors, adopted by several municipalities, published in the 2016 edition of the ASPE Plumbing Engineering Design Handbook and now powers our [Grease Monkey® sizing app](#).

HERE'S HOW IT WORKS

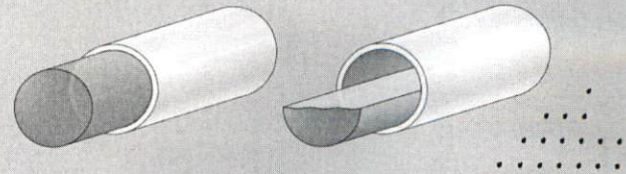
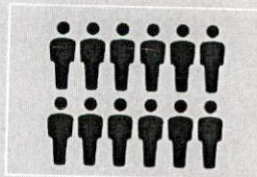


Step 1: Size by Flow Rate - Pipe Size or Fixtures

DIAMETER OF GREASE WASTE PIPE	MAXIMUM FULL PIPE FLOW*	SIZE OF GREASE INTERCEPTOR	
		ONE-MINUTE DRAINAGE PERIOD	TWO-MINUTE DRAINAGE PERIOD
2"	20 GPM	20 GPM	10 GPM
3"	60 GPM	75 GPM	35 GPM
4"	125 GPM	150 GPM	75 GPM
6"	375 GPM	400 GPM	200 GPM

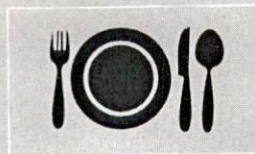
* $\frac{1}{4}$ inch slope per foot based on Manning's formula with friction factor $N = 0.012$

▲ RECOMMENDED

**Step 2:** Determine Grease Capacity for Pumpout Frequency

MEALS PER DAY

X



GREASE PRODUCTION
VALUES
[See FSE values below]

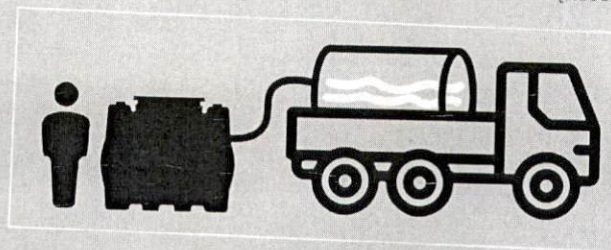
X



DAYS PER PUMPOUT
CYCLE
[Recommended 90 days]



=



GREASE CAPACITY NEEDED



Foodservice Establishment

(FSE) Grease Production Values

Low

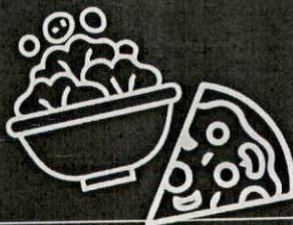
.005 lbs / meal (no flatware)
.0065 lbs / meal (with flatware)

Serves food prepared
offsite or food that
requires minimal
preparation and/or
warming like a
coffee or
deli shop

*Medium*

.025 lbs / meal (no flatware)
.0325 lbs / meal (with flatware)

Serves food from a limited
menu and/or with a limited
amount of onsite preparations
like a pizza or salad restaurant

*High*

.035 lbs / meal (no flatware)
.0455 lbs / meal (with flatware)

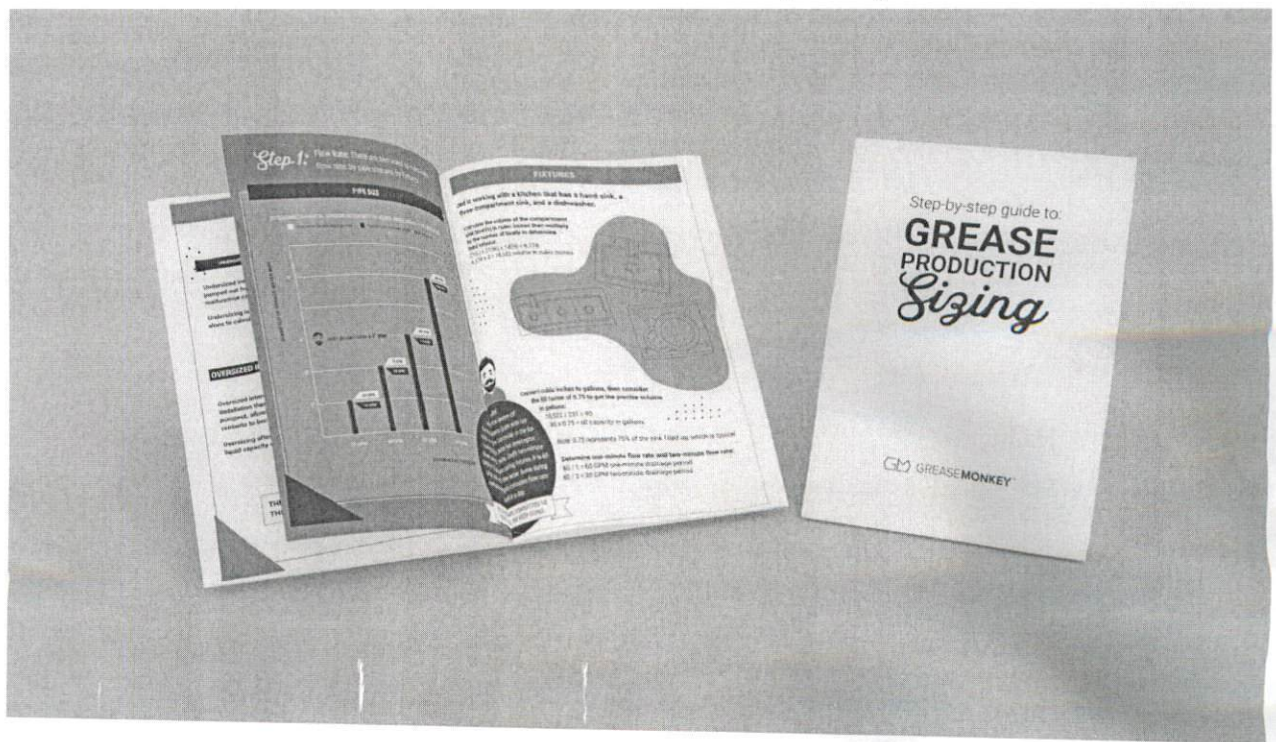
Serves a full menu of food
prepared onsite; full serve
and with a fryer like a
steakhouse or bar and grill



EBOOK

For more details on how to size a grease interceptor using GPSM, get our free Grease Production Sizing eBook.

[CLICK HERE](#)



GREASE MONKEY® SIZING APP

Grease Monkey® guides you through the important aspects of sizing and produces a plans-ready sizing report using GPSM. Once you receive your recommended interceptor, you can opt-in to our complimentary GM CHECK service in which our sizing experts double-check your work and confirm local code approval for your grease interceptor installation.

GM CHECK services:

- **SPOT CHECK** - Consult with a specialist regarding general guidance, non-jurisdiction related sizing questions, or product inquiries.
- **JURISDICTION CHECK** - An in-depth review with a specialist that covers jurisdiction specific questions or when you're ready to confirm jurisdiction compliance.

Additional Grease Monkey Features:

- Easy-to-use interface
- The ability to save and modify previous sizings
- Produces PDF plans-ready detail diagram and sizing calculations, perfectly sized for placement on your construction documents

- Accommodates local jurisdictional requirements including Miami, Illinois, Wisconsin, Oregon, and more!
- GM CHECK service facilitated by Schier's sizing experts...all for free!

GET STARTED

Grease Monkey® is a registered trademark of Schier Products Company

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Grease Monkey Sizing

Stocking Program

National Brands Program

Specification Engineer Services

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Schier is an employee-owned specialty manufacturer of a premier lineup of 100% USA-made, high-capacity, lifetime guaranteed grease interceptors for commercial kitchens. In the last 20 years we have grown from a small regional company to the most widely specified and inventoried brand of grease interceptors sold throughout the U.S. Our purpose is to serve and provide for our employees by being a resilient company that offers best-in-class products and services.

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6455 Woodland Drive

Shawnee, KS 66218

support@schierproducts.com

Hours 8am-5pm CST, M-F

CONTACT US

LIFETIME GUARANTEED GREASE INTERCEPTORS

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**SCHIER**

SHOP

SIZE

QUOTE

BUY LOCAL

OVERVIEW

DOCUMENTS

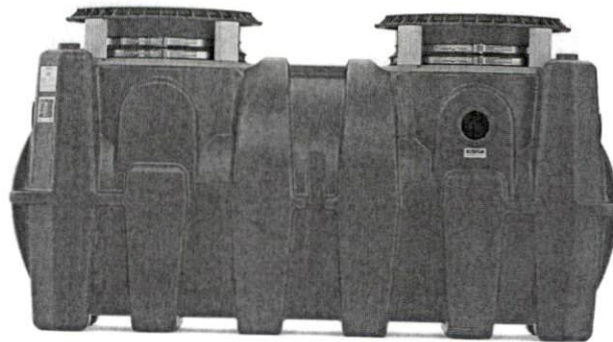
BUY NOW

GB-250

GREASE INTERCEPTOR

GB-250

BUY NOW



RATINGS

100 GPM / 1,895 LBS

200 GPM / 1,196 LBS

INDOOR /
OUTDOOR

277 GAL

LIQUID
CAPACITY

PRODUCT DESCRIPTION

100/200 GPM grease interceptor

The lifetime guaranteed GB-250 offers best-in-class certified grease capacity and 25% kitchen solids waste capacity. It is rotationally molded from high density polyethylene with deep structural contours to handle any installation scenario: above grade, buried, indoor or

outdoor. Use the Fast Pitch (see [FP24](#)) riser system to bring covers to finish grade with speed and precision. The triple outlet feature allows for installation flexibility, including the ability to connect an unused outlet for remote pumpout (see [PP3](#)).

More features:

- [Hydromechanical](#) performance, third-party certified
- No flow control required, certified to Type D of the ASME standard
- Safety Star® access restrictor prevents accidental entry
- Fits through 36" doorways
- Sold with temporary cover to be replaced post-install with finish cover



Listed by IAPMO to hydromechanical grease interceptor standards ASME A112.14.3 and CSA B481.1.

High Flow factory ratings (New York & Vancouver)

- Up to 250 GPM / 500 lbs.

ALTERNATE CONFIGURATIONS

GB-250-B — 75 GPM, 277-gallon grease interceptor intended for Miami DERM market

Need Documentation?

[LEARN MORE](#)

TECHNICAL INFORMATION

Flow Rate/Grease Capacity

100 GPM / 1,895 lbs

200 GPM / 1,196 lbs

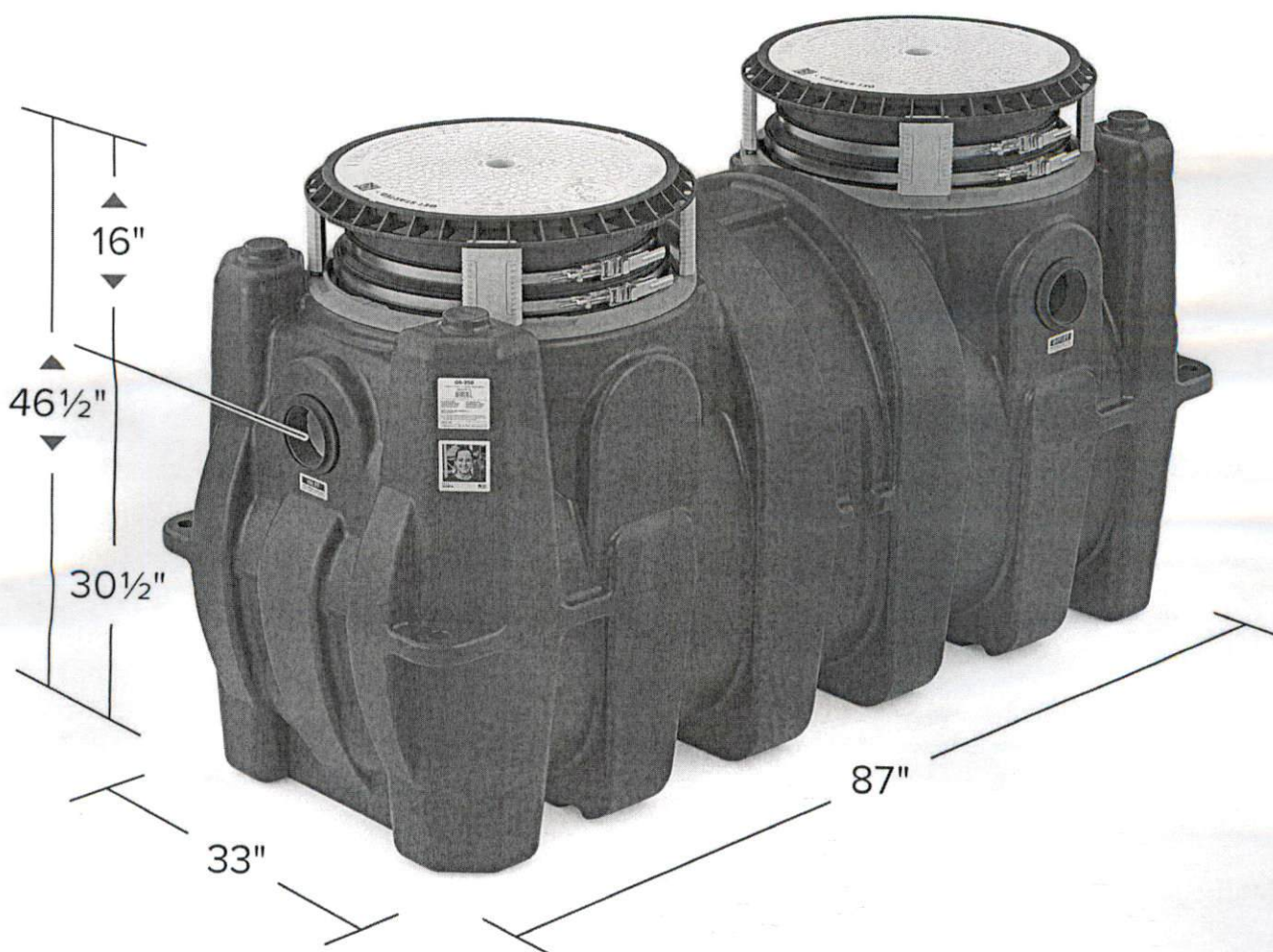
Solids Capacity 69 gal

Liquid Capacity 277 gal

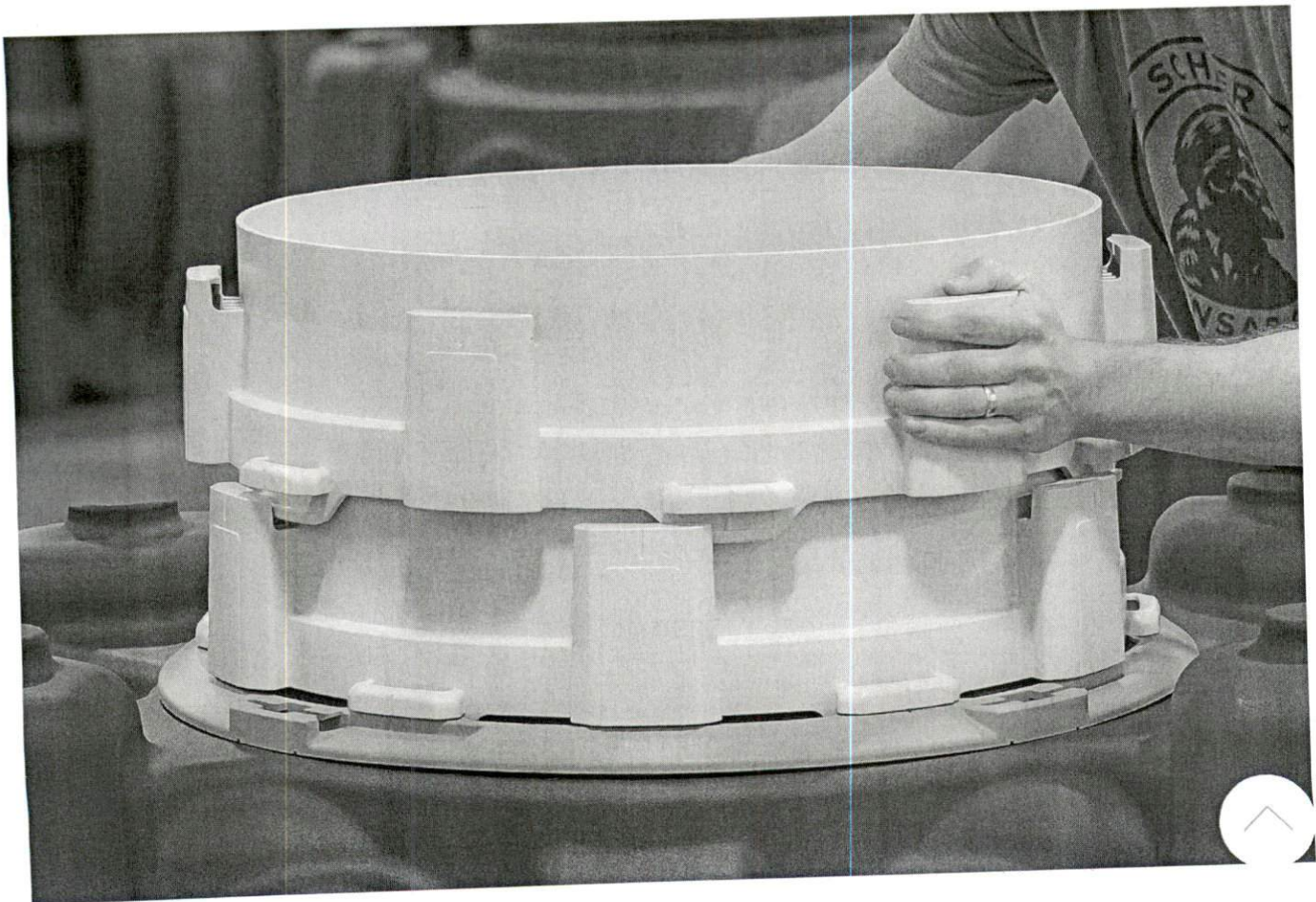
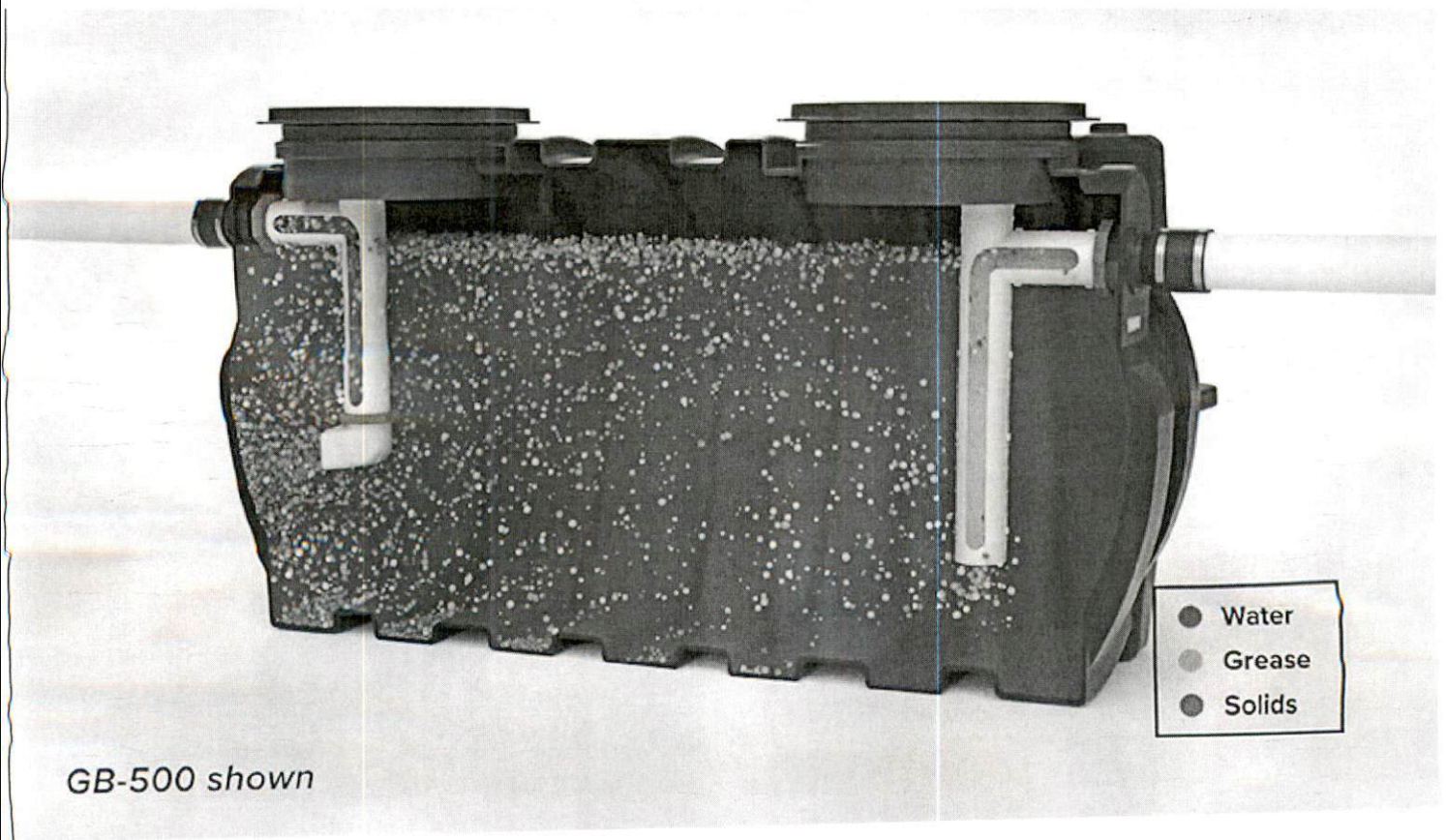
Weight 236 lbs

Installation Location Indoor/Outdoor





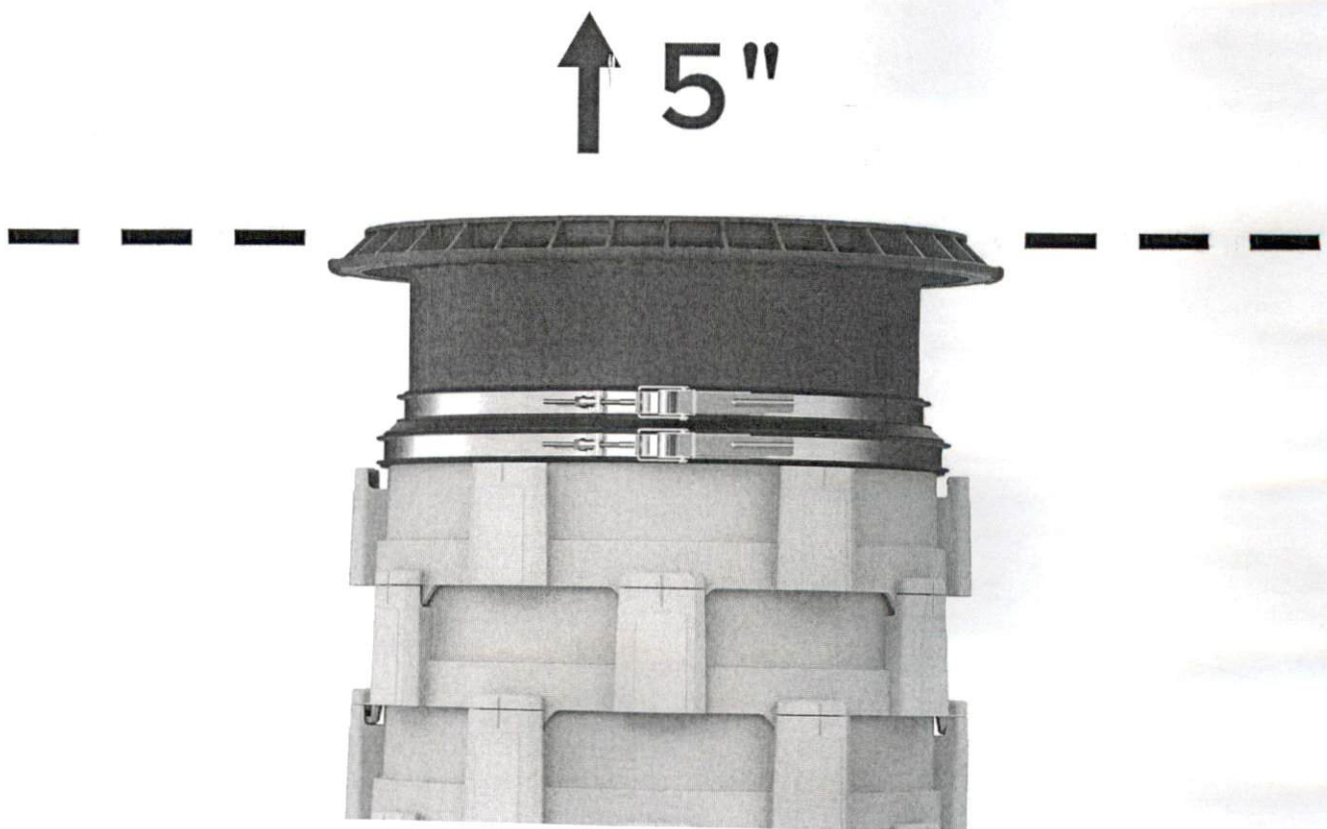
Cover adapters can be raised or lowered 2½".



ACCELERATE YOUR INSTALLATION

With our easy-to-use, stackable riser system, your buried tank installation will go faster than ever. No cutting, no tools – just stack, twist, lock and repeat.

LEARN ABOUT FAST PITCH®

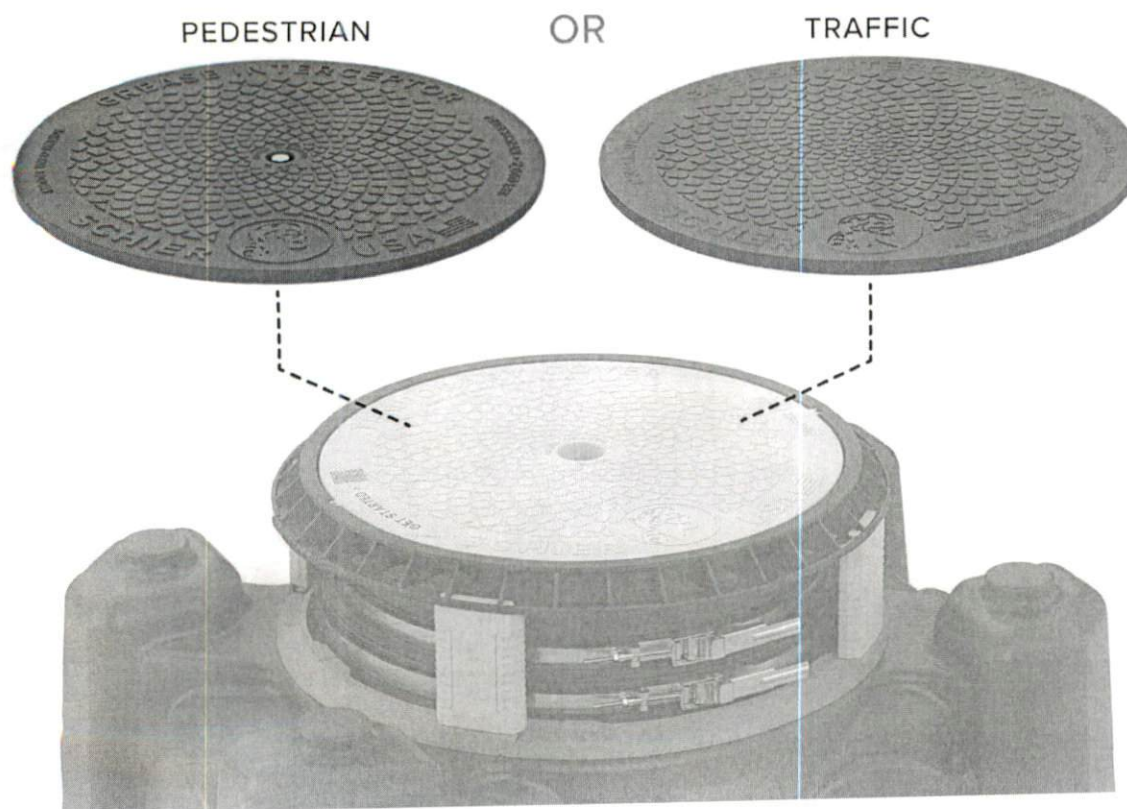


REFINE YOUR INSTALLATION

Once your Fast Pitch risers are set, insert and adjust your cover adapter to match finish grade with no unachievable dimensions. Adjust the cover adapter up to 5" or tilt 5 degrees in any direction for a perfectly flush-with-grade finish cover.

FINISH COVERS

All tanks ship with a temporary cover that must be replaced with either a P24-GI pedestrian cover or a T24-GI traffic cover. Covers are **sold separately**.





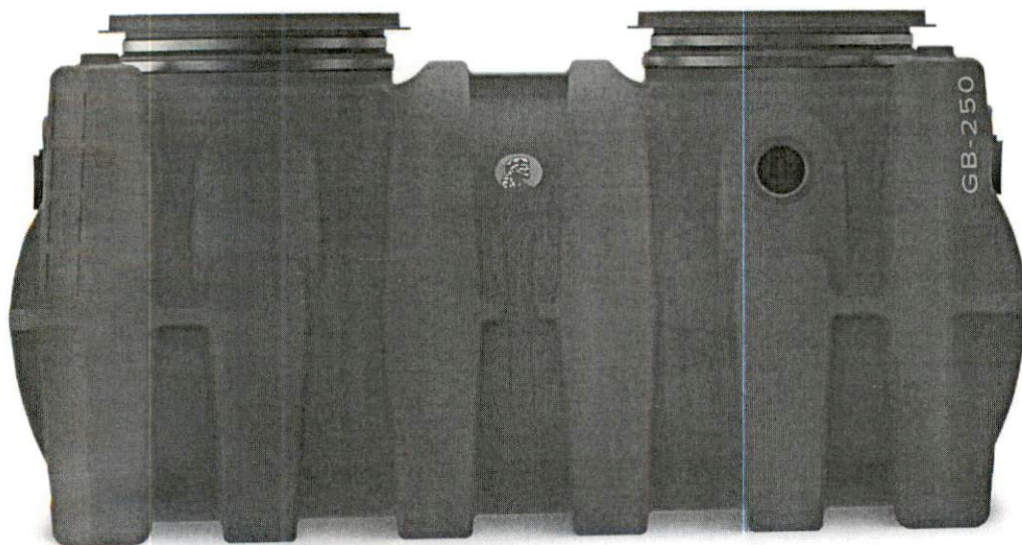
SAFETY STAR®

Safety Star has been redesigned to meet the standards of our new Fast Pitch riser system. It includes better structure, a molded-in center nut to fasten the temporary and pedestrian covers, locking ramp and tank product identification.

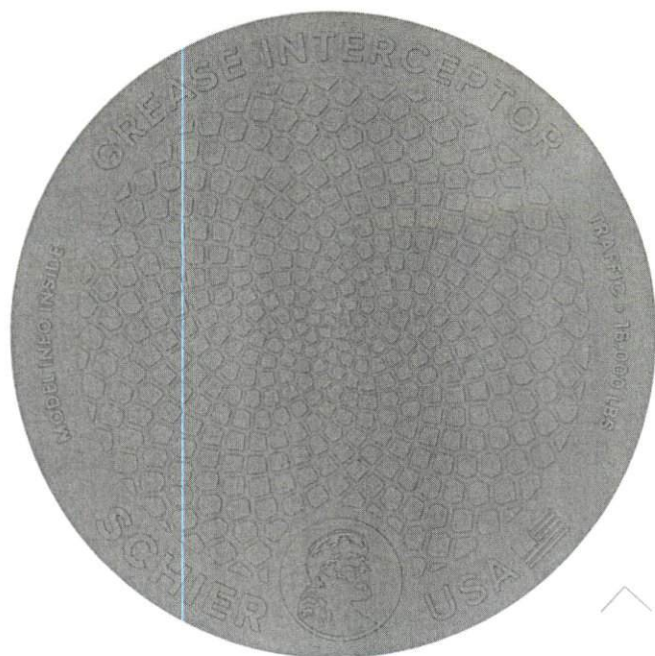
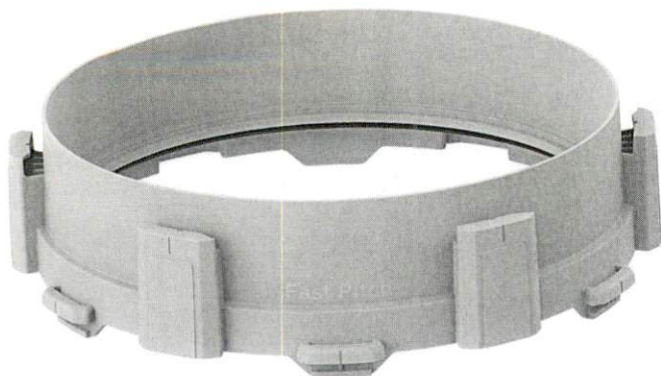
LOOKING FOR THE OLD ME?

The Great Basin® line was redesigned and launched in July 2025. To find information on the previous version of this model, visit our "Legacy" page.

SEE LEGACY PRODUCTS



ACCESSORIES

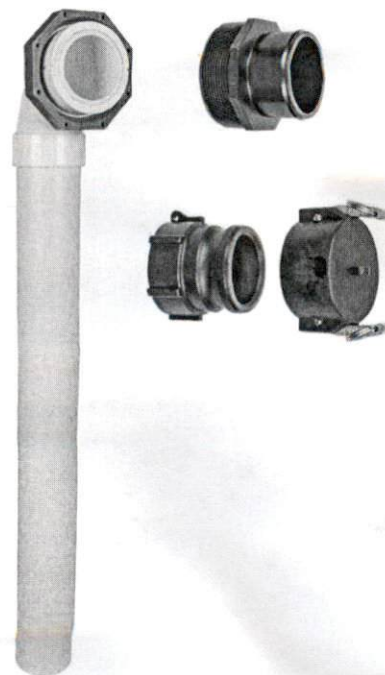


FP24

5" tall Fast Pitch® Riser for grease interceptors with 24" covers installed below grade.

**T24-GI**

Cover, 24in Traffic Rated, Grease Interceptor System

**P24-GI**

Cover, 24in Pedestrian Rated, Grease Interceptor System

PP3

Pumpout Port Kit that converts an outlet *into* a pumpout port. Use with GB-50, GB-75, GB-250, GB-500.

[VIEW ALL](#)

FREQUENTLY ASKED QUESTIONS

Are the Great Basin® indoor/outdoor units traffic rated (H-20 load rate)?

Can corrugated pipe be used as a riser on the Great Basin® indoor/outdoor units?

Can the discharge from a food waste grinder be run through the Great Basin® indoor/outdoor units?

Can the Great Basin® indoor/outdoor units be installed above grade (on the ground)?

Can the Great Basin® units be used with a dishwasher?

Can you suspend the Great Basin® indoor/outdoor units with cover adapter(s) penetrating the floor above?

Do the Great Basin® indoor/outdoor units need to be installed inside a vault to be buried in a high-water table area?

Do the Great Basin® units require a fixture vent?

How much space is needed between units when they are installed in series?

How can I view legacy products?

Our fixture has an air gap and discharges into a floor sink, which is overflowing.
How can we fix this?

How do I calculate how many risers I need for Great Basin® indoor/outdoor units?

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National Brands Program

Specification Engineer Services

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LIFETIME GUARANTEED
GREASE INTERCEPTORS

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