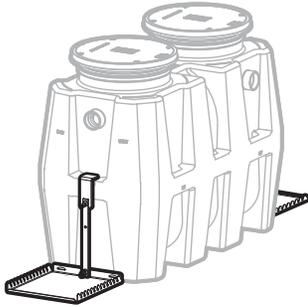


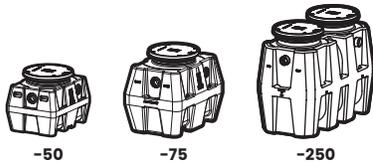
SPECIFICATION AND INSTALLATION GUIDE

AK1 Anti-flotation Anchor Kit for use with Grease and Solids Interceptors

For Legacy Models



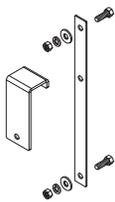
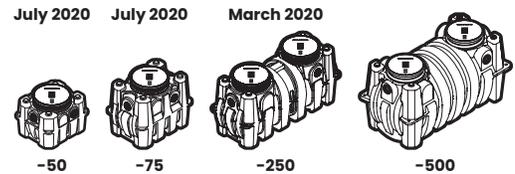
Great Basin™ Legacy Grease Interceptors
GB-50, GB-75 and GB-250
Billy Goat™ Legacy Solids Interceptors
SI-50, SI-75 and SI-250



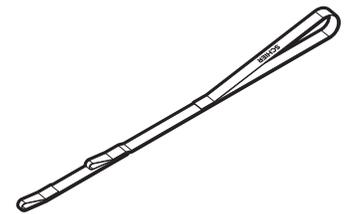
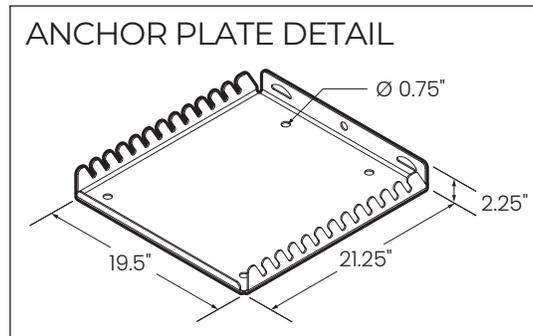
For New Models



Great Basin™ Grease Interceptors
GB-50, GB-75, GB-250 and GB-500
Billy Goat™ Solids Interceptors
SI-50, SI-75, SI-250 and SI-500



Hook and Bar for Legacy Models



Straps for New Models

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Getting to Know the AK1	2
Standard Models Installation	3
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Notes

1. GB-500 requires use of 2 AK1 anchor kits (4 total anchor plates)
2. Unit weight: 25 lbs.

Engineer Specification Guide:

Anti-flotation high water table anchor kit for use with models GB-50, GB-75, GB-250 and GB-500. To consist of (4) polypropylene sling style tie-down straps rated for 2,200 lb. working load each, (2) aluminum anchor plates and stainless steel hardware (for use with legacy models only).



MODEL NUMBER:
AK1

DESCRIPTION: Anti-flotation Anchor Kit

PART #: 8020-001-01

DWG BY: B. Karrer

DATE: 6/24/2020

REV:

ECO:



SPECIAL PRECAUTIONS

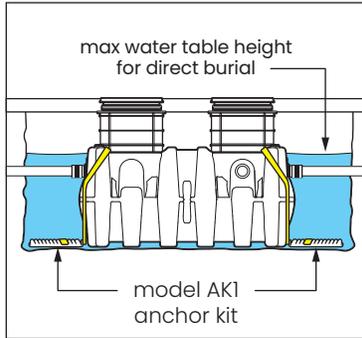
For Schier Grease Interceptor Installations - Failure to follow this guidance voids your warranty

CAUTION! Do not install this unit in any manner except as described in these instructions.

- Read all instructions before installation
- Install in conformance with all local codes

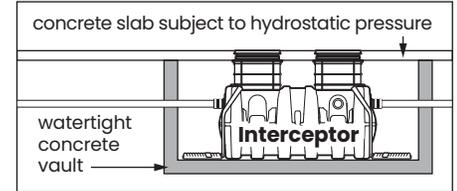
High Water Table Installations

Interceptors and risers are not designed to withstand water table height in excess of the top of the unit when buried (see figure). If it is possible for this to occur, install the interceptor and risers in a water-tight concrete vault or backfill with concrete or flowable fill (wet concrete and flowable backfill should be poured in stages to avoid crushing the interceptor). At risk areas include but are not limited to tidal surge areas, floodplains and areas that receive storm water. Great Basin™ and Billy Goat™ models that are direct buried in high water table scenarios must be installed with an anchor kit.

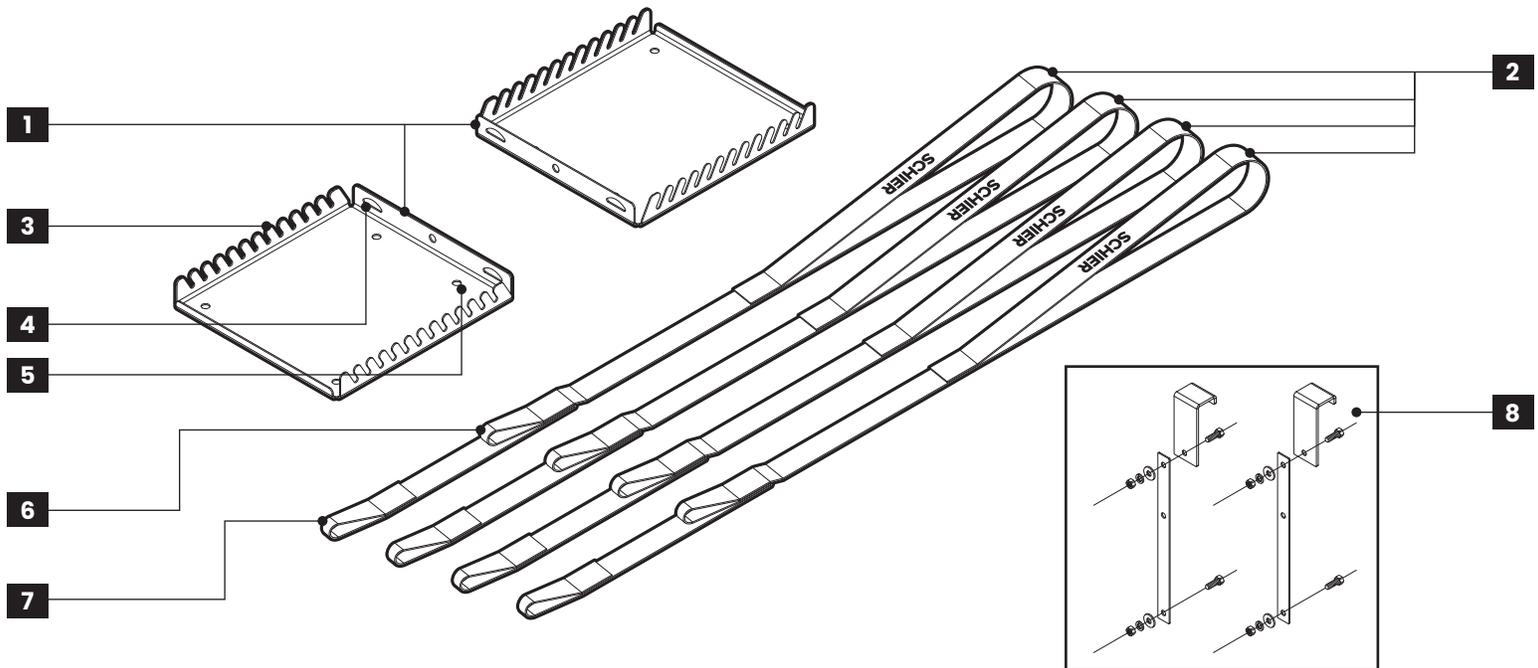


Hydrostatic/Pressure Slabs

When installed under a hydrostatic slab (slab designed to withstand upward lift, usually caused by hydrostatic pressure) interceptor must be enclosed in a watertight concrete vault.



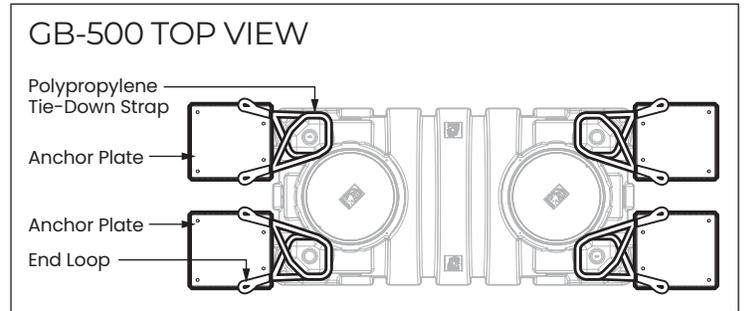
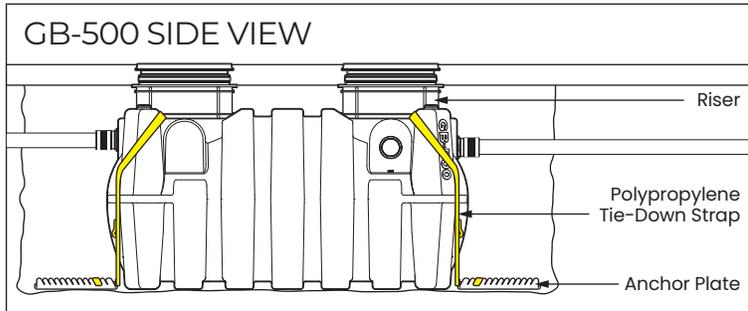
GETTING TO KNOW THE AK1



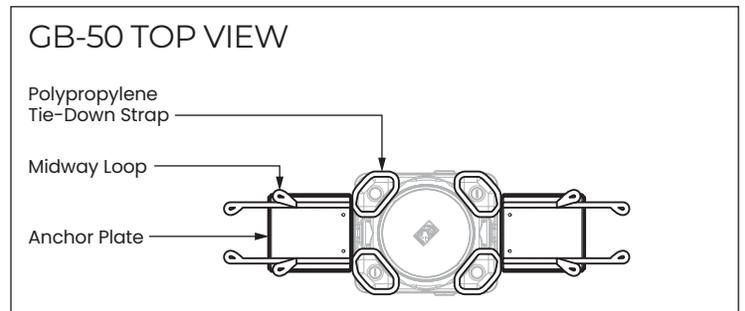
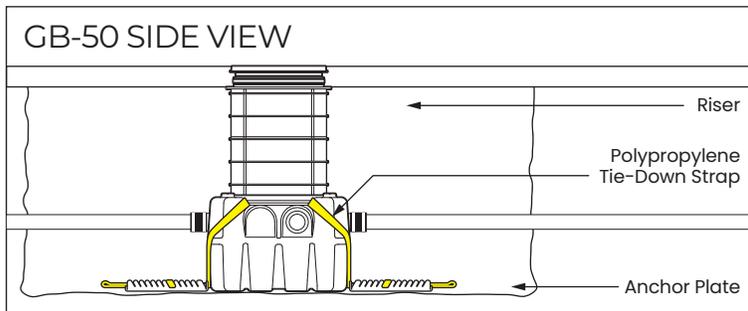
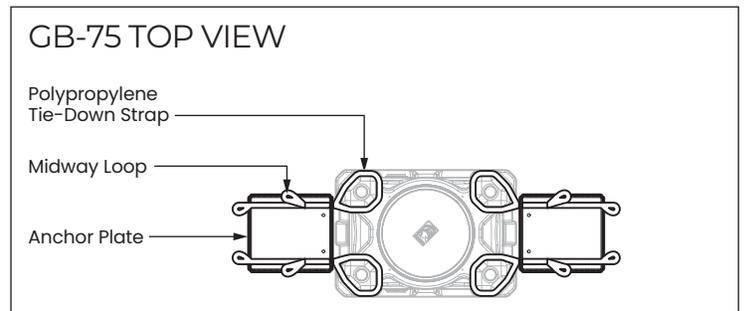
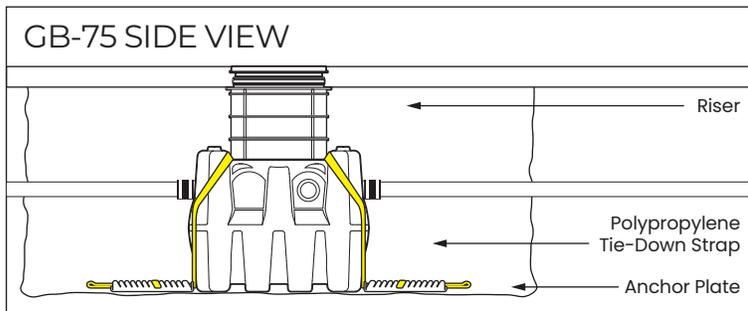
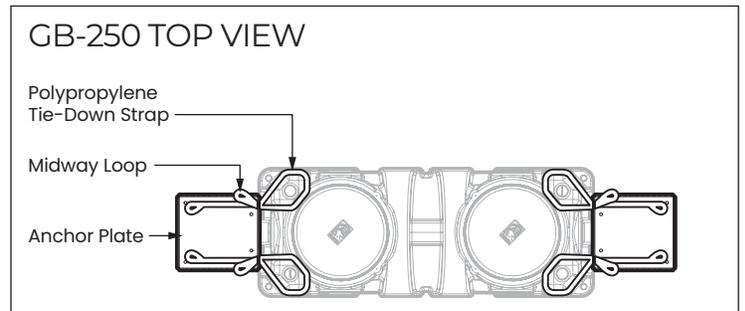
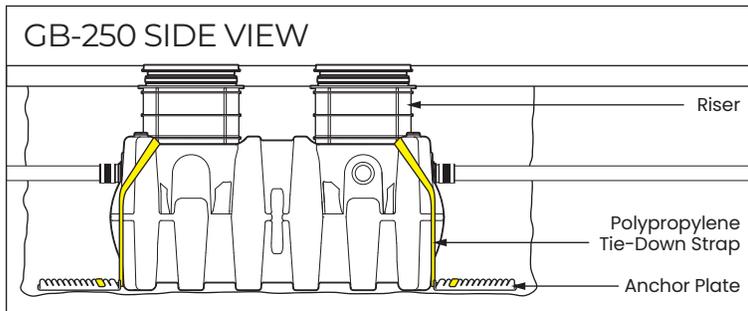
1. Aluminum Anchor Plate (x2)
2. Polypropylene Tie-Down Straps (x4)
3. Anchor Plate Side Hooks
4. Anchor Plate Tie-Down Slots
5. Holes provided for additional mounting hardware (optional)
6. Midway Loop for securing anchor plate to GB-250
7. End Loop for securing anchor plate to GB-500
8. Stainless Steel Hook and Bar Assemblies for securing Anchor Plate to Legacy Models GB-50, GB-75 and GB-250 (x2)

INSTALLATION - STANDARD MODELS

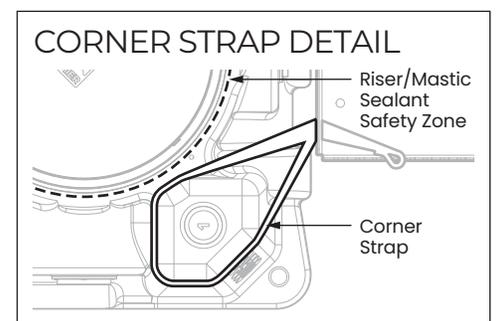
GENERAL ARRANGEMENT AND ANCHOR STRAP PLACEMENT



NOTE: GB-500 requires use of 2 AK1 anchor kits (4 total anchor plates)



1. Place anchor plates to either side of the interceptor as shown; level with unit bottom and adjacent to unit footprint.
2. Install corner straps as shown. First, place large loop around the upper interceptor corner post. Next, feed the strap through the anchor plate tie-down slot. Pull tight and attach the midway or end strap loop onto the furthest side hook possible. There are multiple end loops and multiple hooks to allow for field adjustments and multiple model compatibility. For best results, lift plate a few inches when attaching loops, then step on the plate to level it and tighten the straps.
3. Fill tank with water prior to anchoring and backfill
4. Note all excavation and backfill instructions in tank installation document.



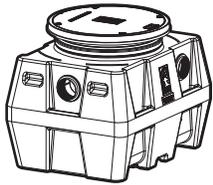
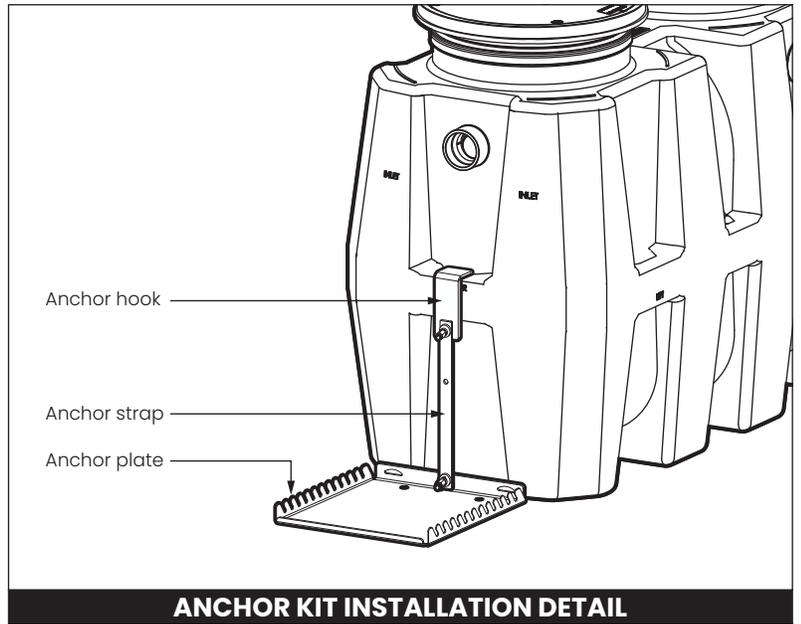
NOTE: Ensure that tie-down strap does not touch riser or mastic or tank to riser seal will be compromised

INSTALLATION - LEGACY MODELS

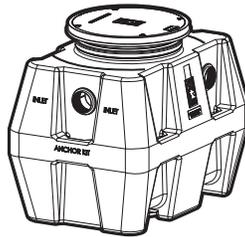
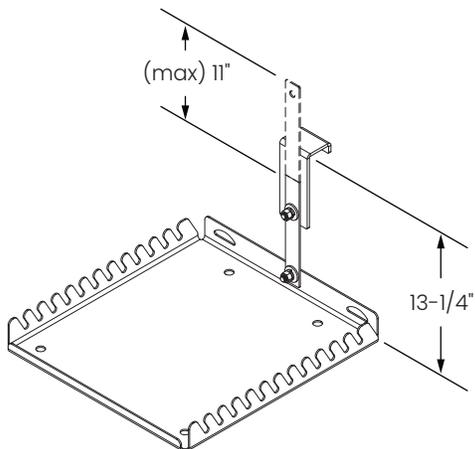
ANTI-FLOTATION STAINLESS STEEL HIGH WATER TABLE ANCHOR KIT INSTALLATION

Stainless steel anchor kit is recommended for installation in high water table conditions to prevent float out. Necessity to be determined by specifying engineer. Hold down force achieved by backfill weight acting on Anchor Plates.

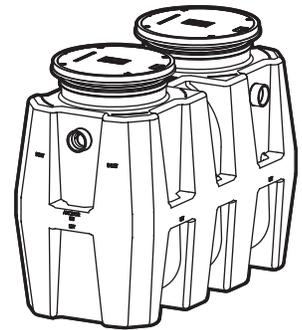
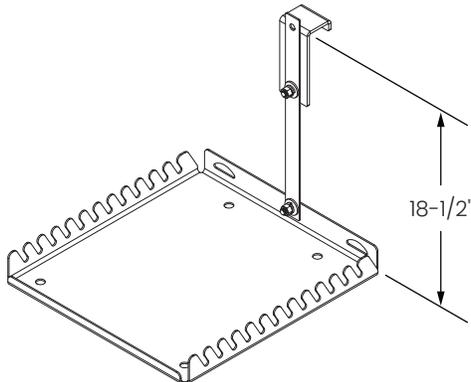
Slide Anchor Hook over tie down point on inlet end wall and bolt to Anchor Strap. Bolt Anchor Strap to Anchor Plate using provided stainless steel hardware. Repeat process to install second anchor plate on outlet end wall. If required, Anchor Plates may be bolted to concrete slab using the provided 3/4" holes.



Configuration for Legacy GB-50



Configuration for Legacy GB-75



Configuration for Legacy GB-250

