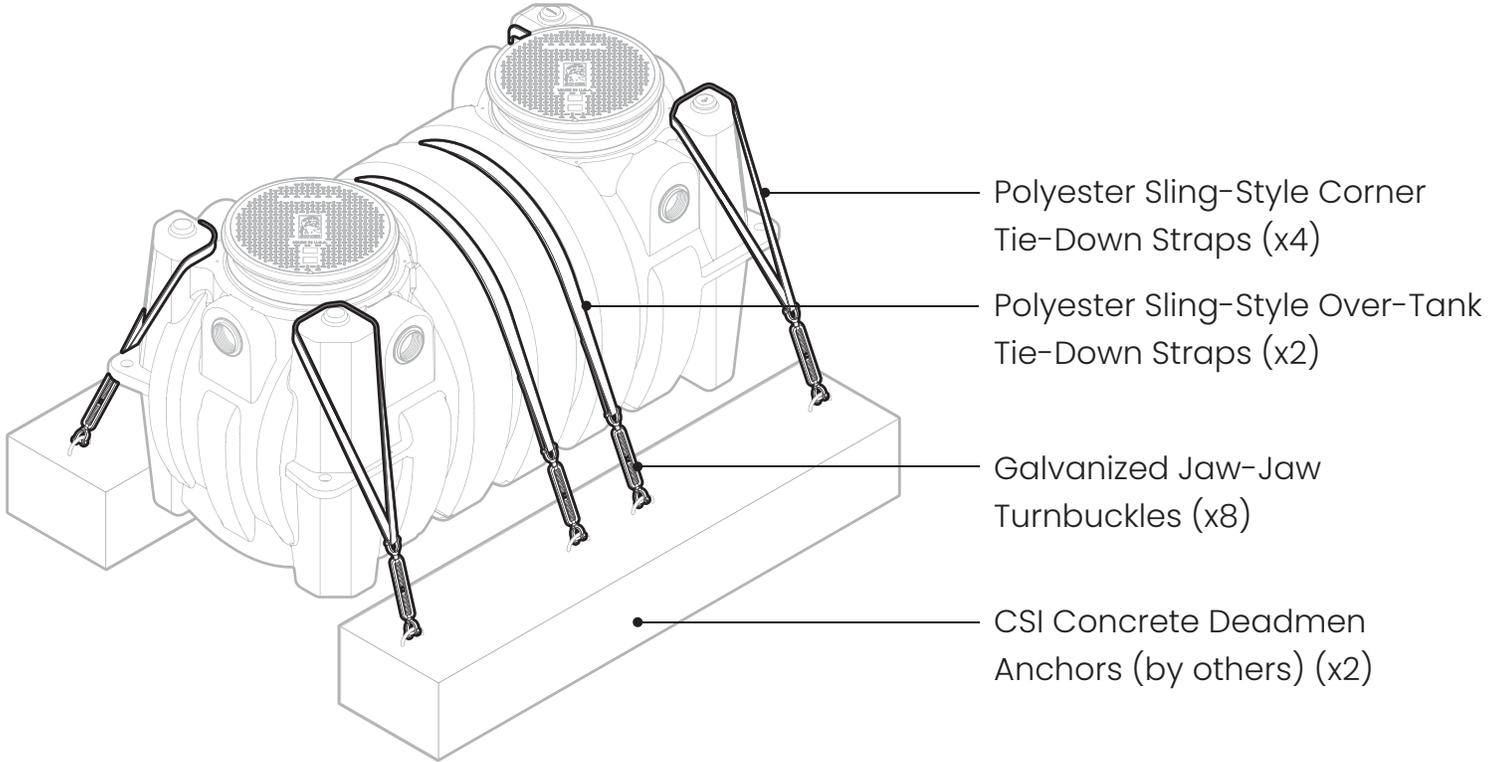


SPECIFICATION AND INSTALLATION GUIDE

AK2

Anti-flotation Anchor Kit for use with Grease Interceptor Model GB-500



- Polyester Sling-Style Corner Tie-Down Straps (x4)
- Polyester Sling-Style Over-Tank Tie-Down Straps (x2)
- Galvanized Jaw-Jaw Turnbuckles (x8)
- CSI Concrete Deadmen Anchors (by others) (x2)

Contents

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Special Precautions	2-3
Getting to Know the AK2	4
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Notes

1. Galvanized steel jaw-jaw turnbuckles.
2. Polyester tie-down straps.
3. Unit weight: 80 lbs.

Engineer Specification Guide:

Anti-flotation anchor kit for use with model GB-500 and CSI concrete deadmen anchors with a total weight of 4,000 lbs. To consist of (6) polyester sling style tie-down straps rated for 2,200 lb. working load each and (8) galvanized steel jaw-jaw turnbuckles rated for 2,200 lb. working load each. Installer to provide concrete deadmen anchors per AK2 Installation Instructions.



SCHIER
LIFETIME GUARANTEED
GREASE INTERCEPTORS

MODEL NUMBER:
AK2

DESCRIPTION: Anit-flotation Anchor Kit

PART #: 8020-005-01

DWG BY: B. Karrer

DATE: 4/26/2019

REV:

ECO:



SPECIAL PRECAUTIONS

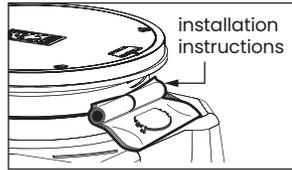
For Schier Grease Interceptor Installations – Failure to follow this guidance voids your warranty

WARNING! DO NOT AIR TEST UNIT OR RISER SYSTEM! Doing so may result in property damage, personal injury or death.

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

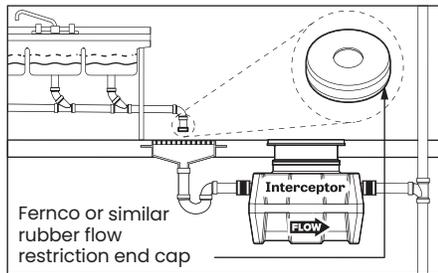
Installation Instructions

Installation instructions and additional components are included with the interceptor. Read all instructions prior to installation. This interceptor is intended to be installed by a licensed plumber in conformance with all local codes.



When Installing Interceptor Inside

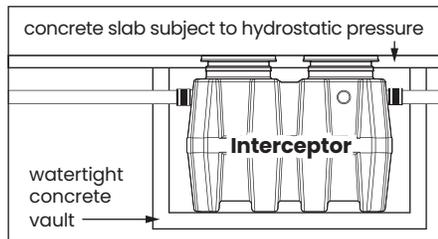
If your dishwashing sink(s) discharges into a floor drain/sink (drain), you must regulate the flow into the drain to avoid an overflow of water onto the kitchen floor. This can be done by installing a valve or flow restriction cap on the sink piping that discharges into the drain.



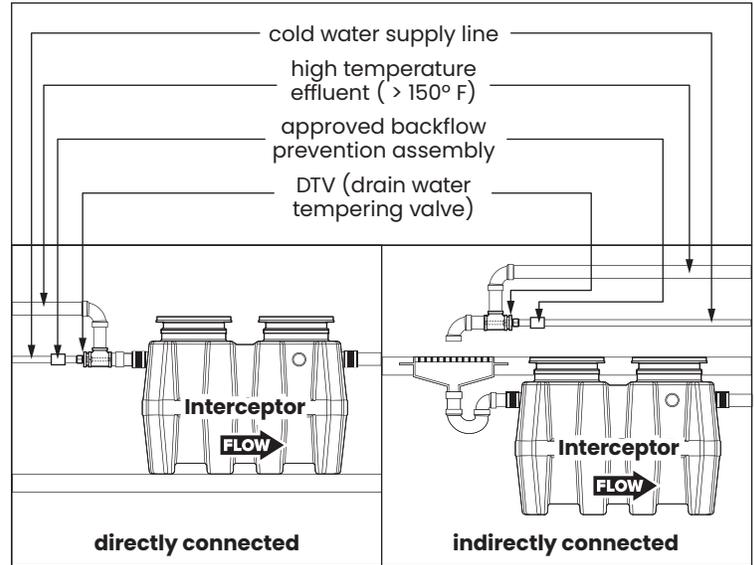
See drawing for guidance. For detailed guidance on indirect connections, go to: webtools.schierproducts.com/Technical_Data/Indirect_Connections.pdf

Hydrostatic Slabs (or 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.



High Temperature Kitchen Water



If water is entering the interceptor at excessive temperature (over 150° F), a drain water tempering valve (DTV) and approved backflow prevention assembly must be installed. Most state and local plumbing codes prohibit water above 150° F being discharged into the sanitary sewer. Water above 150° F will weaken or deform PVC Schedule 40 pipe, poly drainage fixtures like interceptors and erode the coating of cast iron (leading to eventual failure).

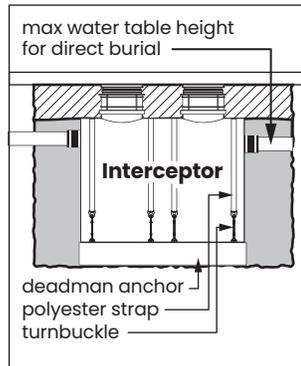


SPECIAL PRECAUTIONS

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

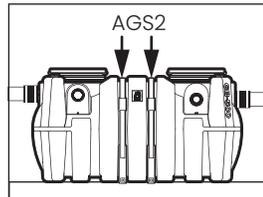
High Water Table Installations

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™ models that are direct buried in high water table scenarios must be installed with an anti-flotation anchor kit. Models GB-50, GB-75, and GB-250 use model AK1 anchor kit. Model GB-500 uses model AK2 anchor kit for use with deadmen anchors. Models GB-1000, GGI-750 and GGI-1500 use model AK3 anchor kit for use with deadmen anchors.



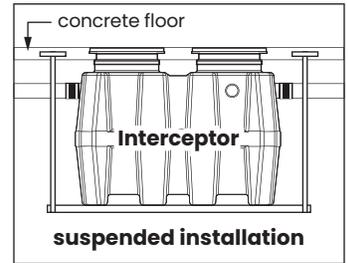
Above Grade Installation Support (for Model GB-500 Only)

The wet weight of the interceptor combined with high temperature kitchen water creates the potential for tank deformation when installed above grade. Model GB-500 installed above grade must be installed with Above Grade Support Kit model AGS2 to maintain structural integrity



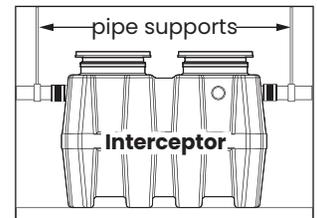
Fully Support Base of Unit

Install unit on solid, level surface in contact with the entire footprint of unit base; for suspended installations design trapeze to support the wet weight of the unit. Do not partially support unit or suspend unit using metal U-channel to create a trapeze.



Support Inlet and Outlet Piping

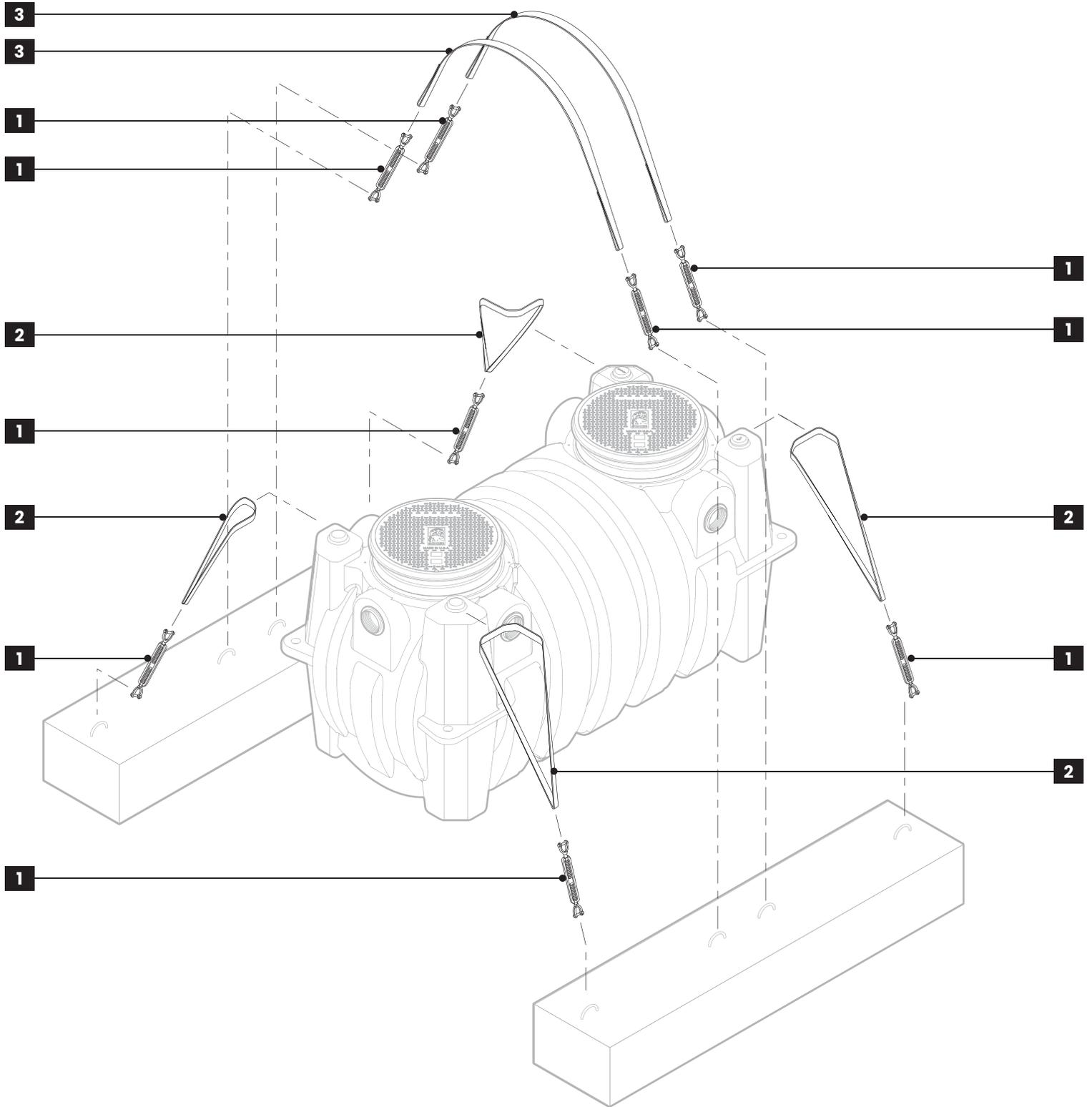
For above grade installations ensure heavy inlet and outlet piping (such as cast iron or long runs) is properly supported or suspended during the entire installation process to prevent connection failure or damage to bulkhead fittings.



DO NOT COMPACT BACKFILL



GETTING TO KNOW THE AK2



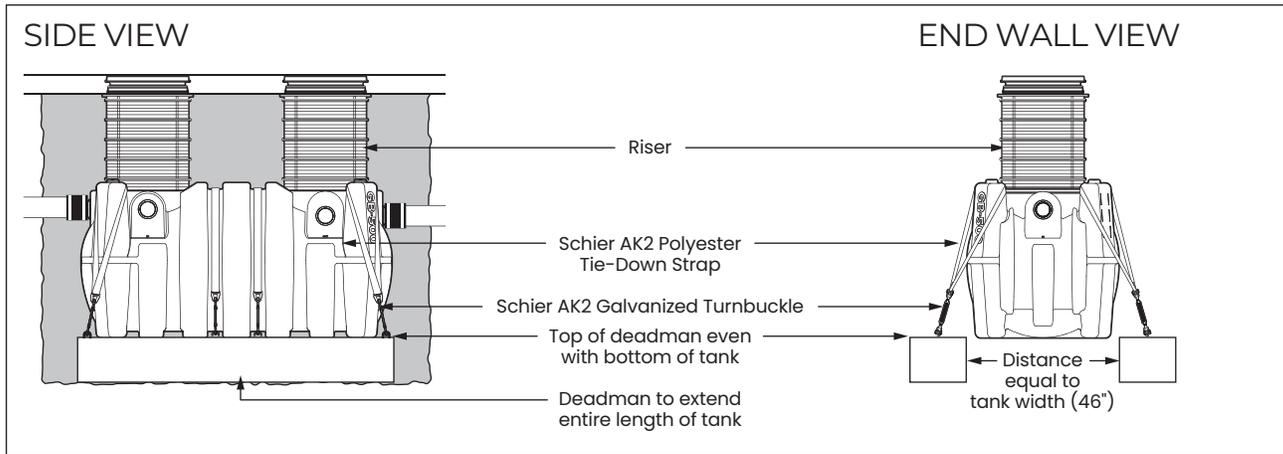
1. Jaw-Jaw Galvanized Turnbuckle (x8)

2. Polyester "Corner" Straps (x4)

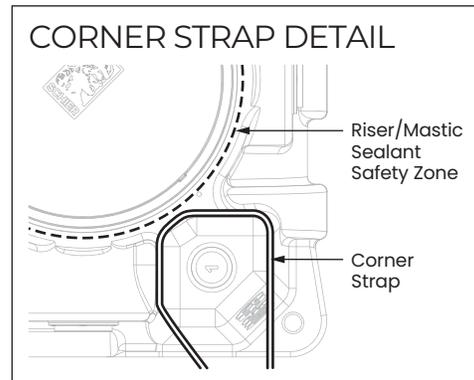
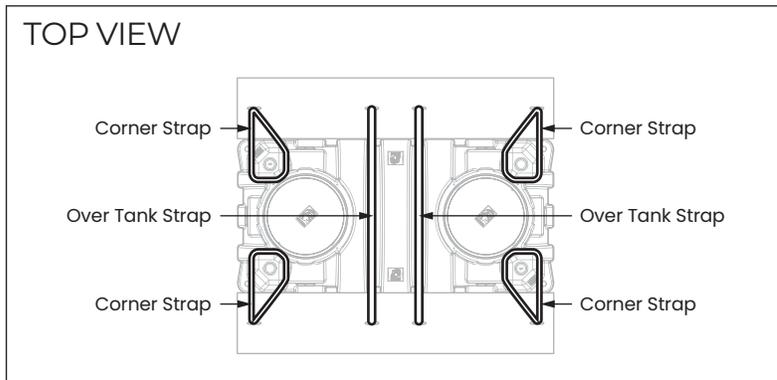
3. Polyester "Over-Tank" Straps (x2)

INSTALLATION

GENERAL ARRANGEMENT



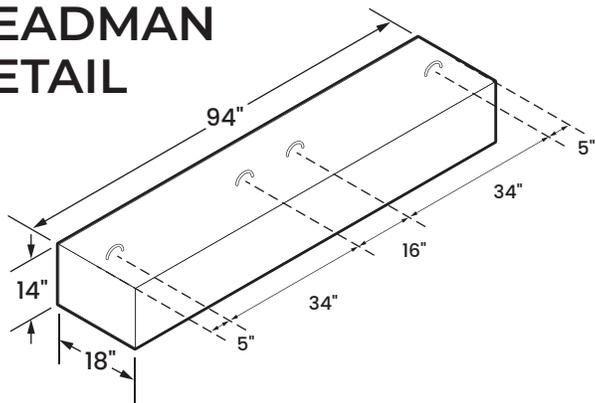
ANCHOR STRAP PLACEMENT



- Place straps as shown
- One strap per anchor point
- Place deadmen anchors parallel to tank
- Fill tank with water prior to anchoring and backfill
- Tighten turnbuckles on each strap until strap is taut.
- 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

DEADMAN DETAIL



- 94" long (or 2 - 47" deadmen)
- 4,000 PSI concrete
- Reinforced with #4 rebar
- Galvanized tie-down loops spaced as shown
- 2,000 lbs. per deadman. GB-500 requires (2) 94" deadmen anchors; or (4) 47" deadmen for a total of 2,000 lbs. on each side of tank.