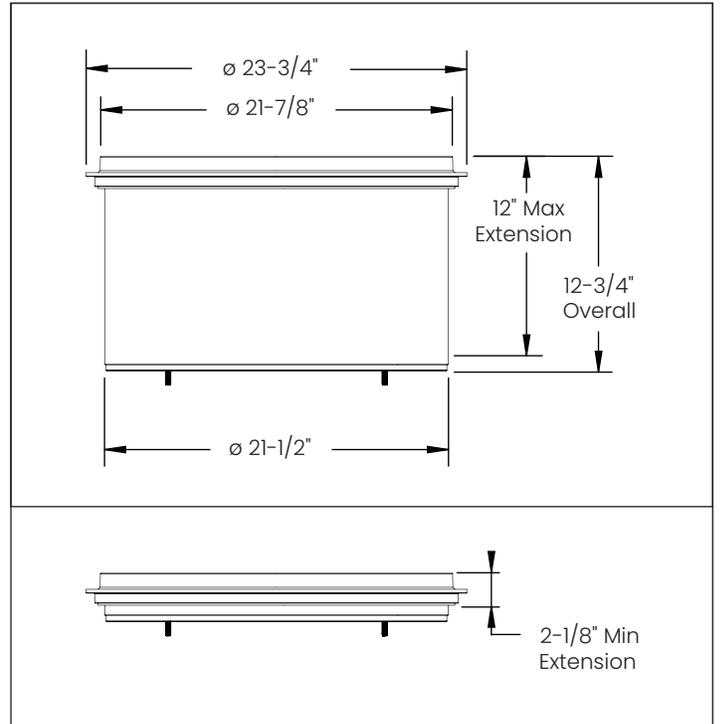
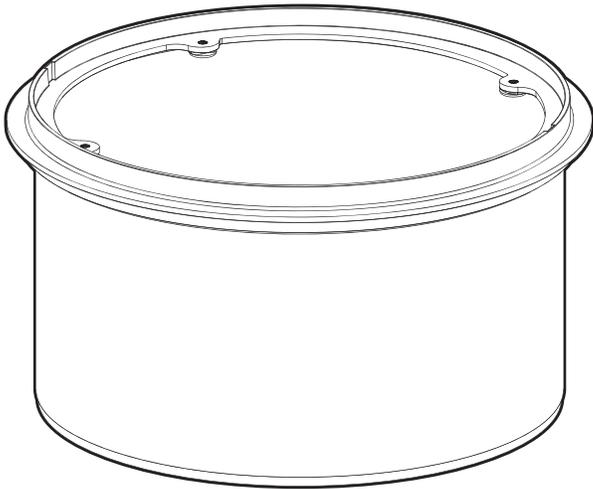


# SPECIFICATION AND INSTALLATION GUIDE

## FCR1 Field Cut Riser System

For Use with Grease Interceptors Models GB1, GB2 and GB3



### Contents

Specifications .....	1
Special Precautions .....	2
Getting to Know the FCR1 .....	3
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Riser Height Needed	Risers Required
2-1/8" - 12"	FCR1
>12" - 25"	FCR1 (x2)

### Notes

1. Rotationally molded polyethylene body
2. Injection molded polypropylene top cover ring
3. EPDM sponge tank-to-riser gasket
4. Silicone fin riser body to riser top gasket
5. Unit weight: 10 lbs.
6. Risers not designed to hold water

### Engineer Specification Guide:

Field-cut adjustable riser system to consist of rotationally molded polyethylene body, injection molded polypropylene top cover ring, EPDM sponge gasket at bottom, silicone fin gasket at top flange. Risers shall allow field adjustability of cover to grade.

### Installation Note

Minimum install height: 2-1/8". Maximum install height: 12". Riser system may be stacked no more than two units high to a maximum of 25" extension. Access to internal components will not be compromised.



**SCHIER**  
LIFETIME GUARANTEED  
GREASE INTERCEPTORS

MODEL NUMBER:  
**FCR1**

DESCRIPTION: 12" Field Cut Riser System

PART #: 8010-005-01

DWG BY: B. Karrer

DATE: 4/22/2019

REV:

ECO:



# SPECIAL PRECAUTIONS

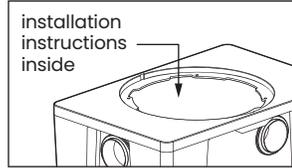
For Schier Grease Interceptor Installations – Failure to follow this guidance voids your warranty

**⚠ 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.

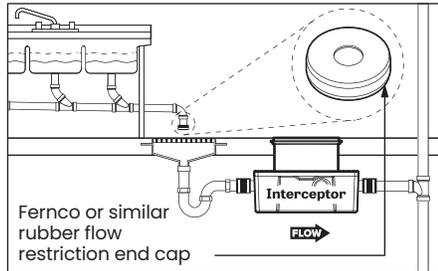
## Installation Instructions

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

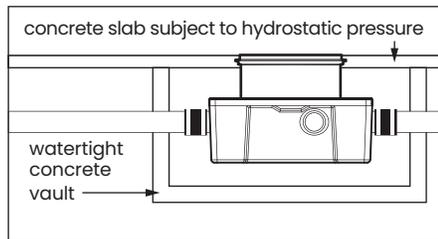
If your dishwashing sink(s) discharges into a floor drain/sink (drain), you must regulate the flow into the drain to avoid an overflow of water onto the kitchen floor. This can be done by installing a valve or flow restriction cap on the sink piping that discharges into the drain.



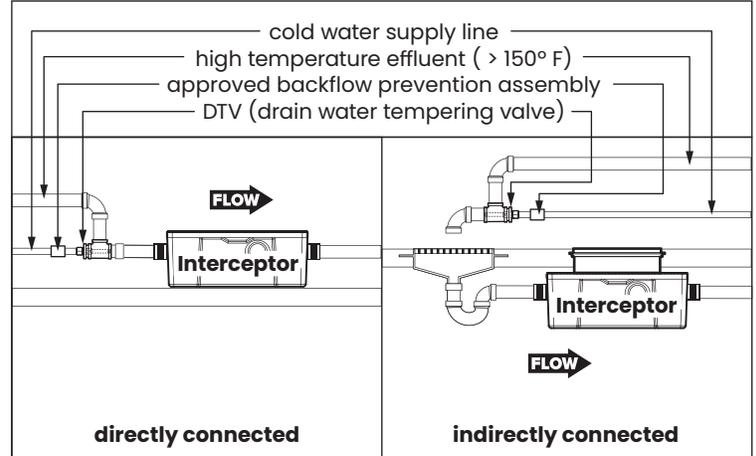
See drawing for guidance. For detailed guidance on indirect connections, go to: [webtools.schierproducts.com/Technical\\_Data/Indirect\\_Connections.pdf](http://webtools.schierproducts.com/Technical_Data/Indirect_Connections.pdf)

## 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.



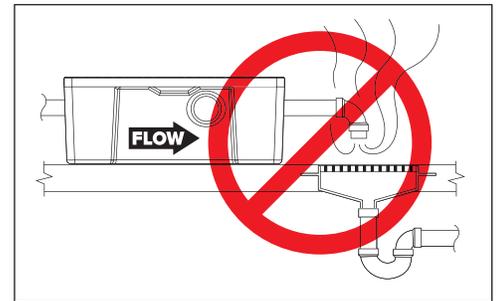
## High Temperature Kitchen Water



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).

## ODOR ALERT!

Do not install air gap on outlet side of interceptor.



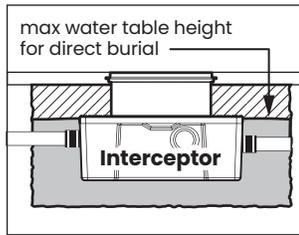


# SPECIAL PRECAUTIONS

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

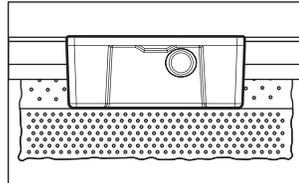
## High Water Table Installations

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 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.



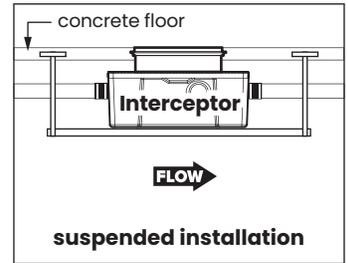
## Flush-to-Grade Burials

Flush-to-Grade buried installations (without a riser) are not recommended for heavy foot traffic areas without the use of an internal gusset support kit **SGK2** (for GB2) or **SGK3** (for GB3).



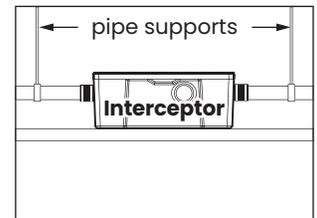
## Fully Support Base of Unit

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.

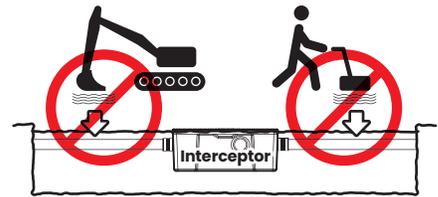


## Support Inlet and Outlet Piping

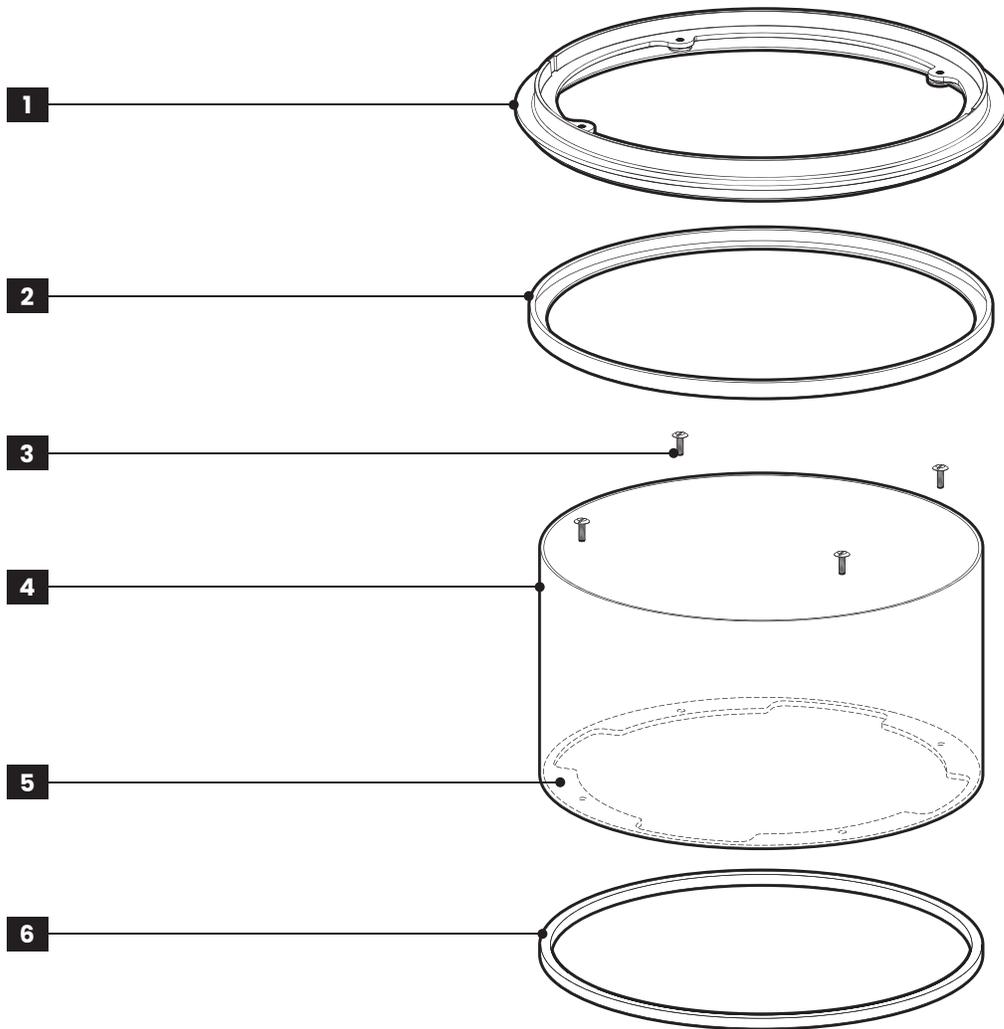
For above grade installations ensure heavy inlet and outlet piping (such as cast iron or long runs) is properly supported or suspended during the entire installation process to prevent connection failure or damage to bulkhead fittings.



**DO NOT COMPACT BACKFILL**



# GETTING TO KNOW THE FCRI



1. Cover Ring
2. Cover Ring Gasket
3. Riser Mounting Bolts

4. Riser Body
5. Riser Mounting Flange
6. Riser Body Gasket

# INSTALLATION

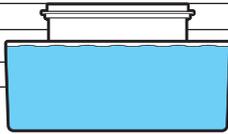
## Special Precautions

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

**2**

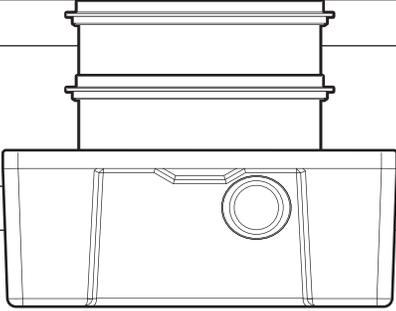
- Read all instructions before installation
- Install in conformance with all local codes

**3** **Max Water Level**  
Risers are not designed to retain water



**4**  **CAUTION**  
Do not add any form of lubricant to riser tube during installation.

**5** **2 Risers (25" Max)**



## Tools You Will Need



Tape Measure



Flat Head Screwdriver



Reciprocating Saw, Circular Saw or Jigsaw

### INCLUDED WITH FCRI

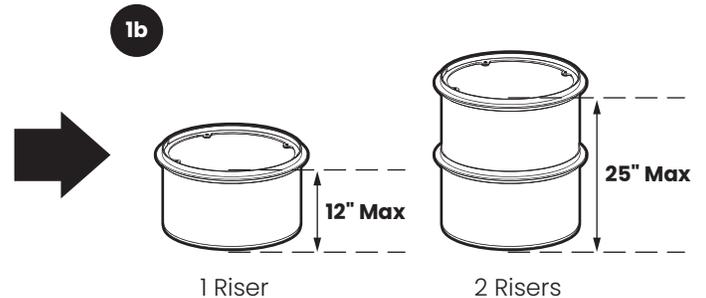
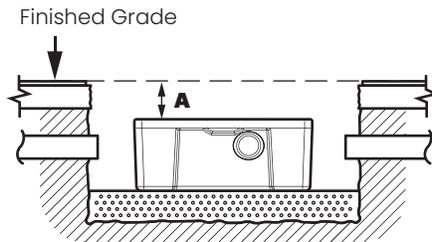


Grease Pencil

## 1 Determine number of risers needed

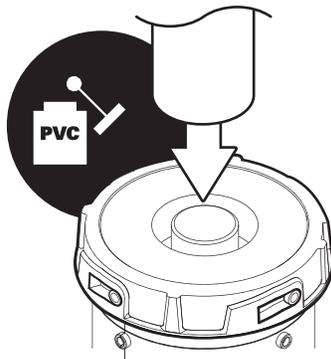
**1a**

For the interceptor to be safely and properly maintained, dimension A cannot exceed 25" (or two FCRI risers stacked).



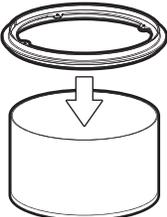
## 2 OPTIONAL: Install Flow Control Extension Handle

For easy flow control removal, 1-1/2" PVC SCH. 40 pipe may be cut to length and attached to top of flow control cartridge using PVC primer/cement.



# INSTALLATION

## 3 Mark and cut top-most riser

**3a** 

Push cover ring onto riser body until it stops (about 1").

**3b** 

Ensure cover ring gasket is positioned as shown.

**3c** 

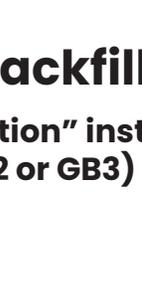
Place riser on interceptor, aligning bolt holes.

**3d** 

Measure "X" with tape measure.

**3e** 

Remove cover ring from riser assembly and mark "X" with supplied grease pencil.

**3f** 

Cut "X" from top of riser and discard.

## 4 Fasten riser to interceptor

**4a** 

Remove any burrs or debris at the cut edge. Push cover ring onto riser body until it stops (about 1").

**4b** 

Ensure cover ring gasket is positioned as shown.

**4c** 

Place riser on interceptor, aligning bolt holes and fasten securely with mounting bolts.

## 5 Prepare for backfill

Resume "Buried Installation" instructions for applicable unit (GB1, GB2 or GB3)