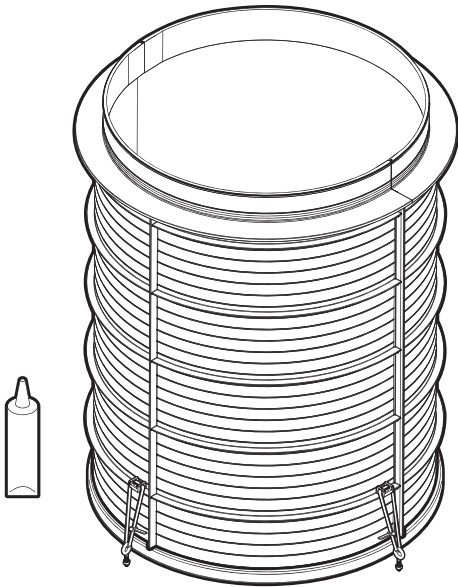


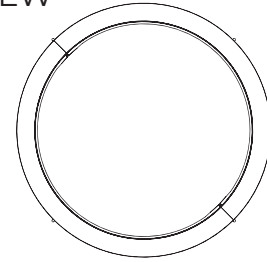
SPECIFICATION AND INSTALLATION GUIDE

FCR2 Field Cut Riser System

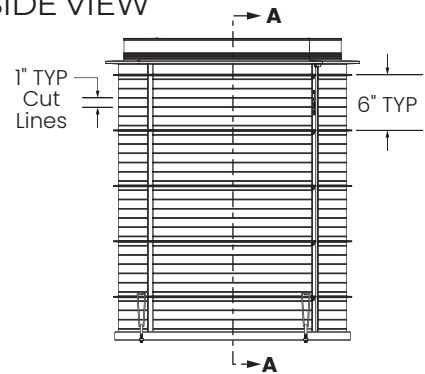
For use with grease interceptors models GB-250, GB-500, GB-1000, GGI-500, GGI-750, GGI-1000, GGI-1500 and GGI-2000; sampling port model SV24; and solids interceptors models SI-250 and SI-500



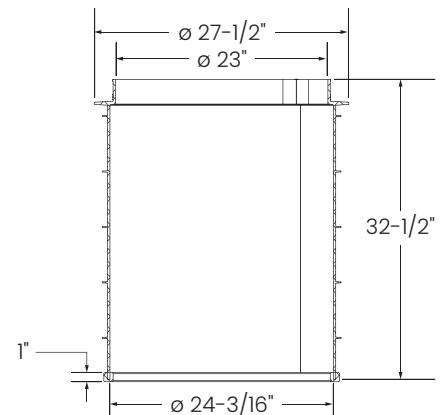
TOP VIEW



SIDE VIEW



SECTION A-A



Contents

Specifications	1
Special Precautions	2
Getting to Know the FCR2	3
Installation	4-8

Notes

1. Unit weight: 32 lbs.
2. Riser not designed to hold water

Engineer Specification Guide:

Field-cut adjustable riser system to consist of injection molded polypropylene body, 100% Silicone Sealant for assembly of riser components, butyl mastic sealant for tank-riser or riser-riser joints, stainless steel fastening hardware and heavy duty nylon cable ties and mounts. Riser shall allow field adjustability of cover to grade.

Installation Note

Minimum install height: 4". Maximum install height: 34". Riser system may be stacked no more than three units high to a maximum of 94" extension. Access to internal components will not be compromised.

Riser Height Needed	Risers Required (per accessway)
0" - 4"	None (use adapter)
>4" - 34"	FCR2
>34" - 64"	FCR2 (x2)
>64" - 94"	FCR2 (x3)



SCHIER

MODEL NUMBER:
FCR2

DESCRIPTION: 34" Field Cut Riser System

PART #: 8010-006-01

DWG BY: B. Karrer

DATE: 3/31/2020

REV:

ECO:



SPECIAL PRECAUTIONS

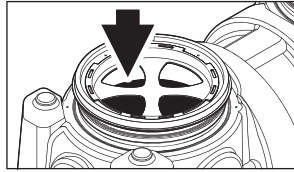
For Schier Grease Interceptor Installations – Failure to follow this guidance voids your warranty

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

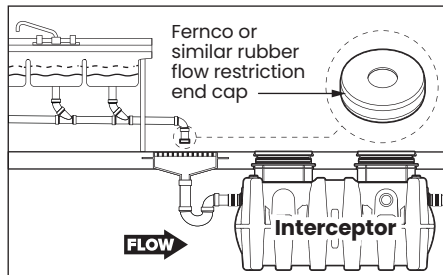
Installation instructions and additional components are included with the interceptor. Read all instructions prior to installation. This interceptor is intended to be installed by a licensed plumber in conformance with all local codes.



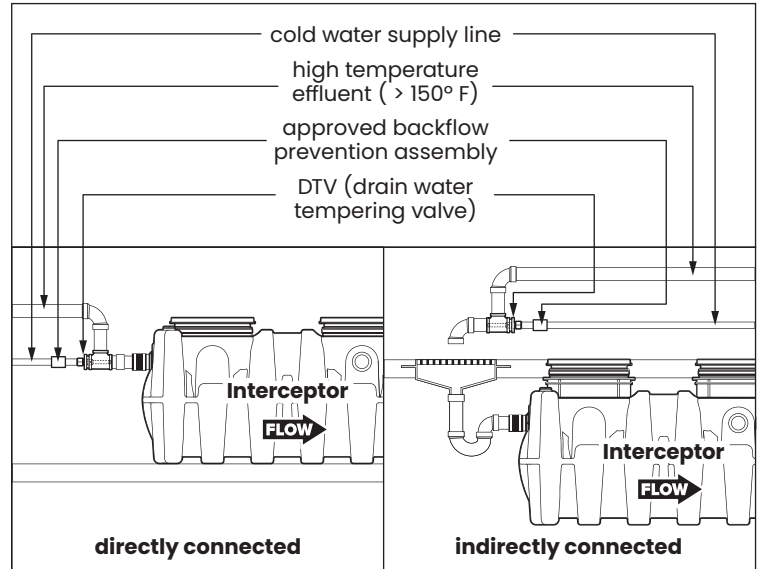
When Installing Interceptor Inside

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



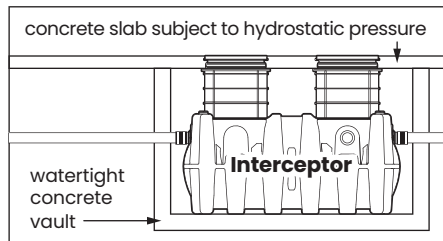
High Temperature Kitchen Water



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).

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.



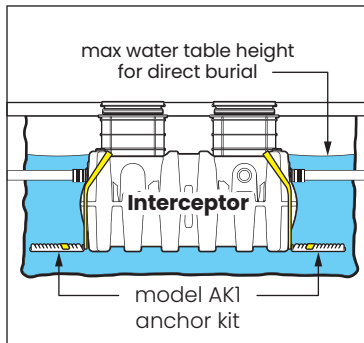


SPECIAL PRECAUTIONS

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

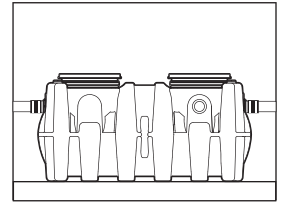
High Water Table Installations

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.



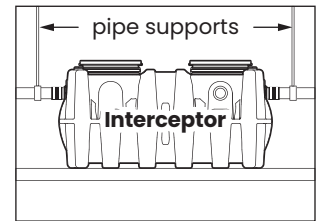
Fully Support Base of Unit

Install unit on solid, level surface in contact with the entire footprint of unit base

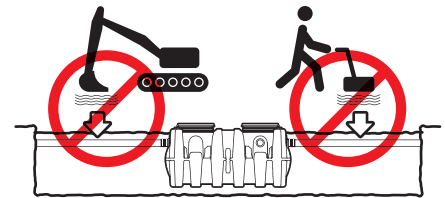


Support Inlet and Outlet Piping

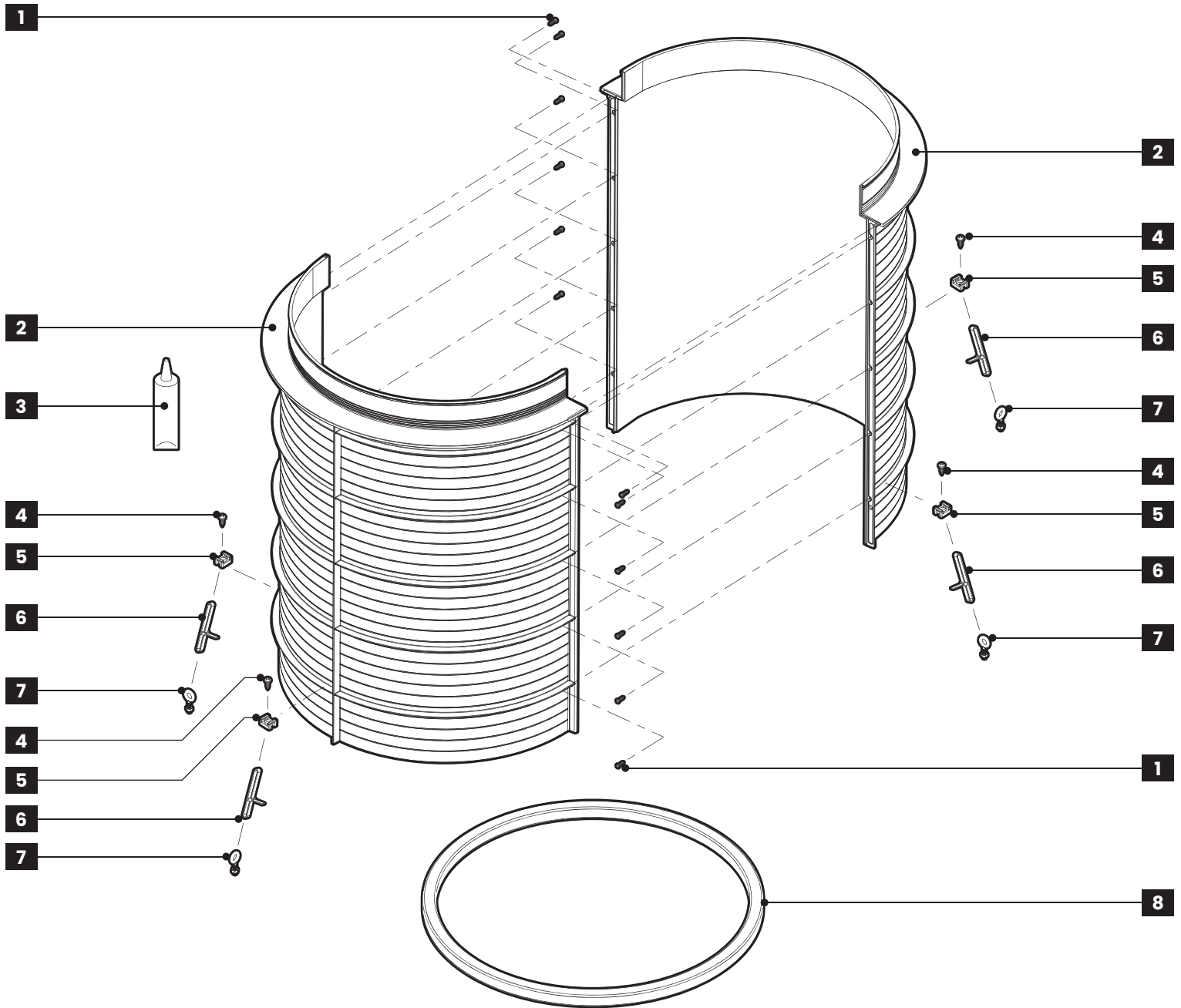
For above grade installations ensure heavy inlet and outlet piping (such as cast iron or long runs) is properly supported or suspended during the entire installation process to prevent connection failure or damage to bulkhead fittings.



**DO NOT
COMPACT
BACKFILL**



GETTING TO KNOW THE FCR2




1. #8 x 5/8" Riser Body Assembly Screw (x12)
2. Riser Body Half (x2)
3. 100% Silicone Sealant
4. #10 x 3/4" Phillips Head Stainless Steel Screws (x4)

5. Cable Tie Mounts(x4)
6. Heavy Duty 18" - 120 lb. Cable Tie (x4)
7. Stainless Steel Eyebolt and Nut (x4)
8. 1" square x 80" block butyl mastic sealant

INSTALLATION

Special Precautions

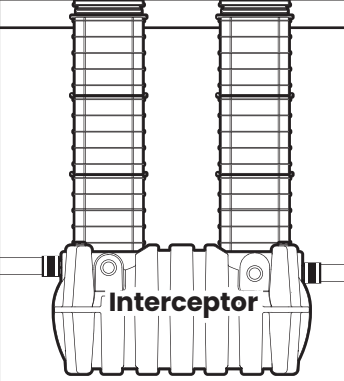
1  **WARNING!**
DO NOT AIR TEST UNIT OR RISER SYSTEM!
 Doing so may result in property damage, personal injury or death.

2

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

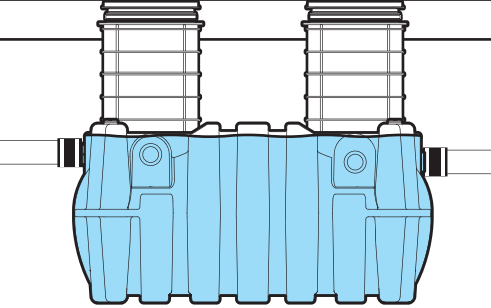
3  **CAUTION**
 Do not add any form of lubricant to riser tube during installation.

4 **3 Risers (94") Max**



Interceptor

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




6 **Make Sure Parts Are Clean When Applying Silicone or Mastic Sealant**


Tools You Will Need




Tape Measure




#2 Phillips Head Screwdriver



Reciprocating Saw,
Circular Saw or Jigsaw



Drill with
1/2" Chuck




Level




1/4" Drill Bit

INCLUDED WITH GB-500



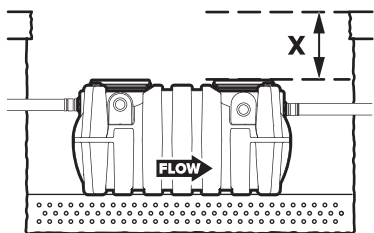
7/16" Nut
Driver Bit



Grease
Pencil

1 Determine riser height needed and trim risers.

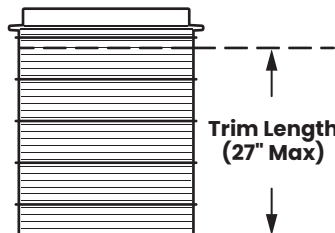
1a Measure dimension X to determine riser height needed.



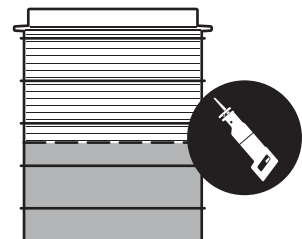
Riser Height Needed (X)	Risers Required (per accessway)
0" - 4"	None (use adapter)
>4" - 34"	FCR2 (x1)
>34" - 64"	FCR2 (x2)
>64" - 94"	FCR2 (x3)

1b Determine Trim Length (round up all fractions to next inch). **Only one FCR2 riser per cover will need to be cut.**

Riser Height Needed	Trim Length =
0" - 4"	-
>4" - 34"	31" - Riser Height (X)
>34" - 64"	62" - Riser Height (X)
>64" - 94"	93" - Riser Height (X)



1c Measuring from bottom of riser, mark trim length and cut Riser Halves.

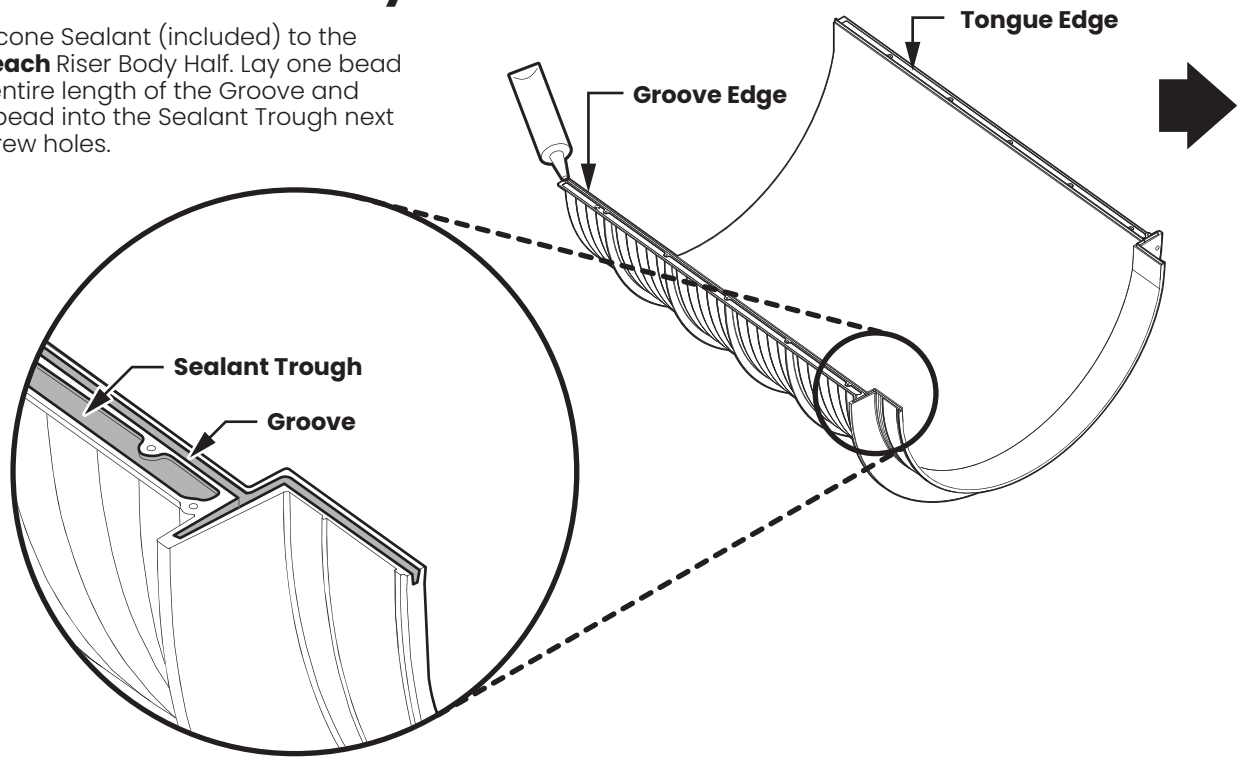


NOTE: If trim length is 0 or less, no cutting is required. Trimming risers using these guidelines will result in risers that are 0-2" shorter than the exact riser height needed. Cover Adapter adjustability will allow for final adjustments to grade.

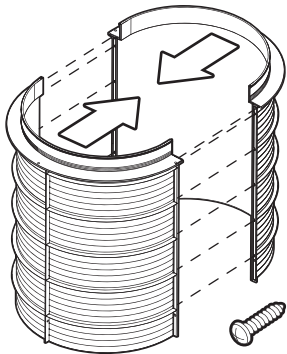
INSTALLATION

2 Assemble riser body halves.

- 2a** Apply Silicone Sealant (included) to the edge of **each** Riser Body Half. Lay one bead into the entire length of the Groove and another bead into the Sealant Trough next to the screw holes.



2b



Immediately assemble riser halves after applying sealant and fasten using supplied screws.

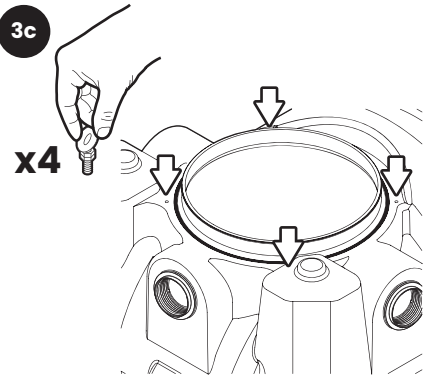
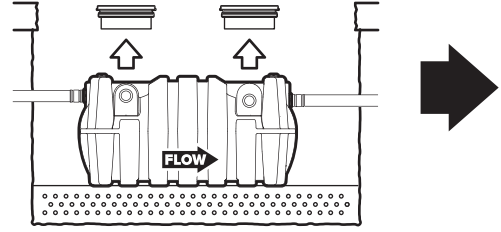
INSTALLATION

3 Install risers onto grease interceptor.

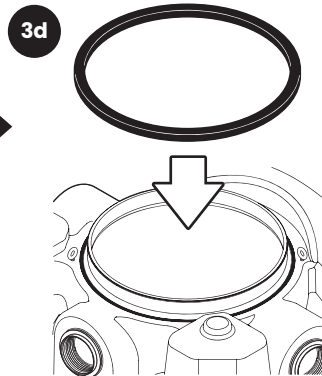
3a
Loosen the Cover Adapter Lower Band Clamps using 7/16" Nut Driver Bit.



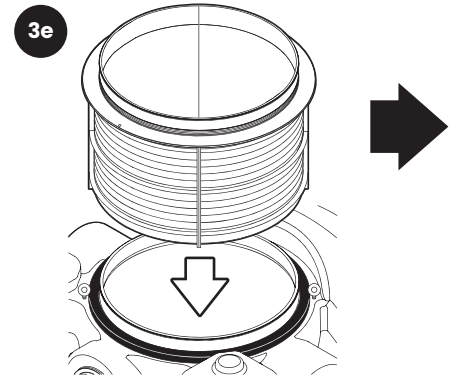
3b
Remove Cover Adapters



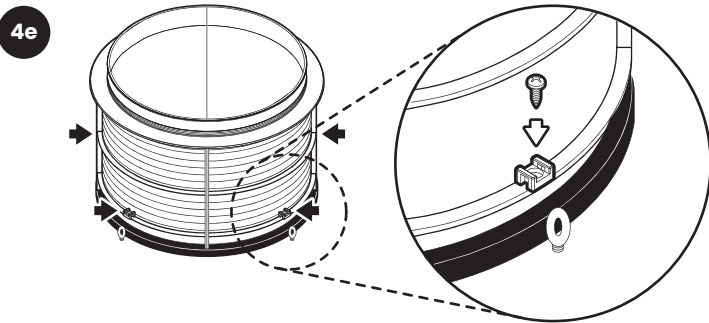
Remove insert plugs, then hand tighten Eyebolts into threaded holes surrounding the accessway.



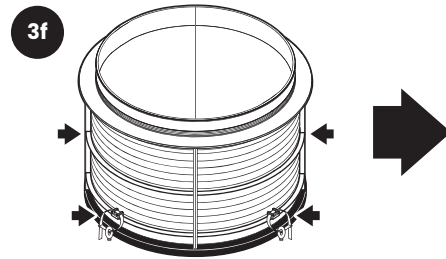
Lay Butyl Mastic sealant into the channel surrounding the accessway.



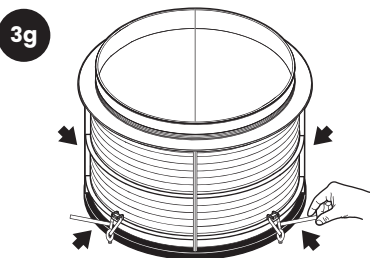
Place Riser Into position aligning vertical ribs with Eyebolts.



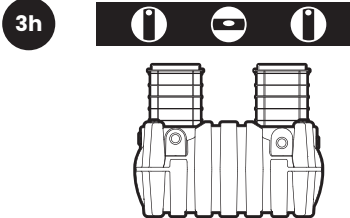
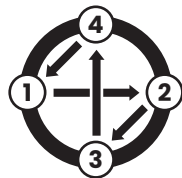
Install 4 Cable Tie Mounts onto lowest horizontal structural rib using #10 x 3/4" screws. Make sure Mounts are located directly above Eyebolts and are positioned for horizontal Cable Tie placement.



Loop Cable Ties through Mounting Holes and Eyebolts, do not tighten.



Tightening Pattern

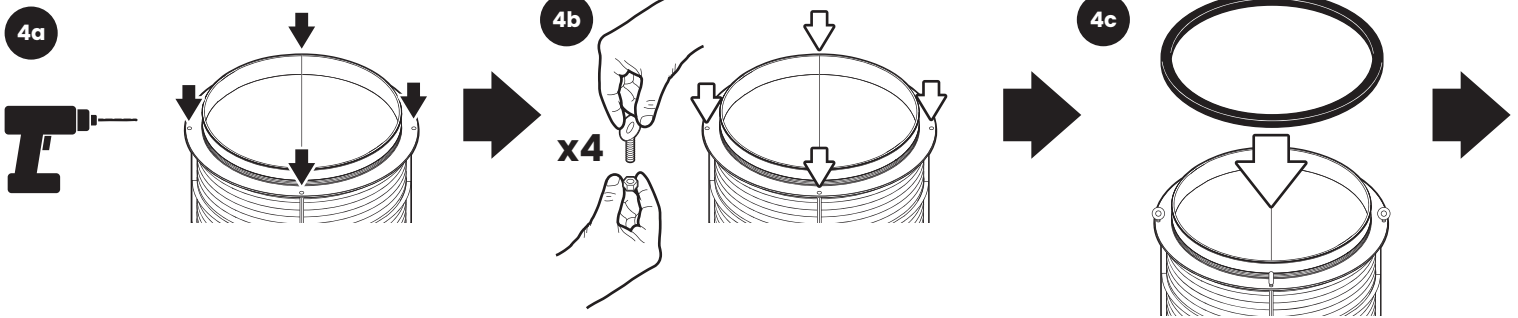


Make final adjustments to cable ties to ensure riser is level.

Tighten Cable Ties, a little bit at a time in a star pattern going around the riser to evenly force the riser into the Mastic Sealant. Riser should go 1/2" - 3/4" into the sealant.

INSTALLATION

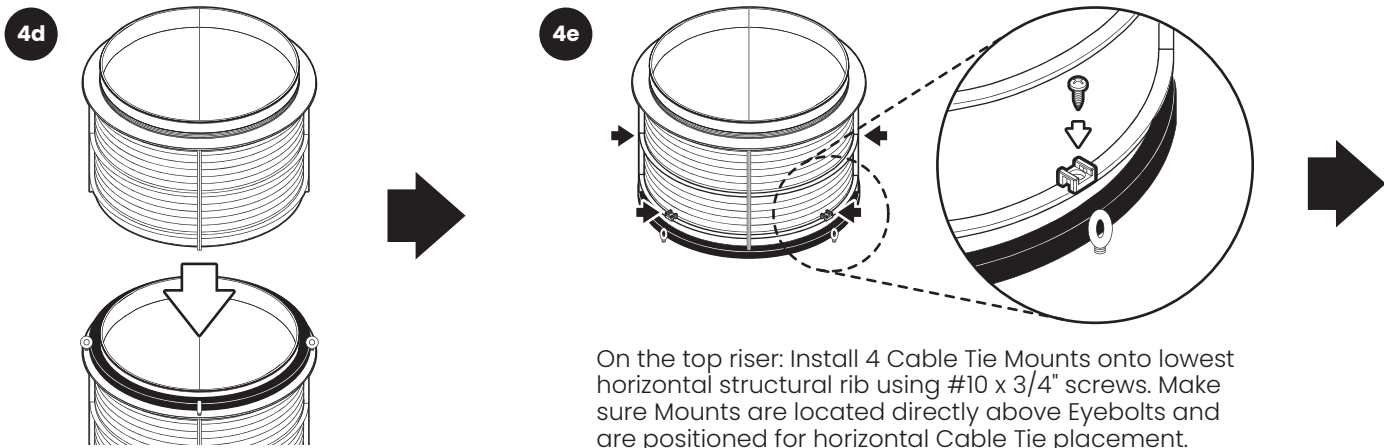
4 Install risers onto risers (34"+).



On bottom riser: drill (4) 1/4" Mounting Holes through flange.

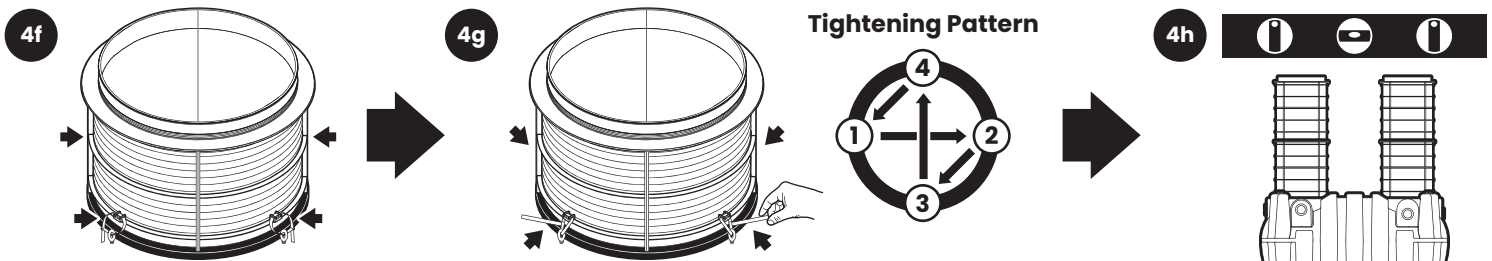
On bottom riser: install Eyebolts into holes in riser flange using supplied stainless steel nuts. Hand tighten only.

On bottom riser: lay Butyl Mastic sealant onto the flange surrounding the accessway.



Place Top Riser onto Bottom Riser.

On the top riser: Install 4 Cable Tie Mounts onto lowest horizontal structural rib using #10 x 3/4" screws. Make sure Mounts are located directly above Eyebolts and are positioned for horizontal Cable Tie placement.



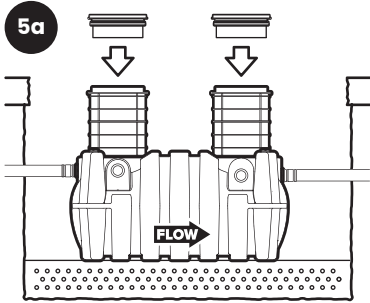
Loop Cable Ties through Cable Mounts and Eyebolts, do not tighten.

Tighten Cable Ties, a little bit at a time in a star pattern going around the riser to evenly force the riser into the Mastic Sealant. Riser should go 1/2" - 3/4" into the sealant.

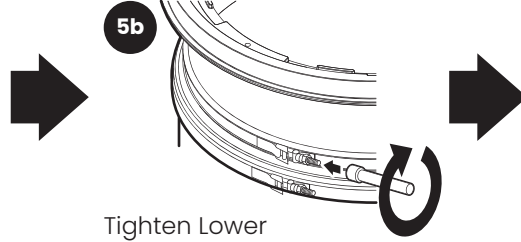
Make final adjustments to cable ties to ensure riser system is level.

INSTALLATION

5 Install cover adapters onto risers.



Place Cover Adapter onto tops of riser systems.



Tighten Lower Band Clamp to 5 -8 ft. lbs. of torque using 7/16" Nut Driver Bit.

Resume Installation instructions for interceptor: "Bring Covers Flush-to-Grade"