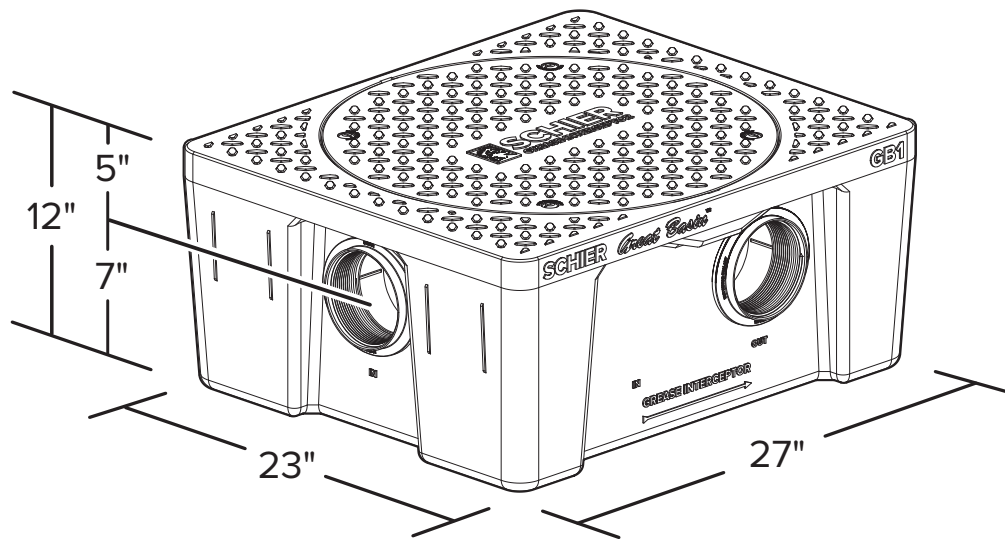


INSTALLATION GUIDE



Failure to follow this guidance
will void your warranty

GB1 25 GPM Great Basin® indoor grease interceptor



Examine product for damage and read all instructions prior to installation.

Please report significant damage to customer service at (913)-951-3300.

Warranty is void if a damaged product is installed, or if the product is not installed in conformance with all local codes.

Schier recommends installation only by a licensed plumber.



SCHIER®

SPECIAL PRECAUTIONS



Failure to follow this guidance will void your warranty

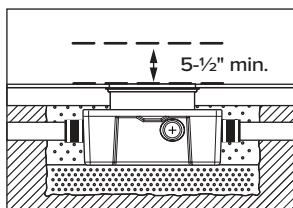
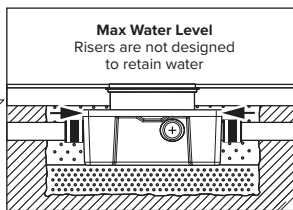
PRESSURE TESTING

Do not pressure test the interceptor or riser system. Doing so may result in property damage, personal injury or death. The interceptor is intended for open system (vented) gravity drainage use only and should not be used in closed system pressure applications.

Before installation, the interceptor should be tested up to top of tank for water tightness. See page 5 for details. The risers are not designed to retain water and should not be water tested.

Required Clearance Above Covers

Allow at least 5 1/2" of clearance above the interceptor for routine maintenance.



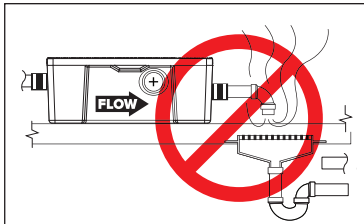
High Temperature Kitchen Water

Wastewater entering the interceptor should not exceed 150° F. If wastewater temperatures will exceed 150° F, a drain water tempering valve (DTV) should be installed to cool the water.

ODOR ALERT!

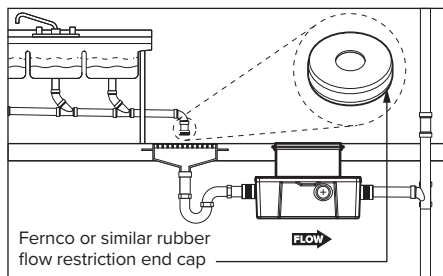
The interceptor is not a sewer gas trap. All upstream fixtures must be trapped.

Do not install an air gap on the outlet side of the interceptor.



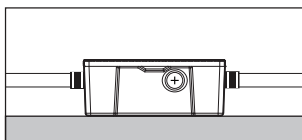
Indirect Connections

If your dishwashing sink(s) discharges into a floor drain/sink (drain), you may 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.



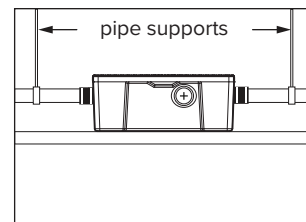
FULLY SUPPORT BASE OF UNIT

The interceptor should be installed on a solid, level surface in contact with the entire bottom of tank footprint.



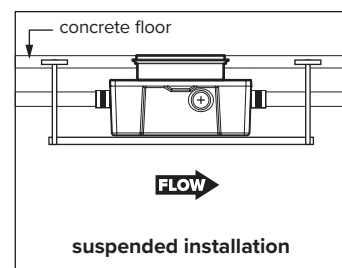
Support Piping

Inlet and outlet piping must be properly supported.



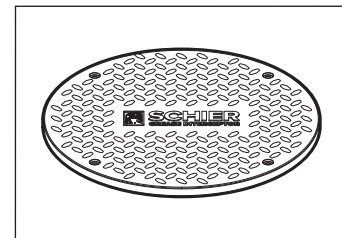
Suspended installations

Design the trapeze by structural engineer to support the wet weight of the interceptor (123 lbs.). Fully support the base of the interceptor by installing on a solid, level surface in contact with the entire bottom footprint. Do not partially support with metal u-channel.



Indoor Cover - Polypropylene

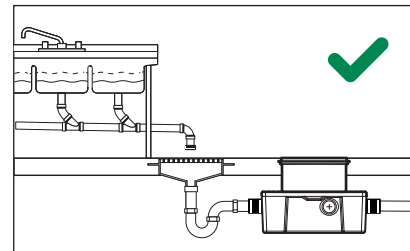
C21M bolted polypropylene covers should be used for above grade and pedestrian rated applications. Not recommended for outdoor use.



Polypropylene cover, bolted 21", pedestrian rated to 450 lbs

Indoor Installation Only

The GB1 is recommended for indoor installation only and should not be installed outdoors.



SPECIAL PRECAUTIONS



Failure to follow this guidance will void your warranty

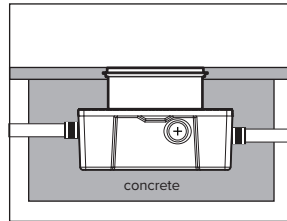
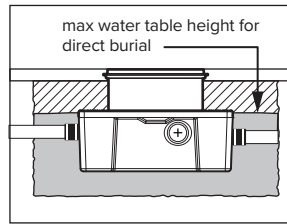
HIGH GROUNDWATER LEVELS

High Groundwater Level Warning:

The GB1 should not be exposed to groundwater. If there is risk of exposure to groundwater, please consider a larger interceptor model (minimum GB-50).

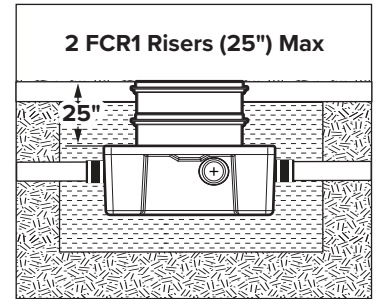
Additional Protection Required: If the GB1 is at risk of being exposed to groundwater, it must either be encased in concrete or installed inside a watertight concrete vault. Please contact Schier for concrete encasement guidance. The watertight concrete vault is designed by others.

Note: High risk areas include coastal regions, floodplains and other areas susceptible to excessive stormwater accumulation. When available, consult the geotechnical report to determine the elevation of the seasonal high groundwater level.



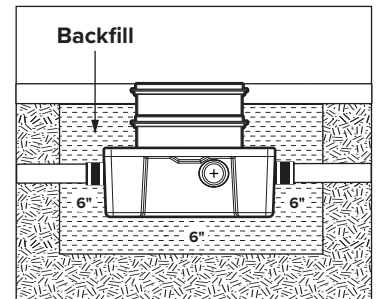
Maximum Burial Depth

The interceptor should not be buried deeper than 25" from the top of the unit to grade.



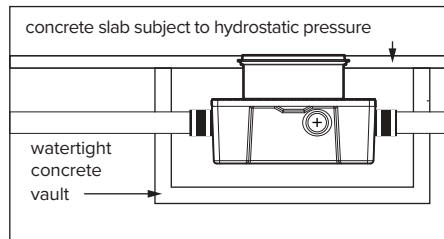
Approved Backfill

Backfill must be clean, crushed stone approximately 1" in size (AASHTO M43 Size #57 or similar) free of debris and fines. **Native soil and sand are not approved backfill materials.**



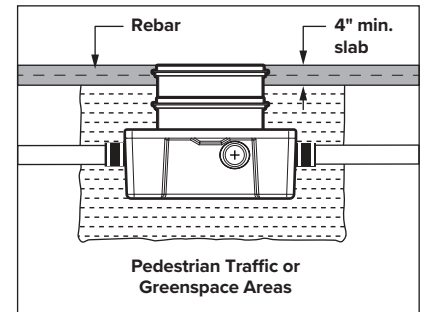
Hydrostatic/Pressure Slabs

Hydrostatic Slabs are designed to withstand upward groundwater pressure and water infiltration when the slab is located at an elevation lower than the water table or high groundwater level. Schier interceptors and risers should not be directly buried underneath a hydrostatic slab. If the interceptor and risers will be located underneath a hydrostatic slab, they must be installed inside a watertight concrete vault.



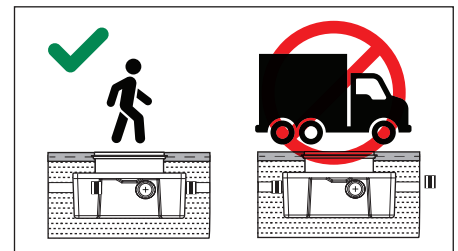
Concrete Slab Required at Grade

A concrete slab at grade is required for all buried applications. See page 7 for details.



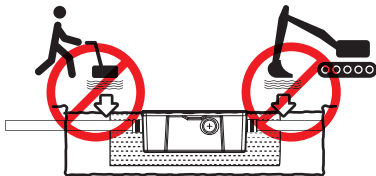
Pedestrian Traffic Only

The GB1 should not be installed to receive vehicle traffic.

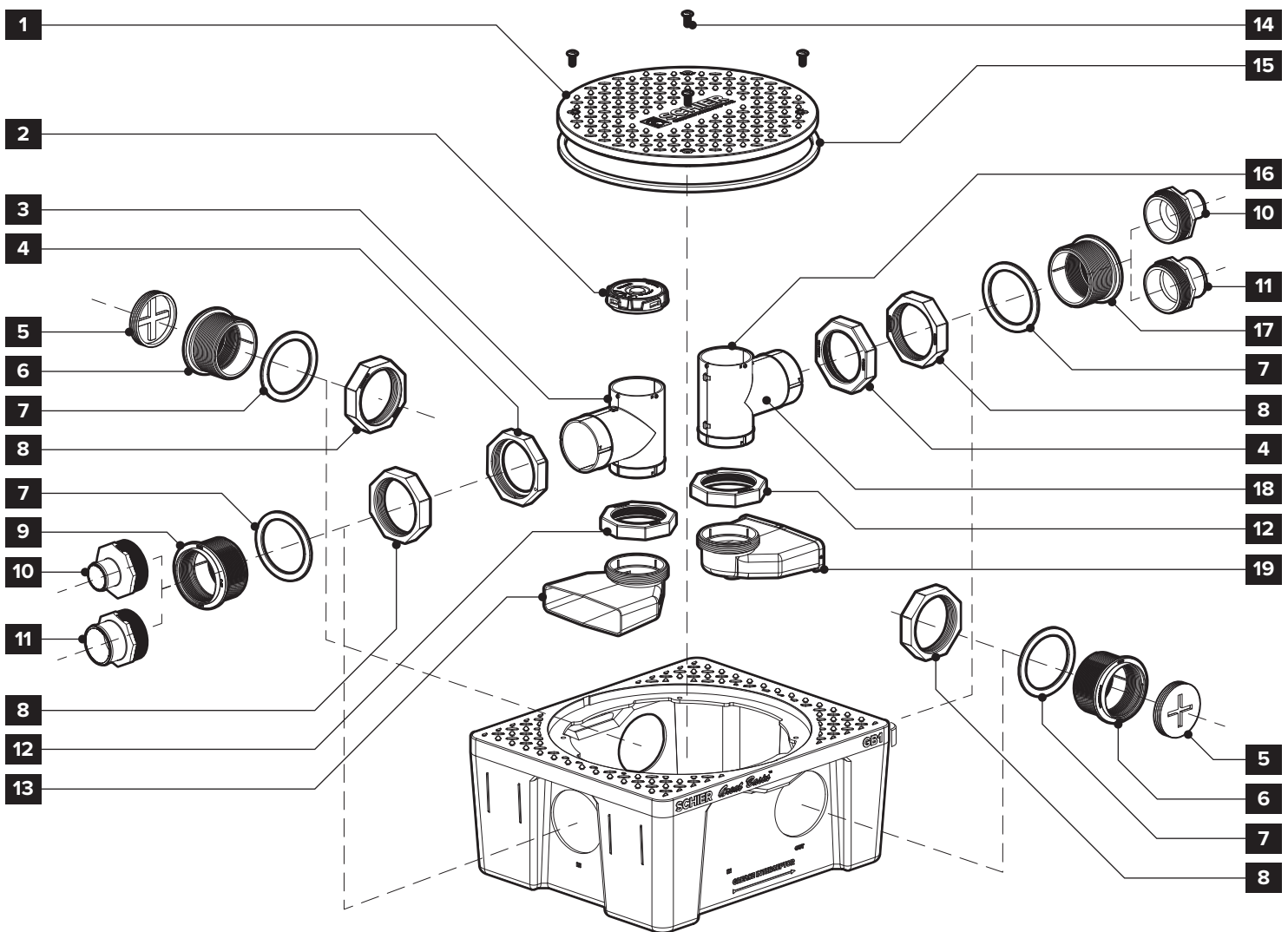


Do not compact backfill mechanically:

Compact by hand only



GETTING TO KNOW THE GB1

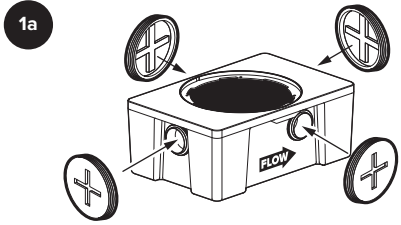


1. Cover
2. Inlet diffuser cap (white)
3. Inlet diffuser
4. Inlet diffuser retaining nut (x2)
5. 4" cleanout plug (x2)
6. Optional side outlets 4" FPT (x2)
7. Connection fitting gaskets (x4)

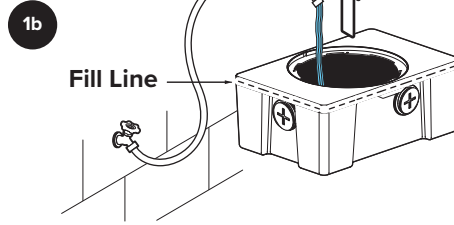
8. Bulkhead connection retaining nut (x4)
9. Inlet 4" FPT connection
10. 2" plain end fitting (x2)
11. 3" plain end fitting (x2)
12. Diffuser foot retaining nut (x2)
13. Inlet diffuser (foot)

14. Cover bolt (x4)
15. Cover gasket
16. Air relief/visual access
17. Outlet 4" FPT connection
18. Outlet diffuser
19. Outlet diffuser (foot)

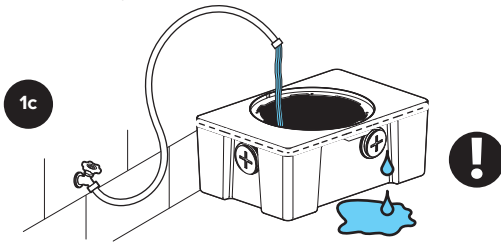
1 Test Tank for Water Tightness



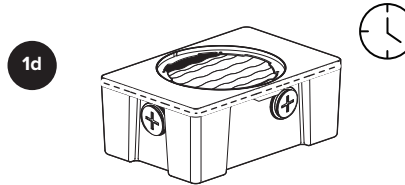
Plug all interceptor connections with 4" cleanout plugs (2 included) Use pipe thread sealant or tape approved for use with plastic.



Remove cover and fill the interceptor with water to above the highest connection.



Inspect the interceptor body, connections and gaskets for leaks.



Check the water level inside the interceptor at specific intervals per code.

Have a Leak?
Call customer support at
913-951-3300

2 Configure Outlet Diffuser

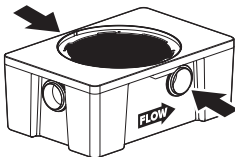
The GB1 is manufactured with three outlets. Only one outlet will be connected to the drainline and the other two must be plugged with the 4" cleanout plugs provided. The outlet diffuser comes pre-installed on the straight through end wall outlet connection.

If the straight through outlet connection will be used, **go to Step 2c.**

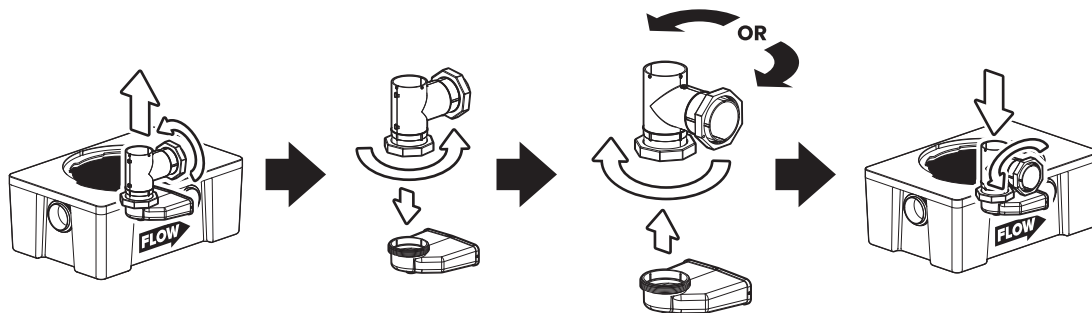
2a Choose the appropriate side outlet location

Side Outlet:

Go to Step 2b.



2b Reposition outlet diffuser from the straight through outlet to the chosen side outlet



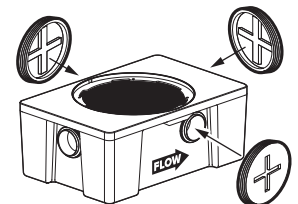
Untighten the green diffuser retaining nut and remove outlet diffuser.

Untighten the green diffuser foot retaining nut and remove outlet diffuser foot.

Rotate diffuser toward chosen outlet, replace foot ensuring it will point to the back wall of the unit and hand tighten the green foot retaining nut.

Insert diffuser into chosen outlet and hand tighten the green diffuser retaining nut.

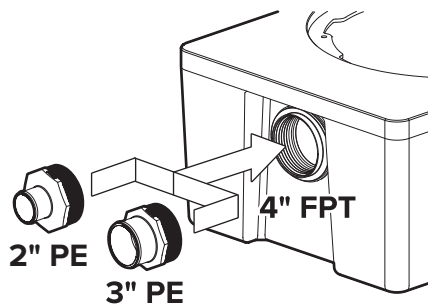
2c Cap unused connections (all configurations)



Plug the remaining two unused outlet connections with the 4" cleanout plugs provided using thread sealant or tape approved for use with plastics. **Do not plug the inlet or outlet connections with diffusers.**

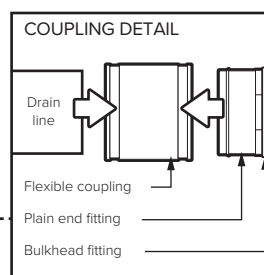
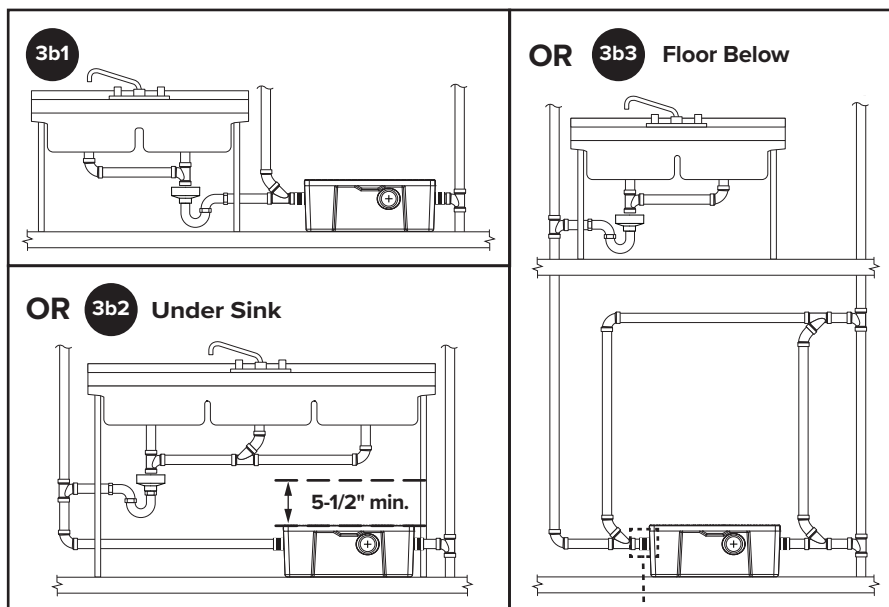
3 Connect Piping to Interceptor

- 3a** Screw plain end fittings (2 - 4" MPT x either the 2 or 3" plain end fittings provided) into the inlet and outlet bulkhead fittings on the interceptor using pipe thread sealant or tape approved for use with plastics. If 4" connections are needed, go to schierproducts.com/shop/fittings



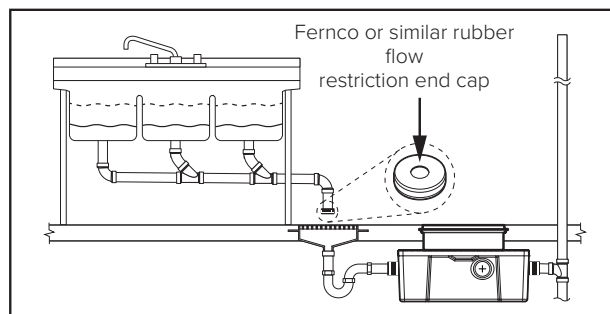
- 3b** Place the interceptor on a solid, level surface in contact with the entire bottom footprint. Mechanically couple the inlet and outlet fittings to the drainline using a flexible coupler. **Do not glue or solvent weld.**

Notes: Ensure all upstream fixtures are trapped. Vent the drainline per local code. The installation of 2-way cleanout tees to grade is recommended for buried installations.



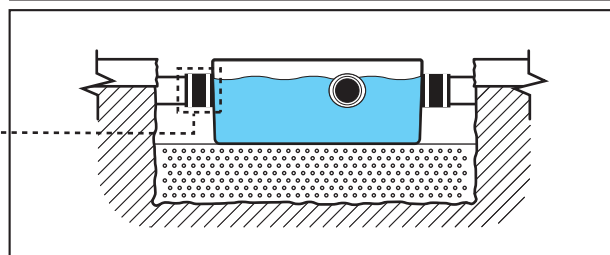
3b4 **Floor Sink Installation** **ONLY**

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.

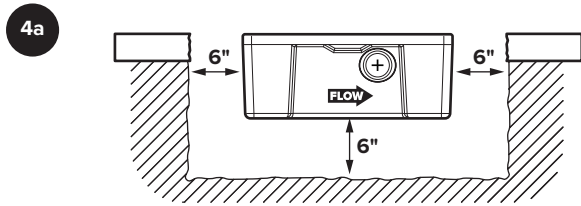


- 3b5** Place the interceptor into its final position and set level. Mechanically couple the inlet and outlet fittings to the drainline using a flexible coupler. **Do not glue or solvent weld.**

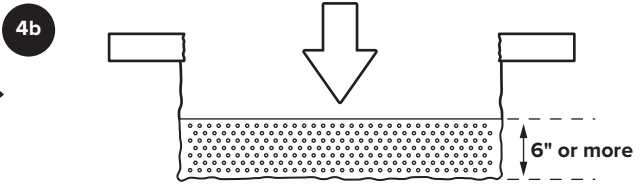
Notes: Ensure all upstream fixtures are trapped. Vent the drainline per local code. The installation of 2-way cleanout tees to grade is recommended for buried installations.



4 Excavation ONLY



Excavate hole 6" larger than interceptor on all sides.



Lay a level layer of well-packed, crushed aggregate at the base of the pit. Base layer material must be clean, crushed stone approximately 1" in size (AASHTO M43 Size #57 or similar) free of debris and fines. **Native soil and sand are not approved backfill materials.**

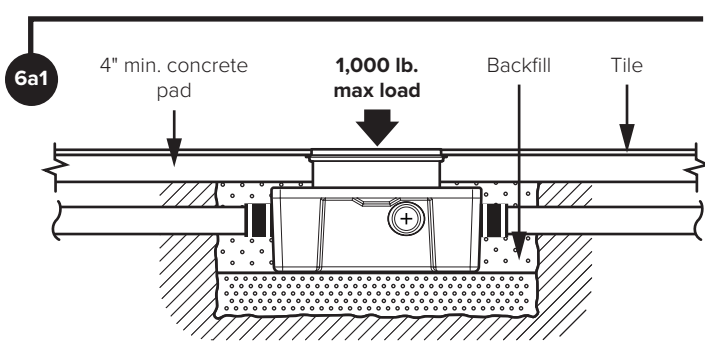
5 Wet or Air Test Piping Per Local Code

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

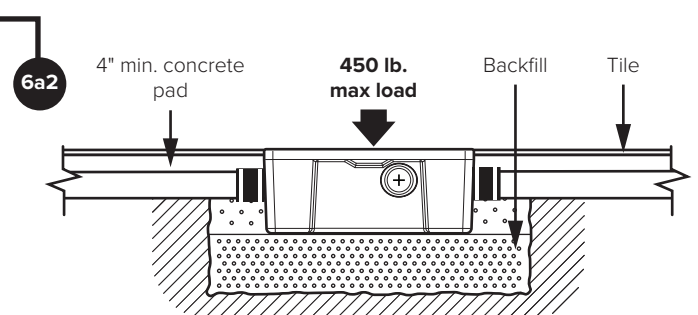


Leak? Call customer care at 913-951-3300

6 Backfill and Finished Grade ONLY



OR



Below Grade with Riser (preferred): See instructions included with FCR1 riser. Backfill evenly around the interceptor and risers with clean, crushed stone approximately 1" in size (AASHTO M43 Size #57 or similar) free of debris and fines. **Native soil and sand are not approved backfill materials.** Finish with a minimum 4" thick concrete pad.

Flush-to-Grade Burials: Not recommended for heavy foot traffic areas. Backfill evenly around the interceptor and risers with clean, crushed stone approximately 1" in size (AASHTO M43 Size #57 or similar) free of debris and fines. **Native soil and sand are not approved backfill materials.** Finish with a minimum 4" thick concrete pad.