



INSPECTOR™ SAMPLING PORT

Installation, Operation, & Maintenance Guide

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OVERVIEW

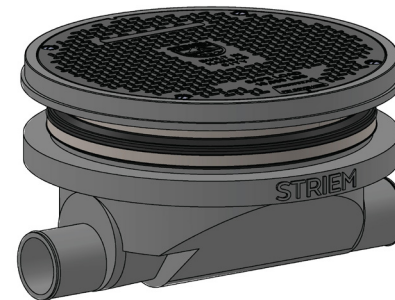
Striem Inspector™ is a polyethylene sampling port intended for above- or below-grade installation. It is designed to make the plumbing system easily accessible for sampling.

OPERATION

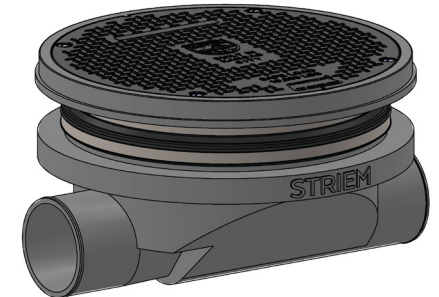
Wastewater enters through the inlet connection. As wastewater moves through the unit, flow is concentrated on the inlet side through a narrow passageway, followed by a waterfall, making it easier to take a sample. The Inspector features a no sump design to generate uncontaminated samples. A sampling container is inserted through the manway to obtain a sample from the waste stream.

LIFETIME WARRANTY

Our products are designed to last the lifetime of the plumbing system in which they are installed. If they don't, we will repair or replace them at no charge. Product damage due to normal wear and tear may be repaired or replaced at a reasonable charge. See website for full details.



INSPECTOR-4
INSPECTOR SERIES
4" CONNECTIONS
SAMPLING PORT



INSPECTOR-6
INSPECTOR SERIES
6" CONNECTIONS
SAMPLING PORT

913-222-1500 HELP@STRIEMCO.COM STRIEMCO.COM

CUSTOMER SERVICE HOURS: 8 AM - 5 PM CST



WARNING



DO NOT AIR PRESSURE TEST UNIT!
DOING SO MAY RESULT IN PROPERTY DAMAGE,
SERIOUS BODILY INJURY, OR DEATH
Refer to Installation Instructions for correct testing procedure.

LEAK/SEAL TESTING

Do not air pressure test unit or Teleglide Riser system! Doing so may result in property damage, personal injury or death.

To perform a leak/seal test on the base unit, cap/plug all plumbing connections, remove the cover, and fill the unit with water just above the highest connection. Inspect unit and connections for leaks. Check water level at specific time intervals per local code.

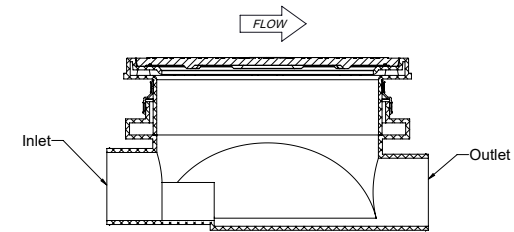
MAINTENANCE

- 1 Always take proper care to ensure a safe and healthy environment while maintaining the unit.
- 2 Remove Cover
- 3 Inspect cover gasket for wear and tear and replace cover.

TROUBLESHOOTING TIPS

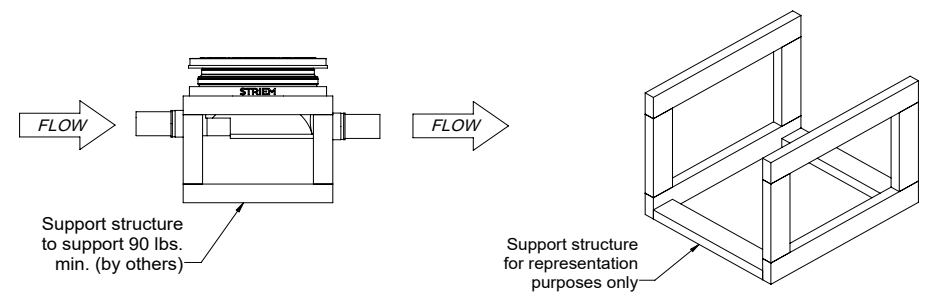


Slower than usual drainage may indicate a blockage and a need to maintain downstream units or piping.



ABOVE GRADE | INSTALLATION INSTRUCTIONS

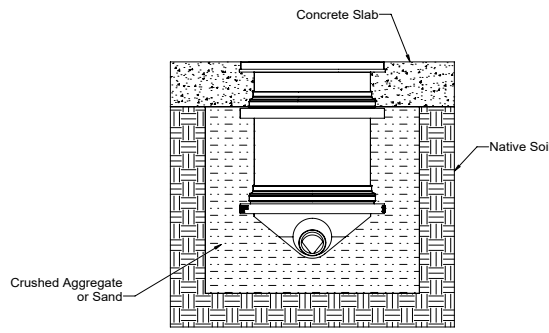
- 1 Support Inspector with a structure that can support a minimum of 90 lbs.
- 2 Connect waste piping to unit.
- 3 Ensure cover is properly installed on unit.



BELOW GRADE | INSTALLATION INSTRUCTIONS

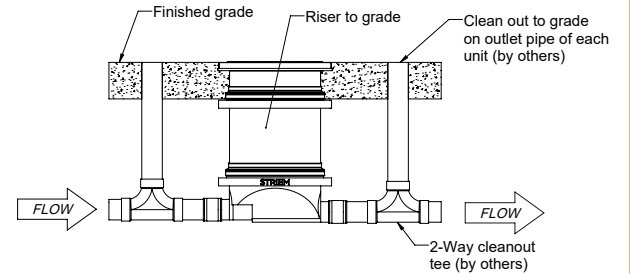
EXCAVATION

- 1 Surrounding soil must be undisturbed soil or well compacted engineering fill.
- 2 Width and length of excavation shall be minimum 12" greater than the tank on all sides.
- 3 Depth of excavation shall be 6" deeper than tank bottom.



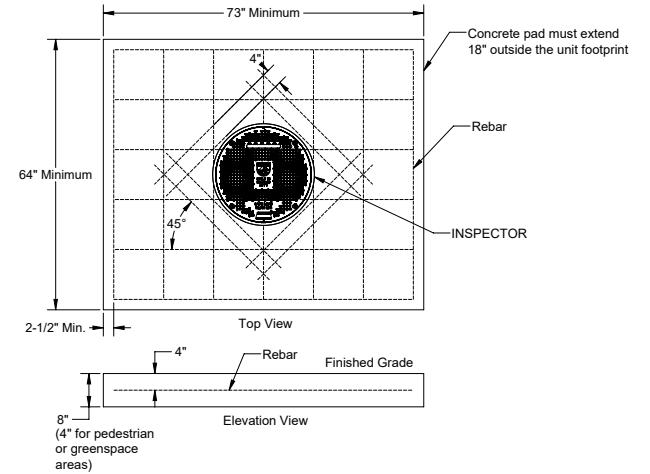
UNIT INSTALLATION

- 1 Lower and center the unit into the excavated hole. Do not use chains or accessways to move the unit.
- 2 The water table must not exceed the tank height prior to the addition of risers.
- 3 Ensure the unit cover is level with finished grade.



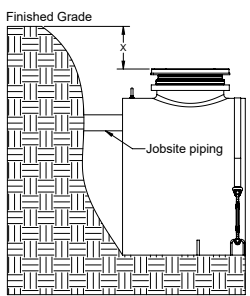
BACKFILLING & FINISHED CONCRETE SLAB

- 1 Preparation of sub grade per geotech recommendations.
- 2 Stabilize and compact sub grade to 95% proctor.
- 3 Before backfilling and pouring of slab, secure covers and riser (if used) to the unit.
- 4 Place 6" aggregate base under slab. Aggregate should be 3/4" size rock, or sand, with no fines.
- 5 Backfill using crushed aggregate material approximately 3/4" size rock, or sand, with no fines.
- 6 Thickness of concrete slab around the covers to be 8" for traffic loading. Thickness of concrete slab around the covers to be 4" for pedestrian or greenspace areas.
- 7 Concrete slab cannot interfere with the tank body below the risers.
- 8 Concrete to be 28 day compressive strength to 4000 PSI with $6 \pm 1\%$ air entrainment.
- 9 NO. 4 rebar (1/2") grade 60 steel per ASTM A615: connected with tie wire.
- 10 Rebar to be 2 1/2" from edge of concrete.
- 11 Rebar spacing 12" grid. 4" spacing around access openings.



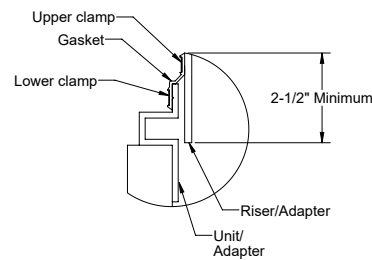
TELEGLIDE RISER | INSTALLATION INSTRUCTIONS

- 1 Place Inspector™ so that the pipe connections line up with jobsite piping. Measure dimension X to determine riser height needed. Select the required riser from the adjacent table. Riser chart shows quantity for each tank manway.

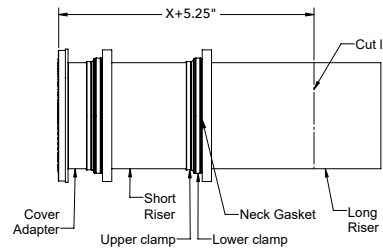


Standard Cover Adapter	
0" - 2"	None
2" - 21"	SR24 (1)
21" - 36"	LR24 (1)
36" - 40"	SR24 (2)
40" - 55"	SR24 + LR24
55" - 69"	LR24 (2)
69" - 87"	SR24(2) + LR24
87" - 103"	LR24 (3)

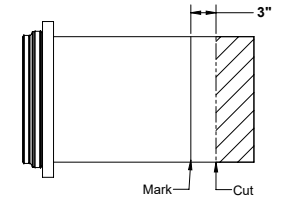
- 2 Loosen upper clamp with nut driver bit (included with tank). If no risers are needed, adjust cover adapter height as needed. Ensure 2-1/2" minimum engagement is maintained. If risers are needed, remove cover from cover adapter, and cover adapter from the unit.



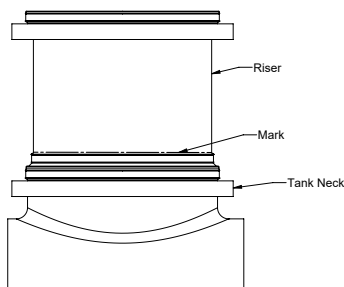
- 3 Insert cover adapter into the riser, if required, until it stops. Tighten upper clamp to keep risers from shifting. If using a standard cover adapter, measure the riser height needed, X + 5.25" down the sidewall of the risers. Mark the location with china marker (included with tank). Cover adapter may need to be adjusted outward for some dimension ranges. If mark is at the end of riser, no cutting is required.



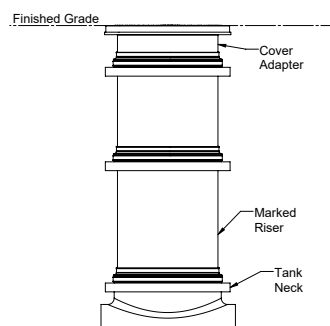
- 4 Uninstall cover adapter and riser. Extend mark made in step 3 around the circumference of the riser. Cut along line with jigsaw, circular saw, or reciprocating saw. Make a mark around the circumference of the riser 3" from the cut end of riser. If no cuts were needed, make the mark 3" from the bottom of the riser.



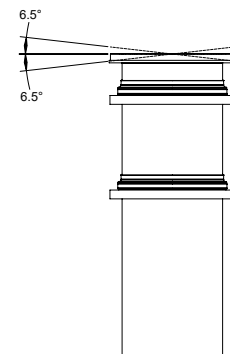
- 5 Wipe clean all riser and cover adapter sidewalls. Insert the first riser into the tank neck until the mark made in step 4 is in-line with the top of the neck gasket. This will ensure your risers reach the finished grade measured in step 1.



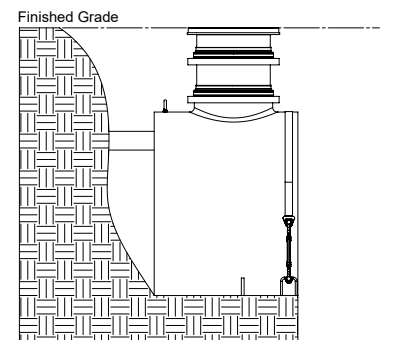
- 6 Install risers and cover adapter into the tank neck starting from the marked riser, moving up to finished grade. Upper clamps may need to be loosened or removed to aid in assembly.



- 7 Tighten all clamps to 14 lbs. of torque. Reinstall cover on cover adapter. If tilting of the cover adapter is required to be flush with finished floor, it must be done after all clamps are tightened. A 6.5° tilt is the maximum.

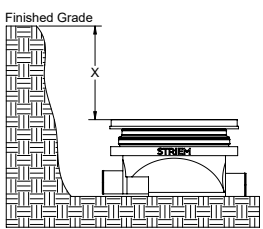


- 8 If jobsite riser height conditions change after the previous steps have been completed, there is still room for vertical adjustment. As long as the minimum engagement of 2-1/2" on all joints are maintained, the adapter and riser may be adjusted/cut as many times as necessary.

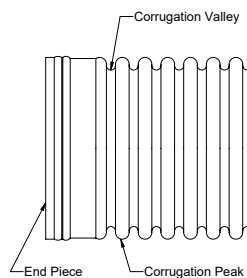


CORRUGATED PIPE RISER KIT (CPRK) | INSTALLATION INSTRUCTIONS

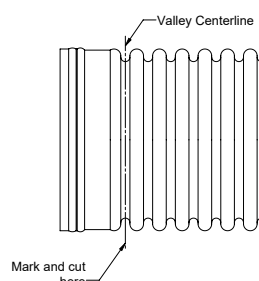
- 1 Place unit so that the pipe connections line up with jobsite piping. Measure dimension X to determine riser height needed. If X is less than 11", SR-24/LR-24 Risers must be used.



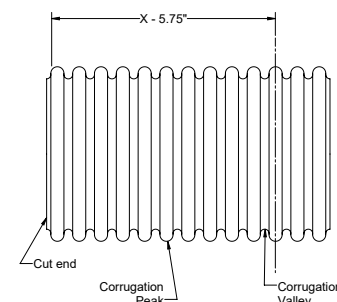
- 2 If corrugated pipe has an end piece, mark the corrugation valley closest to the end piece with china marker (included with tank).



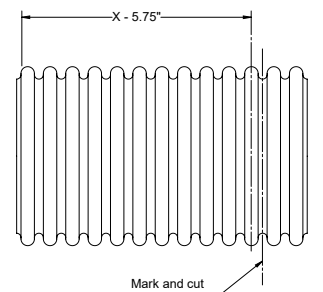
- 3 In the marked corrugation valley from step 2, mark the centerline of the corrugation valley around the circumference of the pipe using the china marker. Cut along centerline with reciprocating saw, jigsaw, or circular saw.



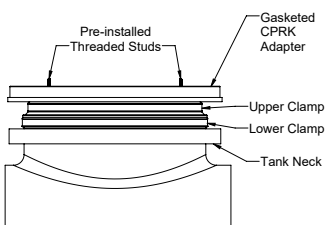
- 4 Subtract 5.75" from the riser height needed, X, measured in step 1. Measure this dimension down the sidewall of the corrugated pipe. Mark the location with china marker. E.g.: If Riser height needed is 30", measure $30 - 5.75" = 24.25"$.



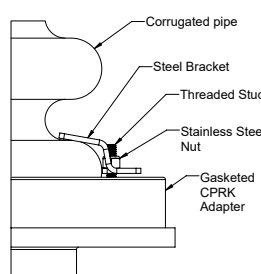
- 5 In the corrugation valley centerline that most closely succeeds the mark from step 4, mark and cut along the centerline using the same method from step 3.



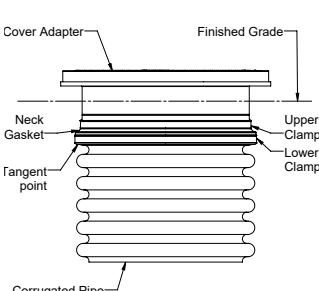
- 6 Remove cover from cover adapter. On the cover adapter assembly, loosen the upper clamp with nut driver bit (included with tank). Remove cover adapter from tank. Insert gasketed cover adapter (included with CPRK) until it stops. Tighten upper clamp with nut driver bit using 14 lbs. of torque.



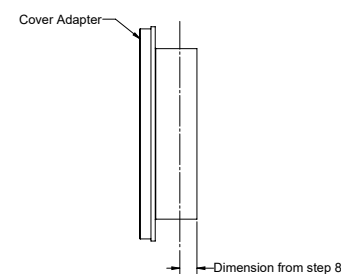
- 7 Place the corrugated pipe onto the gasketed CPRK adapter (installed on the tank). Center the corrugated pipe over the manway hole. Slip (4) steel bracket clamps (included) over the (4) pre-installed threaded studs so that the clamp tongues capture the pipe's bottom corrugation. Hand-tighten the (4) nuts (included) onto the threaded studs. Tighten with nut driver using 8 lbs. of torque.



- 8 Install the neck gasket (included with CPRK) onto the pipe's top corrugation, with the bottom of the neck gasket tangent to the bottom of the corrugation peak. Install lower clamp on the neck gasket. Tighten with nut driver using 5-8 lbs. of torque. Place the cover adapter that was removed from the tank atop the corrugated pipe. Measure the difference between the top of the cover adapter and finished grade.



- 9 Remove the cover adapter from the CPRK assembly. Measure the dimension recorded from step 8 from the bottom of the cover adapter. Mark the location with china marker and extend around the sidewall of the cover adapter. Cut adapter on mark with reciprocating saw, jigsaw, or circular saw.



- 10 Replace cover adapter onto corrugated pipe. Install upper clamp on neck gasket and tighten with nut driver to 14 lbs. of torque. Replace cover on cover adapter. Verify all clamps have been tightened to 14 lbs. of torque, and all bolts have been tightened to 8 lbs. of torque prior to backfill.

