

OVERVIEW

Striem Settler series model CB-50-S is a 57 gallon polyethylene catch basin intended for above- or below-grade installation. It is designed to separate heavy sand and sediment from the waste stream.

OPERATION

Solids laden wastewater enters through the inlet connection. In the settling chamber, heavy debris settles to the bottom before the wastewater exits through the outlet.

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.







CB-50-S CATCH BASIN Installation, Operation, & Maintenance Guide

CUSTOMER SERVICE HOURS: 8 AM - 5 PM CST



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 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 catch basin.

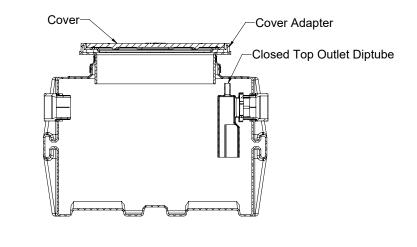
- 2 Remove cover.
- 3 Remove all contents from the main body of the CB-50-S, including wastewater, debris, and sediment. Contact a professional pumper contractor for best results.
- 4 Clean drain lines and diptube thoroughly of all debris.
- 5 Fill CB-50-S with water to invert of outlet.
- 6 Inspect cover gasket for wear and tear and replace cover.
- **7** Dispose of contents per local code.

MAINTENANCE FREQUENCY

Maintenance frequency depends on the quantity, size, and contents of solids entering the catch basin. Striem recommends inspecting the unit every one to three months until a proper maintenance schedule can be established.

Debris and sludge must be cleaned out periodically to allow the free flow of wastewater through the unit.

Slower than usual drainage may indicate a blockage and a need to maintain the catch basin. Ensure the drain lines and diptube are cleared of all debris in the presence of slow drainage.



ABOVE GRADE INSTALLATION INSTRUCTIONS

BELOW GRADE INSTALLATION INSTRUCTIONS

UNIT INSTALLATION

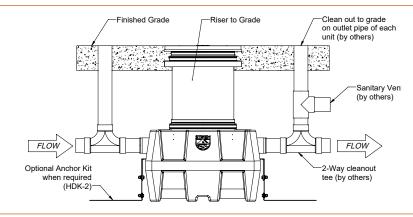
- Connect waste piping to unit.
- 2 Fill CB-50-S with water to outlet invert.
- Ensure cover is properly installed. 3



ANCHOR KIT INSTALLATION STEPS 12-3/4 EXCAVATION Cut Lin 1 Cut anchor strap to length with 4" Surrounding soil must be undisturbed soil or well grinder with metal cut-off wheel. compacted engineering fill. Slide Anchor Strap over tie down point Width and length of excavation shall be minimum 2 on end wall. Native Soi 12" greater than the tank on all sides. Bolt Anchor Strap to Anchor Plate using Depth of excavation shall be 6" deeper than tank bottom. 3 0 provided hardware. Tie-down Point 4 Anchor kit is recommended for installations in high Hold down force achieved by backfill Q -Optional Anchor Kit (HDK-2) water table conditions to prevent float out. To be weight acting on Anchor Plate. Stainless Stee Crushed Aggregate Anchor Stra determined by specifying engineer. If necessary, Anchor Plate may be bolted to concrete order optional "High Water Anchor Kit (HDK-2)". Anchor Pla slab, if required, by using holes provided See detail adjacent. in Anchor Plate.

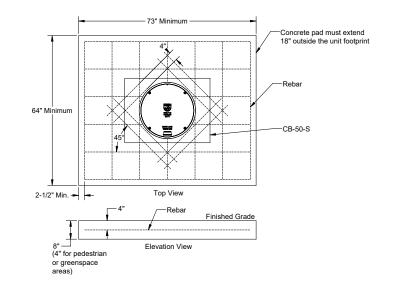
UNIT INSTALLATION

- 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.
- Ensure the unit cover is level with finished grade. 3
- Fill CB-50-S with water before backfilling to stabilize the unit and prevent float out during backfilling. 4



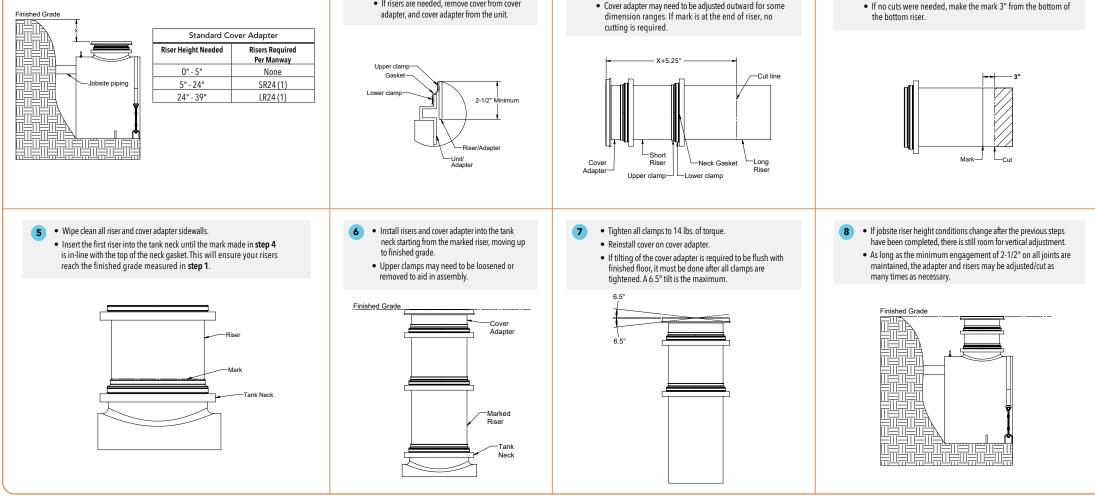
BACKFILLING & FINISHED CONCRETE SLAB

- Preparation of sub grade per geotech recommendations.
- 2 Stabilize and compact sub grade to 95% proctor.
- 3 Before backfilling and pouring of slab, secure cover and risers (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.
- Thickness of concrete slab around the covers to be 8" for traffic loading. Thickness of concrete 6 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.
- NO. 4 rebar (1/2") grade 60 steel per ASTM A615: connected with tie wire. 9
- 10 Rebar to be 2 1/2" from edge of concrete.
- 11 Rebar spacing 12" grid. 4" spacing around access opening.



TELEGLIDE RISER INSTALLATION INSTRUCTIONS

- Place CB-50-S so that the pipe connections line up with jobsite piping Measure dimension X to determine riser height needed.
- · Select the required risers from the adjacent table. Riser chart shows quantity for each tank manway



• 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
- Insert cover adapter into the required risers until they stop. • Tighten upper clamp to keep risers from shifting. Risers
- are installed from short to long. • 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).

• Uninstall cover adapter and risers

- · 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.

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