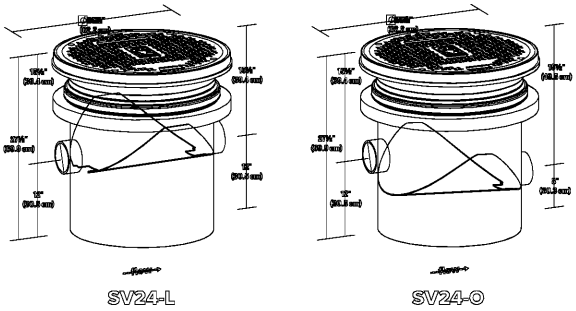


SV24

Sewer Viewer Wastewater Sampling Port Technical Data
 Submittal | Special Precautions | Specifications | Installation



SUBMITTAL

STANDARD: 4" plain end inlet/outlet | Highway traffic load rated, bolted, gas/water tight composite covers, (6,000 lbs.)

OPTIONS:

- 4 Level Connections
- 4 Offset Connections
- 8" 4" Male pipe thread connection
- 8" 4" Plain End SCH 40 Inlet/Outlet
- 256-411 Polyester red cover (2,000 lbs.)
- 256-412 H2O Load Rated Pickable Cast Iron Covers

Table 1: Riser Height	Risers Required
0" - 2-1/2"	None (use adapter)
2-1/2" - 30-1/2"	SR24
30-1/2" - 38-1/2"	LR24
38-1/2" - 54-1/2"	SR24 + LR24
54-1/2" - 68-1/2"	LR24 + LR24

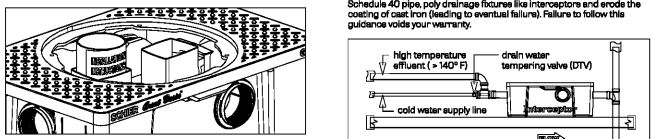
APPROVAL:

Signature: _____
 Date: _____
 Company: _____
 Specifying Engineer: _____
 Engineering Firm: _____

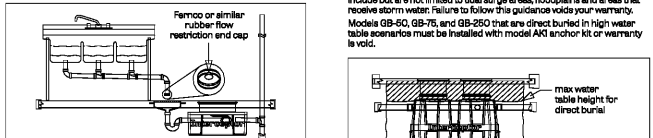
SCHIER MODEL NUMBER: SV24 DESCRIPTION: Polyethylene Wastewater Sampling Port
 PART # 8038-XXX-02 | DWG BY: C.O.Boyle | DATE: 2/25/2016 | REV: 2 | 7/4/2016 | EDC: 1067
 8900 Woodloch Road | Melbourne, FL 32911 | Tel: 878-985-8800 | Fax: 878-985-8899 | www.schierproducts.com | © Copyright 2016 Schier, All Rights Reserved

SPECIAL PRECAUTIONS

Installation Instructions
 Installation instructions and additional components are located inside 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 Reinstalling Interceptor Inside
 If your dishwasher (sink) 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 below for guidance. For detailed guidance on indirect connections, go to: http://web202.schierproducts.com/Technical_Data/Indirect_Connections.pdf



Hydrostatic Slab (or Pressure Slab)
 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. Failure to follow this guidance voids your warranty.

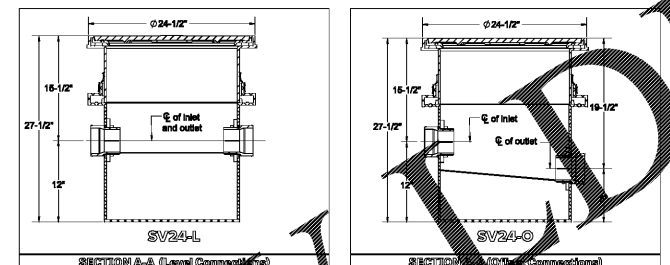
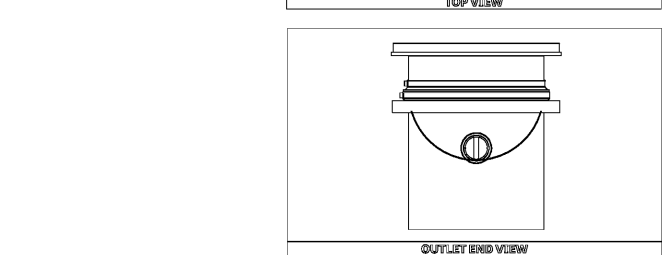


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SPECIFICATIONS

- NOTES**
- 4" plain end SCH 40 inlet/outlet
 - Unit weight - 65 lbs.
 - Unit supplied with built-in adapter for up to 2-1/2" of continuous adjustability. Additional riser(s) are also available for deeper burial depth.
 - Maximum operating temperature: 140° F

ENGINEER SPECIFICATION GUIDE
 Schier Sewer Viewer™ sampling port model SV24 shall be manufactured by Schier Products, Edgewater, KS. Port shall be lifetime guaranteed and made in USA of seamless, rotationally molded High Density Polyethylene.



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INSTALLATION (1 of 2)

WARNING! DO NOT AIR TEST UNIT OR TELLERLINE
 ROVER SYSTEMS Dating so may result in property damage, personal injury or death.

LEAK/SEAL TESTING
 Cap/Plug all base unit plumbing connections and remove covers. For base unit testing, fill with water to just above the highest connection. For riser testing, backfill (if required) fill with water to finished grade level. CAUTION: Risers must be supported before filling with water to prevent tipping. Inspect unit connections and all gaskets and clamps (if applicable) for leaks. Check water level at specific time intervals per local code. NOTE: All O&B service tactics have been tested for best practice prior to alignment from factory.

EXCAVATION

- Install unit as close as possible to grease interceptor being served.
- Surrounding soil must be undisturbed soil or well compacted engineering fill.
- Measure the width and length of the tank and excavate a hole that is a minimum of 12" greater than the tank on all sides and 6" deeper than tank bottom.
- After the excavation is complete create a well compacted support layer of sand/gravel mixture so that ground supporting tank is a minimum of 6" above native soil.

BELOW GRADE UNIT INSTALLATION

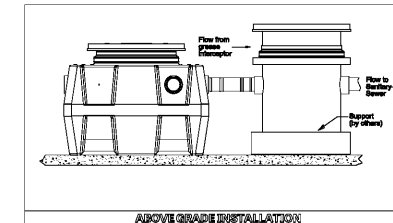
- Lower and center the unit into hole using straps around unit. Do not use sawsaws to move the unit.
- Ensure the unit tops are level with finished grade.
- All pipe penetrations to be sleeved or have slip connections.
- Fill unit with water before backfilling to stabilize unit and prevent tipping during backfilling.

BACKFILLING AND FINISHED CONNECTIONS

- Before backfilling and pouring of slab, seal covers and riser(s) if needed.
- Backfill evenly around tank using crushed stone (approximate 3/4" size rock or sand, with no fines), or flowable fill. Work backfill under the unit using a probe to ensure the unit is fully supported. Do not determine backfill by spreading engineer. If backfill loading is required the contractor shall determine backfill for guidelines. Backfill must be 25' diameter and 18" outside the unit footprint.
- Concrete to be 25' diameter and 18" outside the unit footprint. Slab must be 4" thick (1/2" grade 60 steel per sq ft) and 4" spacing around coverings.

ABOVE GRADE INSTALLATION

- Set unit on level, firm, stable surface.
- If unit is to be installed above the floor ensure bottom of unit is fully supported.
- Connect piping to the unit.
- Conduct a pressure test on pipes, if required, using an expandable test plug. Do not pressure test unit.



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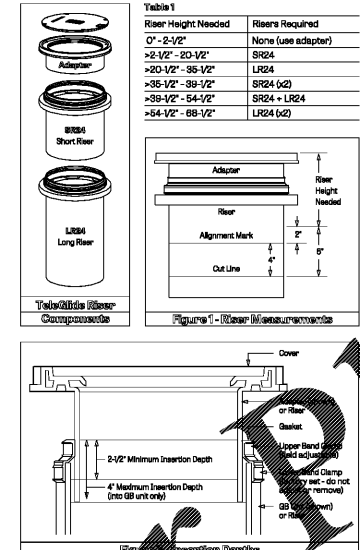
INSTALLATION (2 of 2)

INSTALLATION GUIDELINES
 Tools needed: 7/8" Nut driver (included), marker (included), tape measure and drill with 1/2" chuck, slip, chuck, saw or reciprocating saw will be needed if risers need to be cut.

NOTE: To remove a component or adjust its position, the Upper Band Clamps needs to be loosened or removed using nut driver bit. Loosened clamps should be re-tightened to 6-8 ft. lbs. of torque (same as a rubber no-hub coupling). The Lower Band Clamps are factory set and should not be adjusted or removed.

Riser Assembly Instructions/Steps

- Set unit so the pipe connections line up with job site piping and measure riser height needed from top of cover to finished grade. See Table 1 to select riser needed.
- Remove covers from adapters. Remove adapters from main unit. On a level surface, pre-assemble the risers and adapters, adjusting the components upwards or downwards to achieve the riser height needed. Make sure to maintain minimum and maximum insertion depths as shown in Figure 2. If components are too long, make a circular line around the adapter with marker and cut with a power saw. The lowest cut line on the riser assembly will be 6" beyond the riser height needed to allow for ideal insertion depth (See Figure 1). An alignment mark should be drawn 2" beyond the riser height needed which will align with the top of the base unit gasket, and 1/2" out the alignment mark. The Adapters and risers should all level with each other. Tighten upper clamps to keep riser/adapter assembly from shifting. Make alignment marks on the sidewalls at the top of all riser gaskets to aid final assembly.
- IMPORTANT:** Before the next step, make sure both diffusers are installed inside the main unit at the appropriate locations. Check if there needs to be any flow control adjustment at the inlet diffuser (see general installation instructions).
- Take apart riser assembly and clean all sidewalls and inside of main unit starting from the lowest riser and work your way up to finished grade. Maintain minimum and maximum insertion depths for all components (see Figure 2). Tighten Upper Clamps to specified torque after correctly positioning components. Riser assembly may need to be supported during backfill.
- If tilting of the adapter is required to be flush with grade, do so AFTER all clamps have been tightened with riser/adapter in a vertical and level position. Tilting is done using greatest flexibility. Tilt before tightening clamps may ruin a perfect gasket seal. Schier recommends tilting only the adapter versus the entire riser assembly to make sure your riser height and proper tank access is maintained.
- If riser height conditions change after completing above steps, there may be room for adjustment. As long as minimum and maximum insertion depths are maintained (see Figure 2), the adapters/risers can be adjusted/fit as many times as necessary. When riser system installation is complete, see Leak/Seal Testing procedure if required (pg 9 of 4).

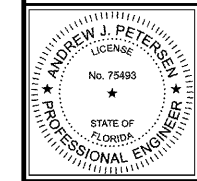


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DETAILS
KISSIMMEE 7-ELEVEN #38227
 SW C/O CARROLL ST. AND DYER BLVD.
 KISSIMMEE, FL 34741
 OSCEOLA COUNTY



ANDREW J. PETERSEN
 LICENSE NO. 75493
 01/03/2018
 PLAN STATUS

DATE	DESCRIPTION
AW DESIGN	EC DRAWN
	AJP CHKD
SCALE NONE	
JOB No. 010063-02-087	
DATE	01/03/2018
FILED	0063-02-0-CP-087-10-010-010-010
SHEET	D4.0

DRC #17-00138

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