Septic System Installation Instructions

INFILTRATOR®
systems inc.







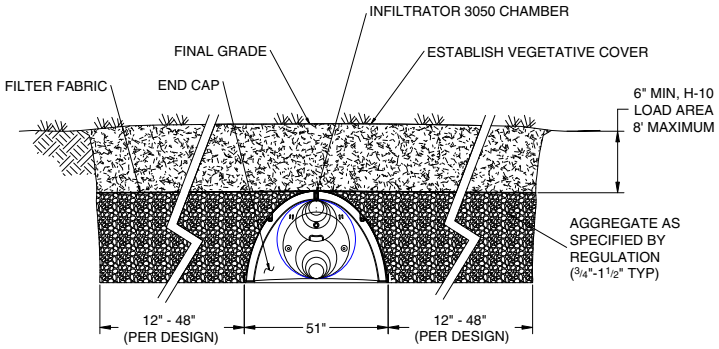
This brochure is available online at www.infiltratorsystems.com

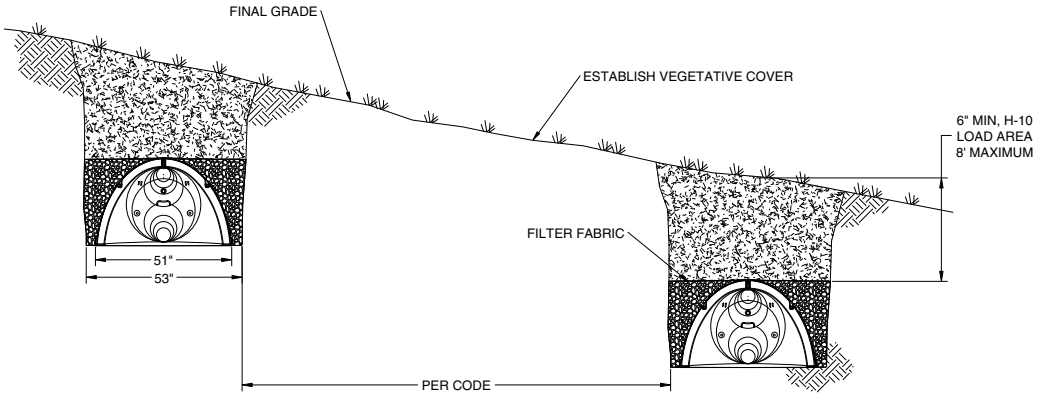
3050 Chambers

The Infiltrator 3050 Chambers Offer These Valuable Benefits:

NOTE: The 3050 chamber is for non-traffic septic applications only. The product warranty applies only if the chambers are used in a septic system. They shall not be used for stormwater systems or in any other application.

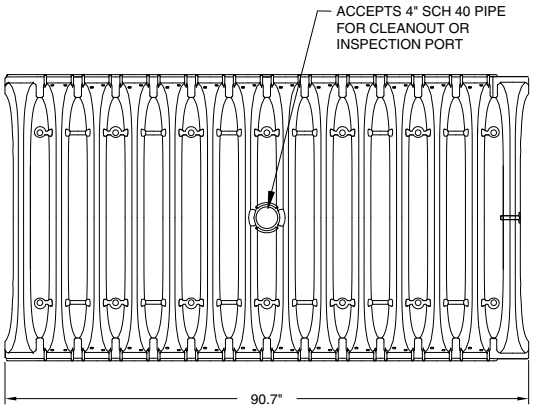
- 2-foot wetted sidewall assures maximum infiltrative surface
- High storage capacity accommodates peak flows
- Easy to transport and install, saving valuable time and money
- End caps can be easily secured for flexibility in design and installation
- Effective alternative for gallery designs
- 343 gallon storage capacity per chamber

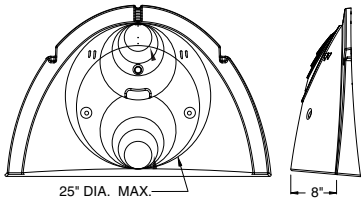


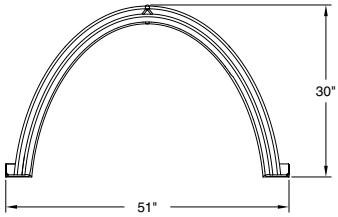


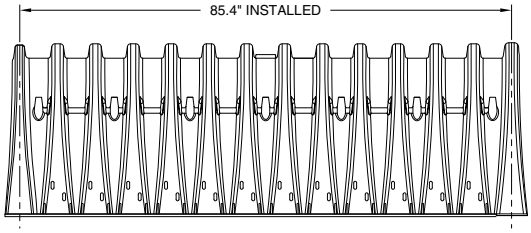
Nominal chamber specifications

Size (W x H x L)	51.0" x 30.0" x 85.4"
Chamber Storage	343 gal
Weight	74.0 lbs
Invert	24"









Before You Begin

Infiltrator chambers can only be installed according to state and local regulations. Contact your state or local regulators for specific requirements.

Like conventional systems, the soil and site conditions must be approved prior to installation. Be sure that a thorough site evaluation is conducted to determine the proper size and location of the system before proceeding with the installation.

Note: These instructions are for non-traffic septic applications.

Materials and Equipment Needed

- Infiltrator 3050 chambers
- End Caps (two per row)
- Backhoe
- Hole / Reciprocating Saw
- Laser, transit or 4-foot level
- Pipe and couplings
- Shovel and rake
- ¾" – 1½" stone, double washed (typ.)
- Geotextile (nonwoven min. 2.5 oz/yard2)
- Screws and screw gun
- Splash plates
- Tape measure
- Stakes*
- Spray paint (for marking trench lines)*
- String line*
- Bull Dozer*
- Inspection port assembly*

*Optional

These guidelines for construction machinery must be followed during installation:

- Avoid direct contact with chambers when using construction equipment. Chambers require a 12-inch minimum of compacted cover to support vehicular loads.
- During installation only drive across the trenches when necessary. Never drive down the length of the trench.

Excavating and Preparing the Site

1. Stake out the location of all trenches and lines. Set the elevations of the tank, piping and trench bottom.

2. Install sedimentation and erosion control measures per plan.

3. Excavate trenches as shown on approved engineering plans.

4. Rake the bottom and sides if smearing has occurred while excavating. Remove any large stones or other debris. Do not use the teeth of the backhoe bucket in lieu of raking to scarify the trench bottom.

Note: Raking to eliminate smearing is not necessary in sandy soils.

5. Verify that the trench is level using a 4-foot level, transit, or laser.

Attaching the End Caps

1.With a hole saw or reciprocating saw, cut an opening in the end cap for the inlet pipe at an invert of 24 inches.

2. Lift the open end of the chamber approximately 6 inches off the ground. With the curved face of the end cap facing outward, place the end cap into the chamber's end corrugation.

3. End caps are required only at the beginning and end of each row of chambers.

Installing the Chambers

1. Check the header pipe to be sure that it is level.

2. Set the inlet pipe invert at 24 inches from the bottom of the trench to the bottom of the inlet of the 3050 chambers.

3. Orient the first chamber so that the end labeled "Build Rows In This Direction" is closest to where the inlet pipe is located and the arrows point in the direction of the build.

4. Insert the inlet pipe into the opening cut in the end cap.

5. Check the first installed chamber to be sure that it is level.

6. Secure the inlet pipe to the end cap with a screw at the 12 o'clock position.

7. Connect the chambers by overlapping the end corrugation of one chamber onto the end corrugation of the last chamber.

8. Continue installing the remaining chambers until the trench is complete and end caps are placed on the end of each row.

9. Proceed to the next trench and begin with Step 1.

Covering the System

Before backfilling, the system must be inspected by a health officer or other official as required by state and local codes. Create an as-built drawing at this time for future records.

1. Using double washed stone ranging from 3⁄4 inches – 11⁄2 inches in diameter that is free of iron, fines and dust, fill the trench around the sidewall to the top of the chambers. Rake the stone level.

2. Cover the stone with a nonwoven geotextile (minimum 2.5oz/yard^2).

3. Backfill the trench by pushing soil onto the filter fabric.

Note: Avoid traffic over the system once completed.

4. It is best to leave several inches of soil above ground level to allow for settling. This ensures that surface runoff is diverted away from the system.

5. After the system is covered, the site should be seeded or sodded to prevent erosion.

Infiltrator Systems, Inc. Standard Limited Warranty

Note: The warranty covers septic applications only. Use of the 3050 chamber in stormwater applications voids warranty.

(a) The structural integrity of each chamber and end plate manufactured by Infiltrator (collectively referred to as "Units"), when installed and operated in a leachfield of an onsite septic system in accordance with Infiltrator's installation instructions, is warranted to the original purchaser ("Holder") against defective materials and workmanship for one year from the date upon which a septic permit is issued for the septic system containing the Units; provided, however, that if a septic permit is not required for the septic system by applicable law, the one (1) year warranty period will begin upon the date that installation of the septic system commences. In order to exercise its warranty rights, Holder must notify Infiltrator in writing at its corporate headquarters in Old Saybrook, Connecticut within fifteen (15) days of the alleged defect. Infiltrator will supply replacement Units for those Units determined by Infiltrator to be defective and covered by this Limited Warranty. Infiltrator's liability specifically excludes the cost of removal and/or installation of the Units.

(b) THE LIMITED WARRANTY AND REMEDIES IN SUBPARAGRAPH (a) ARE EXCLUSIVE. THERE ARE NO OTHER WARRANTIES WITH RESPECT TO THE UNITS, INCLUDING NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

(c) The Limited Warranty does not extend to incidental, consequential, special or indirect damages. Infiltrator shall not be liable for penalties or liquidated damages, including loss of production and profits, labor and materials, overhead costs, or other losses or expenses incurred by the Holder or any third party. Specifically excluded from Limited Warranty coverage are damage to the Units due to ordinary wear and tear, alteration, accident, misuse, abuse or neglect of the Units; the Units being subjected to vehicle traffic or other conditions which are not permitted by the installation instructions; failure to maintain the minimum ground covers set forth in the installation instructions; the placement of improper materials into the system containing the Units; failure of the Units or the septic system due to improper siting, improper sizing, excessive water usage, improper grease disposal, or improper operation; or any other event not caused by Infiltrator. This Limited Warranty shall be void if the Holder fails to comply with all of the terms set forth in this Limited Warranty.

Further, in no event shall Infiltrator be responsible for any loss or damage to the Holder, the Units, or any third party resulting from installation or shipment, or from any product liability claims of Holder or any third party. For this Limited Warranty to apply, the Units must be installed in accordance with all site conditions required by state and local codes; all other applicable laws; and Infiltrator's installation instructions.

(d) No representative of Infiltrator has the authority to change this Limited Warranty in any manner whatsoever, or to extend this Limited Warranty. No warranty applies to any party other than the original Holder.

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The above represents the standard Limited Warranty offered by Infiltrator. A limited number of states and counties have different warranty requirements. Any purchaser of Units should contact Infiltrator's corporate headquarters in Old Saybrook, Connecticut, prior to such purchase, to obtain a copy of the applicable warranty, and should carefully read that warranty prior to the purchase of Units.

For specific information on bed, mound, serial, pressure-dosed, or sandy-soils installations,
call Infiltrator Systems Inc. at 1-800-221-4436.

INFILTRATOR®
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