

GIT-Tank Grease Interceptor

June 2025

Installation Instructions

BEFORE YOU BEGIN

Infiltrator Water Technologies' interceptors must be installed by a licensed plumber according to state and/or local regulations and approvals, which supersede the manufacturer's installation instructions. If unsure of the installation requirements for a specific site, contact the Authority Having Jurisdiction (AHJ). The Infiltrator grease interceptor models referred to in this document include the GIT-540, GIT-1060, and GIT-1530.

All upstream fixtures must be trapped. At least 24-inches of clearance above the interceptor's access ports must be maintained at all times for routine maintenance. Infiltrator interceptors are only approved for in-ground use. Vent per state and/or local code. Installation of 2-way cleanouts (by others) on either side of the interceptor is recommended on all installations.

CAUTION: Installing an Infiltrator interceptor in any manner except as tested, rated, and instructed in this manual is prohibited. Failure to do so will void Infiltrator's Grease Interceptor Limited Warranty. Ensure all OSHA safety policies are implemented during the installation of this interceptor. Beware: Grease interceptors can generate flammable and toxic gases over time.

WARNING: IMPLOSIONS MAY CAUSE SERIOUS INJURY
Follow Infiltrator Water Technologies' vacuum test instructions

MATERIALS AND EQUIPMENT NEEDED

- | | |
|--|--|
| ☐ Infiltrator interceptor | ☐ Socket wrench |
| ☐ Access port lid(s) | ☐ Excavator |
| ☐ 10 screws per lid | ☐ Shovel & Hand Tools |
| ☐ Inlet/outlet gaskets (included) | ☐ Level |
| ☐ Inlet/outlet tees | ☐ 5-inch-diameter (125 mm) hole saw |
| ☐ Tape measure | ☐ Utility knife |
| ☐ Pipe, risers, etc. | ☐ PVC pipe glue with primer |

INSTALLATION SITE SELECTION

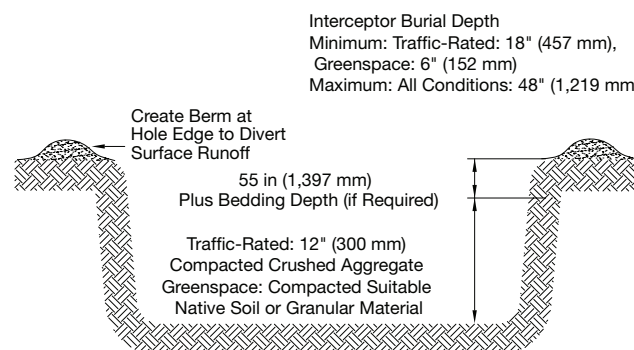
1. The allowable traffic-rated installation depth is 18 to 48 inches (457 to 1,200 mm) with 0.75-inch (19 mm) process gravel backfill. This installation also requires the use of a steel-reinforced concrete slab that conforms with AASHTO H-20 loading requirements. The allowable greenspace installation depth is 6 to 48 inches (150 to 1,200 mm) with native soil backfill.
2. The interceptor shall not be installed where the subsurface water level outside the interceptor exceeds the height of the outlet pipe saddle. (See Figure 5 on page 6).

EXCAVATING AND PREPARING THE SITE

1. Unless buoyancy control measures are required, the excavation width and length should be 18 to 36 inches (450 to 900 mm) larger than the interceptor on each side or sized as necessary to ensure proper backfill compaction, as outlined in Steps 5-10 of "Backfilling the Interceptor" in this document. See Infiltrator Tank Buoyancy Control Guidance document, available online at www.infiltratorwater.com, for specific excavation requirements when installing with buoyancy control measures.
2. Excavation depth shall account for the 55-inch (1,375 mm) interceptor height.

Note: If the water level outside the interceptor exceeds the height of the outlet pipe saddle, interceptor structural integrity may be compromised. See Figure 5 on page 6 for maximum allowable subsurface water elevation guidelines.

3. Inspect bottom of excavation to verify suitability of native soil for interceptor installation. Soils with large, protruding, or sharp stones or other similar objects that may damage the tank are not suitable.
4. For traffic-rated installations, the interceptor shall be installed on 12 inches (300 mm) of compacted crushed aggregate no larger than 0.75-inch (19 mm) diameter. For greenspace installations, interceptors shall be installed on either suitable native soil (see Backfilling the Interceptor section) or a minimum 4-inch (100 mm) layer of well-graded granular soil having particles less than 3 inches (75 mm) in diameter or maximum 0.75-inch (19 mm) diameter crushed stone.
5. Create a uniform, compacted, level surface to ensure that the bottom of the interceptor is evenly supported. Verify that the installation surface is flat.



INSTALLING GRAVITY GREASE INTERCEPTORS

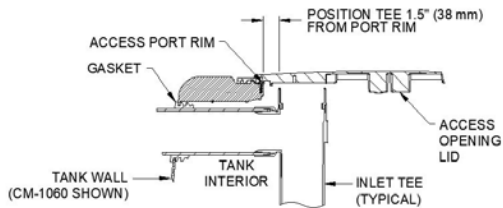
1. For models GIT-1060 and GIT-1530, inspect the interceptor for damage before installation.
2. If the interceptor inlet and outlet penetrations are not drilled, drill holes using the drill points provided at each of the inlet and outlet end or side ports as required based on applicable codes and site conditions.
3. The gaskets supplied with the interceptor are compatible with 4-inch Schedule 40 and SDR 35 pipe using a 5-inch diameter (125 mm) hole saw.
4. Install the rubber gaskets at the inlet and outlet.
5. Using all four of the interceptor's integral lifting lugs, lower interceptor into excavation.
6. After beveling the inlet and outlet pipes' ends, slide them through the gaskets. Soapy lubricant is recommended to slide the pipe in.
7. Horizontally position both inlet and outlet tees 1.5 inches (38 mm) from the access port rim,

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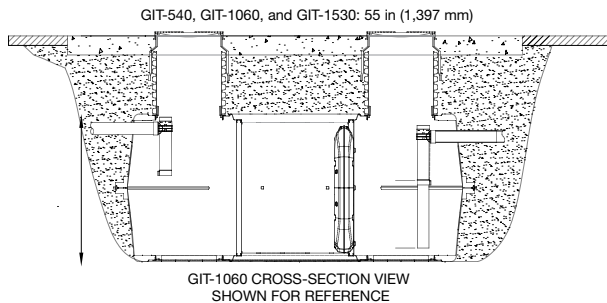
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allowing the tees to fit into the recess in the access port lid (see detail).

Note: Both inlet and outlet tees are made of ABS. Infiltrator requires the use of the supplied inlet and outlet tees. The locally approved method of joining the PVC or SDR pipe to the ABS tee should be used. Check your local requirements to determine if solvent welding cement and/or stainless-steel banded rubber couplings are permissible. Failure to use the supplied inlet and outlet tees will void Infiltrator's Grease Interceptor Warranty.



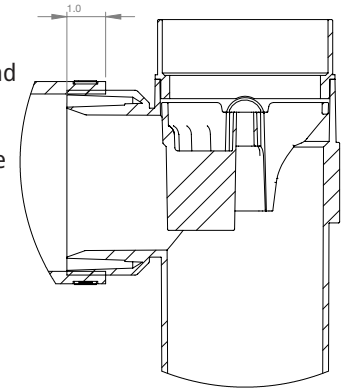
8. Install traffic-rated lids and risers (see Installing Risers section) as necessary. For greenspace installations, rotate lid over access opening of Infiltrator's EZsnap risers until it indexes and drops into position.



INSTALLING HYDROMECHANICAL GREASE INTERCEPTORS

1. For model GIT-540, inspect the interceptor for damage before installation.
2. If the interceptor inlet and outlet penetrations are not drilled, drill holes using the drill points provided at each of the inlet and outlet ends as required based on applicable codes and site conditions.
3. The gaskets supplied with the interceptor are compatible with SCH 40 and SDR 35 pipe using a 5-inch diameter (125 mm) hole saw. Install these rubber gaskets at the inlet and outlet of the interceptor.
4. Using all four of the interceptor's integral lifting lugs, lower the interceptor into the excavation.
5. Four 22-inch (559 mm) long, 4-inch (102mm) SDR 35 pipe stubs, three stainless-steel banded rubber couplings, and an inlet cap are supplied with the GIT-540 to complete the inlet and outlet tee assembly.
6. Take two of the pipe stubs and bevel one end on each of the stubs. Using a lubricant, such as cooking spray or soap, slide the beveled ends through the inlet and outlet towards the center baffle wall. These stubs will need to be connected to both drain and sewer lines.
7. Using a 5/16-inch nut driver and drill (an extension bar may be helpful), fasten both pipe stubs to the inlet and outlet tees using two stainless-steel banded rubber couplings. Be careful not to over tighten and ensure that the rubber couplings are fully-seated on the inlet and outlet tees.
8. Tighten the tie wrap holding the inlet and outlet tees against the baffle wall so that the tees are firmly secured to the wall.
9. Install the final stainless-steel banded rubber coupling on top of the inlet tee by fastening the bottom band to the top of the tee.

10. Cut the remaining two pipe stubs to desired length and fasten to the tops of the inlet and outlet tees using the top band of the rubber couplings. Again, ensure the rubber couplings are fully-seated on the tops of the inlet and outlet tees.



11. Check that the flow control device is in the restricted position (diagram below) and then place the inlet cap on top of the inlet extension pipe just installed.
12. Install traffic-rated lids and risers (see Installing Risers section) as necessary. For greenspace installations, rotate lid over access opening of Infiltrator's EZsnap risers until it indexes and drops into position.
13. Where a reducer is required on the outlet, it shall be eccentric with the flat side on the bottom.

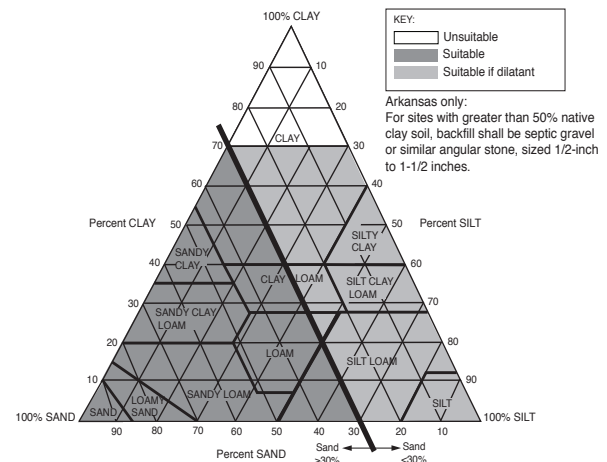
Note: An eccentric reducer will prevent changing the static water level and performance of the interceptor.

BACKFILLING THE INTERCEPTOR

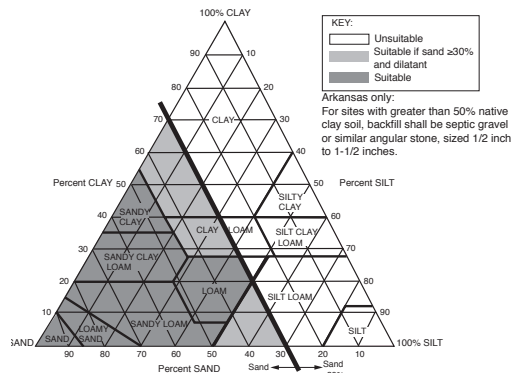
Note: Infiltrator interceptors do not require filling with water prior to backfill placement. Water filling and backfilling to the interceptor mid-height is required if the tank is left in either an open or backfilled excavation that may fill with water from rain or other sources.

1. For all traffic-rated installations, backfill 0.75-inch (19 mm) process gravel. For greenspace installations backfill with either suitable native or imported soil (max. 3 inches (75 mm)).
2. Proceed to Step 5 if installation is a traffic-rated application. Continue with the following three steps for all non-traffic installations.

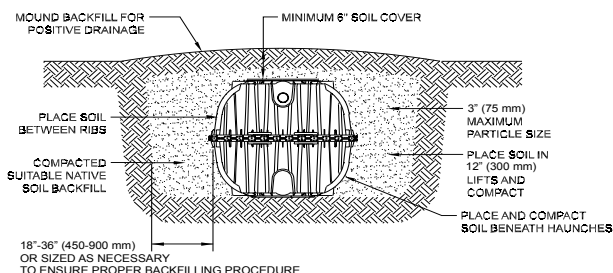
- a) For an interceptor soil cover depth of 0.5 to 2.0 feet (150 to 600 mm), suitable soil classifications using the Unified Soil Classification System (ASTM D2487) include: GW, GP, GM, GC, SW, SP, SM, SC, CL, and ML. Suitable textures using the United States Department of Agriculture soil triangle include:



- b) For an interceptor soil cover depth that is greater than 2.0 feet and up to 4.0 feet (600 to 1,200 mm), suitable soil classifications using the Unified Soil Classification System (ASTM D2487) include: GW, GP, GM, GC, SW, SP, SM, and SC. Soil classifications CL and ML are suitable only when determined to be non-dilatant per ASTM D2488 (see note below). Suitable textures using the United States Department of Agriculture soil triangle include:



3. Backfill should not have stones greater than 3 inches (75 mm) in diameter or excessive clods that do not break apart during placement and compaction. Backfill must be capable of occupying the spaces between the interceptor ribs and beneath the haunches.
Note: Rounded screened aggregate (e.g., pea gravel) is not a suitable backfill.
4. Standard field soil classification methods shall be used to determine the soil textural class.
Note: Under most circumstances, the determination of soil dilatancy will not be required. Dilatancy, or soils propensity towards becoming more solid under pressure, shall be determined in the field using a test that does not require specialized equipment, per ASTM D2488, Section 14.3.
5. Place and compact backfill by walking-in beneath the haunches of the interceptor.
Note: Compacting backfill beneath the haunches is critical for interceptor structural integrity.
6. Place backfill around the four sidewalls in an alternating manner, so that the backfill height along the four sidewalls is maintained within a 12-inch (300-mm) tolerance.
7. Do not backfill top of interceptor before sidewalls are completely backfilled.
8. Continue to place backfill along the sidewalls in 12-inch (300-mm) lifts. Place backfill between the ribs on the sidewalls such that the space between the ribs is completely filled with backfill.
9. Compact each lift of backfill material either by walking-in, hand tamping or mechanical compaction (includes backhoe bucket). If mechanical compaction is used, such as a walk-behind tamper or backhoe bucket, a single pass is recommended. Compact each lift prior to placement of next lift. Compact backfill from interceptor walls to excavation sidewalls.
10. Complete backfilling and grade the area.
11. For greenspace installations, a minimum 6-inch (150-mm) depth of suitable backfill must be placed over the top of the interceptor. Traffic-rated installations require a minimum of 10-inches (254 mm) of backfill material compacted above the interceptor.
12. For greenspace installations, establish a strong stand of erosion-resistant vegetation.
Note: Grade to prevent the backfilled excavation from filling with surface runoff. If the subsurface water level in the backfilled excavation exceeds the height of the outlet pipe saddle, interceptor structural integrity may be compromised.



SHORT- AND LONG-TERM GROUNDWATER CONTROL

It may be necessary to implement groundwater control measures during interceptor installation. Maintain dry conditions by expanding the excavation to create a short-term groundwater collection sump for temporary placement of a dewatering pump if needed. Long-term groundwater control measures such as underdrains and interceptor trenches may be sensible if the site is amenable to construction of a control system and such systems are not prohibited by regulation or law, and the interceptor location is not subject to flooding. Underdrains and groundwater interceptor trenches may prevent the need for interceptor buoyancy control measures.

INSTALLING UNDER SHALLOW GROUNDWATER CONDITIONS

Buoyancy control measures may be required if the interceptor is to be installed with less than 12 inches (300 mm) of backfill cover, and where the water level outside the interceptor (See Table 1, Note 5) has the potential to rise 30 inches (750 mm) or more above the elevation of the interceptor bottom. Otherwise, no control measures are required (see Table 1). The need for buoyancy control measures must be determined based on backfill cover depth and height of water outside of interceptor above the interceptor bottom according to Table 1. Refer to the Infiltrator Tank Buoyancy Control Guidance document for more information.

Table 1: Infiltrator Interceptor Models¹ and Conditions Requiring Buoyancy Control

Parameter I: Subsurface water height above interceptor bottom		Parameter II: Soil cover depth above interceptor top ²	
		A	B
		6 inches (150 mm) up to 12 inches (300 mm)	12 inches (300 mm) or greater
1	Above outlet pipe saddle ⁴ (greater than 43 inches [1,075 mm])	Do not install interceptor	Do not install interceptor
2	36 inches (900 mm) to 43 inches (1,075 mm) ⁴ (to outlet pipe saddle)	All models	Not Required
3	30 inches (750 mm) to 36 inches (900 mm)	GIT-1530	Not Required
4	Less than 30 inches (750 mm)	Not Required	Not Required

Notes:

1. Infiltrator interceptor models include: GIT-540, GIT-1060, and GIT-1530.
2. Minimum 6 inches (150 mm) cover is required for both traffic-rated and greenspace installations.
3. Infiltrator interceptors shall not be installed where the subsurface water level outside the interceptor exceeds the height of the outlet pipe saddle. See Figure 5.
4. The height of the outlet pipe saddle for the GIT-540, GIT-1060, and GIT-1530 is 43 inches (1,075 mm).

INSTALLING RISERS

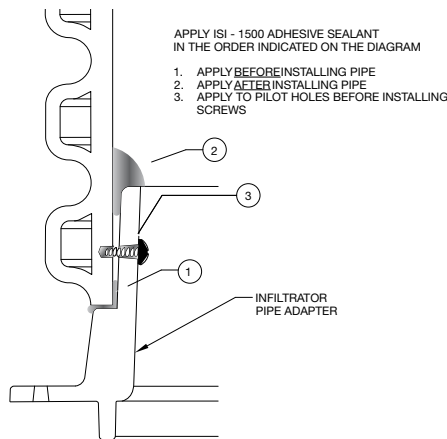
For greenspace installations, reference Infiltrator's Tank Riser Connection Guidance Document. Traffic-rated installations shall use the following steps, doing otherwise voids the interceptor's warranty.

1. Measure the distance between the top of the interceptor and the desired finished grade-level. This distance shall be backfilled with s0.75-inch (19 mm) process gravel and covered with an AASHTO H-20 traffic loading steel-reinforced concrete slab. The traffic-rated risers must be installed before those subsequent steps can occur.

2. Begin by installing Infiltrator's Pipe Adapter Ring(s) (SNAPPAR-2400) to the interceptor's access port(s). Apply two continuous 0.5-inch (13 mm) beads of ISI-1500 Adhesive Sealant to the smaller of the two standing ribs closest to the screw pilot holes on the top surface of the access port opening - one on either side of the rib.. Add an extra dab of sealant in each screw hole. Sealant thickness must fill gap beneath the Pipe Adapter Ring.



3. Align the Pipe Adapter Ring with the access port opening by aligning the arrows on the Pipe Adapter Ring with the arrows on the interceptor's inlet or outlet. The ring will seat on the interceptor tightly when properly placed. Center and press to create an even distribution of the sealant.
4. Fasten the Pipe Adapter Ring to the interceptor's access port(s) using ten #14 x 2-inch (51 mm) stainless steel screws. Tighten in a star pattern. Repeat star pattern at least twice without over tightening screws.



Note: Reference this illustration for visual assistance for the next four steps (Steps 5 - 8).

5. Apply one bead of ISI-1500 Adhesive Sealant to the first taper on the Pipe Adapter Ring and then, after having cut the pipe to its desired length, push the 24-inch dual-wall corrugated pipe (sourced by installer) onto the Pipe Adapter Ring until it is seated at the base of the ring's flange against the top of the interceptor.
6. Drill four 1/8-inch (3.5-mm) pilot holes at equally spaced locations on the Pipe Adapter Ring through the dual-wall corrugated pipe. Ensure that the pilot holes are not drilled too close to the ring's edge. See picture below.
7. Insert ISI-1500 Adhesive Sealant into the four pre-drilled holes and, in a star pattern, fasten the corrugated pipe to the Pipe Adapter Ring using four #12 x 1/2-inch (13 mm) stainless steel screws from the inside of the access port.



8. Apply a generous bead of ISI-1500 Adhesive Sealant into the groove at the top of the pipe adapter and then smear the sealant into the groove between the pipe and adapter ring.
9. Next, place the traffic-rated cast iron frame and lid on top of the dual-wall corrugated pipe.
10. Continue to backfill the interceptor and riser(s) in lifts properly supporting all sides of the riser until the desired grade before the concrete slab's installation has been reached.

TRAFFIC-RATED CONCRETE SLAB

Pour a concrete slab to finished grade following the schematic for the GIT-Series interceptor that is being installed. The slab shall be 8 inches (203 mm) thick and reach a 28-day compressive strength of 4,500 psi. No. 4 rebar grade 60 steel per ASTM A615 should be tied together every 12 inches (305 mm) on center, each way. Rebar should not be installed within 3 inches (76 mm) of the slab's edge or access ports. The local AHJ or engineer's plan supersedes manufacturer's instructions. See table 2 on the following page for more details.

GENERAL SPECIFICATIONS

- Failure to comply with installation instructions will invalidate the warranty.
- Prior to ground disturbance, check for subsurface obstructions and utilities in conformance with applicable requirements.
- Operating water temperature shall be less than 150° F (65.5° C). Temperatures in excess of 150° F will compromise standard PVC.
- In cold conditions, handle and backfill interceptor with care to prevent impact damage.
- Interceptors are not fire resistant. Store away from ignition sources.
- Removal of structural bulkheads is prohibited; removal of locking clips on the interceptor mid-seam connection is also prohibited.
- Infiltrator interceptors shall not be installed above ground. Contact Infiltrator if the 6-inch (150-mm) minimum soil cover depth cannot be met.

AASHTO H20 Traffic-Loading Design Illustrations

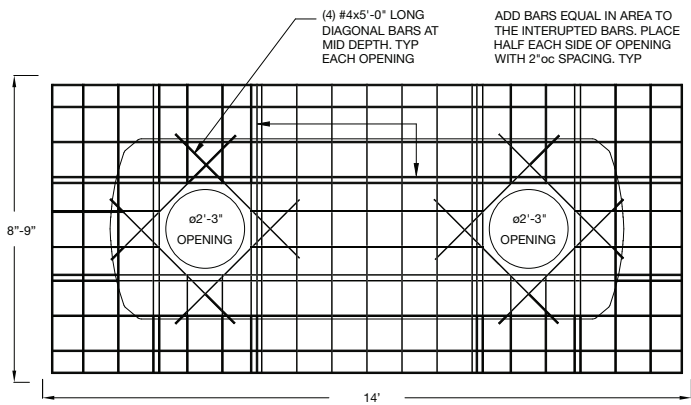


Fig. 1

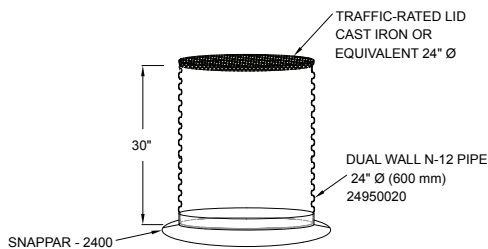


Fig. 3

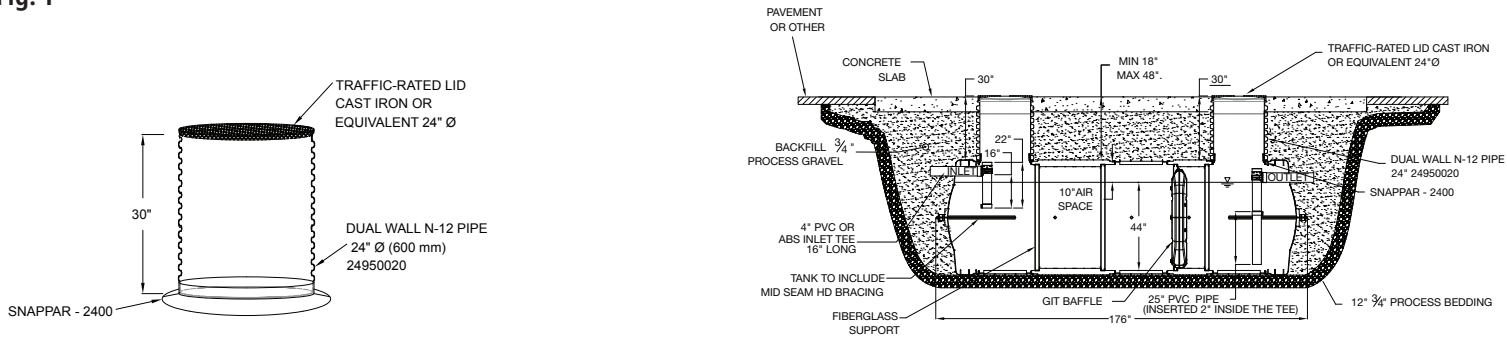


Fig. 4

Table 2:

Model	Concrete	Rebar	Rebar Spacing	Rebar Install Height	Length (A)	Width (B)	Height
GIT-540	4,500 psi at 28 Days	No. 4	12" EW	3.75"	8'-5"	8'-2"	8"
GIT-1060	4,500 psi at 28 Days	No. 4	12" EW	3.75"	14'-0"	8'-9"	8"
GIT-1530	4,500 psi at 28 Days	No. 4	12" EW	3.75"	19'-6"	10'-0"	8"

Installation Terminology

1. "Subsurface water" refers to a water-saturated zone of soil. Do not install if subsurface water is continuous from the tank bottom elevation to any point above the outlet pipe saddle elevation.
2. "Uninterrupted saturated soil" refers to water-saturated soil with no gaps in the saturated condition. An example of a gap in the saturated condition is a perched water table, when two water-saturated soil zones are interrupted by an unsaturated soil zone. Do not install if uninterrupted saturated soil is present from the tank bottom elevation to any point above the outlet pipe saddle elevation.
3. A perched water table is allowable above the outlet pipe saddle elevation only if unsaturated soil is present between the perched water table and tank bottom elevation.

Limitations When Subsurface Water is Present Above the Tank Bottom

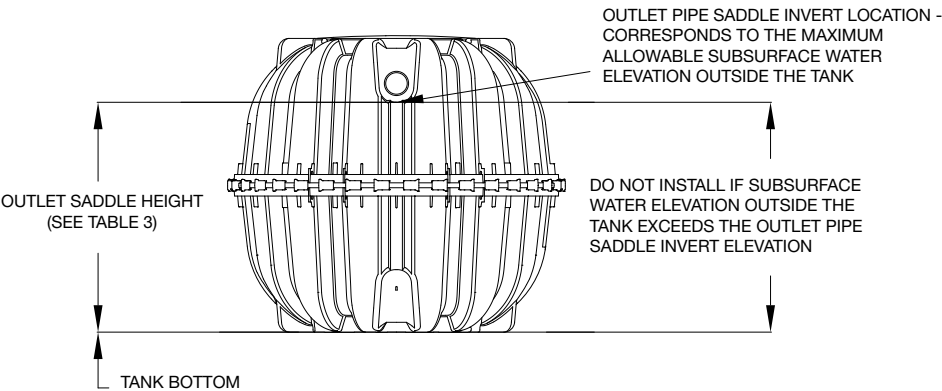


Fig. 5

Table 3:

Interceptor Model	Outlet Saddle Height
GIT-540	43.00 in (1,092 mm)
GIT-1060	43.00 in (1,092 mm)
GIT-1530	43.00 in (1,092 mm)

Infiltrator Water Technologies, LLC ("Infiltrator")
INFILTRATOR® GREASE INTERCEPTOR LIMITED WARRANTY
FIVE (5) YEAR MATERIALS AND WORKMANSHIP LIMITED WARRANTY

- (a) THIS LIMITED WARRANTY IS EXTENDED TO THE END USER OF AN INFILTRATOR GREASE INTERCEPTOR. A INFILTRATOR INTERCEPTOR MANUFACTURED BY INFILTRATOR, WHEN INSTALLED AND OPERATED IN ACCORDANCE WITH INFILTRATOR'S INSTALLATION INSTRUCTIONS AND LOCAL REGULATION BY A PERSON OR COMPANY THAT IS PROPERLY QUALIFIED TO INSTALL THE INFILTRATOR GREASE INTERCEPTOR IN ACCORDANCE WITH APPLICABLE STATE AND/OR LOCAL REQUIREMENTS, IS WARRANTED TO YOU: (I) AGAINST DEFECTIVE MATERIALS AND WORKMANSHIP FOR FIVE (5) YEARS AFTER INSTALLATION. INFILTRATOR WILL, AT ITS OPTION, (I) REPAIR THE DEFECTIVE PRODUCT OR (II) REPLACE THE DEFECTIVE MATERIALS. INFILTRATOR'S LIABILITY SPECIFICALLY EXCLUDES THE COST OF REMOVAL AND/OR INSTALLATION OF THE INFILTRATOR GREASE INTERCEPTOR.
- (b) IN ORDER TO EXERCISE ITS WARRANTY RIGHTS, YOU MUST NOTIFY INFILTRATOR IN WRITING AT ITS CORPORATE HEADQUARTERS IN OLD SAYBROOK, CONNECTICUT WITHIN FIFTEEN (15) DAYS OF THE ALLEGED DEFECT.
- (c) YOUR EXCLUSIVE REMEDY WITH RESPECT TO ANY AND ALL LOSSES OR DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER SHALL BE SPECIFIED IN SUBPARAGRAPH (a) ABOVE. INFILTRATOR SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND, HOWEVER OCCASIONED, WHETHER BY NEGLIGENCE OR OTHERWISE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.
- (d) THIS LIMITED WARRANTY IS THE EXCLUSIVE WARRANTY GIVEN BY INFILTRATOR AND SUPERSEDES ANY PRIOR, CONTRARY, ADDITIONAL, OR SUBSEQUENT REPRESENTATIONS, WHETHER ORAL OR WRITTEN. INFILTRATOR DISCLAIMS AND EXCLUDES TO THE GREATEST EXTENT ALLOWED BY LAW ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND ANY IMPLIED WARRANTIES OTHERWISE ARISING FROM COURSE OF DEALING, COURSE OF PERFORMANCE, OR USAGE OF TRADE. NO PERSON (INCLUDING ANY EMPLOYEE, AGENT, DEALER, OR REPRESENTATIVE) IS AUTHORIZED TO MAKE ANY REPRESENTATION OR WARRANTY CONCERNING THIS PRODUCT, EXCEPT TO REFER YOU TO THIS LIMITED WARRANTY. EXCEPT AS EXPRESSLY SET FORTH HEREIN, THIS WARRANTY IS NOT A WARRANTY OF FUTURE PERFORMANCE, BUT ONLY A WARRANTY TO REPAIR OR REPLACE.
- (e) YOU MAY ASSIGN THIS LIMITED WARRANTY TO A SUBSEQUENT PURCHASER OF YOUR FOOD SERVICE ESTABLISHMENT.
- (f) NO REPRESENTATIVE OF INFILTRATOR HAS THE AUTHORITY TO CHANGE THIS LIMITED WARRANTY IN ANY MANNER WHATSOEVER, OR TO EXTEND THIS LIMITED WARRANTY.
- (g) NO WARRANTY OF ANY KIND IS MADE WITH REGARD TO ANY PRODUCT, COMPONENTS, DEVICES, MEDIA OR TREATMENT UNITS WHICH ARE MANUFACTURED BY OTHERS AND ARE INSTALLED IN AN INFILTRATOR GREASE INTERCEPTOR. USE OF THESE PRODUCTS ARE AT YOUR OWN RISK.
- (h) THE INFILTRATOR GREASE INTERCEPTOR IS DESIGNED TO BE BURIED UNDERGROUND. NO WARRANTY OF ANY KIND IS MADE IF YOUR INFILTRATOR GREASE INTERCEPTOR IS NOT BURIED UNDERGROUND AS SPECIFIED IN THE PRODUCT'S INSTALLATION INSTRUCTIONS.

CONDITIONS AND EXCLUSIONS

There are certain conditions or applications over which Infiltrator has no control. Defects or problems as a result of such conditions or applications are not the responsibility of Infiltrator and are NOT covered under this warranty. They include failure to install the Infiltrator Grease Interceptor in accordance with installation instructions or applicable regulatory requirements or guidance, altering the Infiltrator Grease Interceptor contrary to the installation instructions and disposing of chemicals or other materials contrary to normal Infiltrator Grease Interceptor usage.

**Contact Infiltrator's Technical Services Department for assistance at
1-800-221-4436 or info@infiltratorwater.com**

