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COMPOSITE BURIAL TANK INSTALLATION INSTRUCTIONS G WARRANTY CARD

"IMPORTANT" INSTALLATION INSTRUCTIONS AND WARRANTY CARD ENCLOSED. DO NOT DESTROY"



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USE ONLY SPECIFIED PEA GRAVEL or CRUSHED STONE AS BACKFILL MATERIAL THROUGHOUT.

It must **NOT** contain contaminants of any kind, such as sticks, rocks, lumps, etc.

The pea gravel or crushed stone shall be of material that is clean and free flowing and have no more than 3% passing a No. 8 sieve (2.38 mm screen size opening). The material shall have a minimum dry gravel density of 1520 kg/m3 and meet the requirements of ASTM C33, Standard Specification for Concrete Aggregates, paragraph 7.1 for quality and soundness.

Tanks are to be lowered into excavation using lifting lugs provided. Or by using straps rated for the load

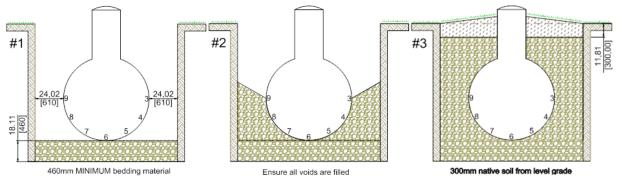
Carlson burial tanks must not be buried greater than the buried depth as indicated on the tank and lid and as described by model number (XXXXX .6, 2.14, 3.05), measured from the top of the tank to finished ground level.

(Illustration #1) Carefully lower tank onto compacted 460mm bed of either pea gravel or crushed stone. **LEVEL TANK**. This is critical for proper operation of all tanks. Fill tank with no more than 610mm of water above height of backfill material.

(Illustration #2) Connect inlet and outlet piping with flexible connectors to compensate for ground movement. Backfill around tank in uniform 300mm layers of either pea gravel or crushed stone, ensuring a firm envelope around tank. The quality of the envelope between 3 and 9 o'clock position is critical to ensure long term performance.

Continue backfilling from the 3 and 9 o'clock positions, in 305mm increments, with pea gravel **only**, until you have reached 305mm from grade level and consistent tank cover is achieved.

(Illustration #3) Finish backfilling the last 305mm with native soil until you reach grade. It is recommended that the desired elevation at the manhole extension be slightly higher than the undisturbed edge of the excavation (#3). This will ensure proper drainage, and allow for the eventual settling of the backfill.



CAUTION:

To avoid flotation of tanks installed without ballast it is recommended that the tank be left 1/3 full over the winter months to avoid flotation in spring high water conditions.

WARNING:

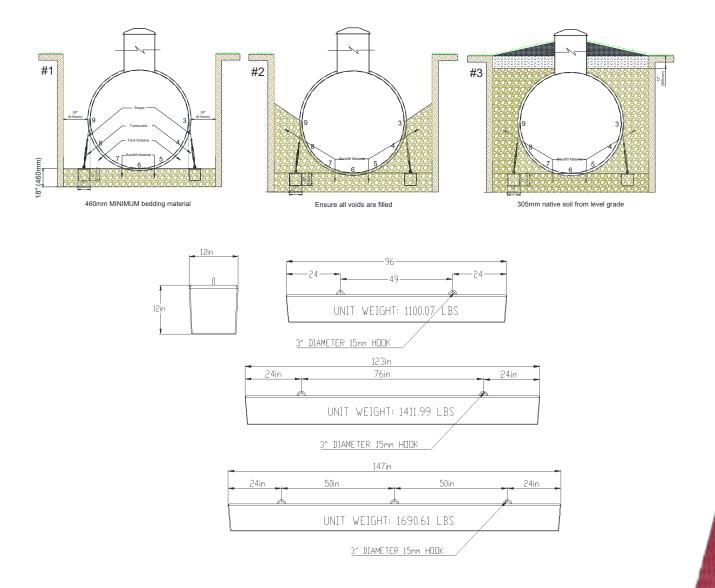
Failure to follow recommended installation may result in tank failure and void warranty.

CARLSON

CEC-AFD (Carlson Anti-Floatation Devices: These are used when there is a high-water table, and a request is made to provide a hold down system to prevent floatation. Stringent elevation of site conditions must be conducted by owner and installer.

To prevent tank flotation during the life of the installation due to **high water table**, Carlson recommends using our CEC-AFD (Carlson Anti-Floatation Devices) including concrete ballast anchors with a minimum of 460mm bedding material. The use of 75mm wide anchoring straps and galvanized turnbuckles is also recommended. Snug the turnbuckles only enough to straighten straps and provide slight resistance, backfill as per below instructions.

Concrete ballasts but sized be so that there is +/- 2ft of ballast at each end of the tank. A minimum of 2 straps are required per tank and each Strap requires 2 x Jaw-to-Jaw Turnbuckles. Straps should be placed a minimum of 48" to a maximum of 126" apart based on tank length, burial depth, sizing and quantity of ballasts, and water table.



WET HOLE INSTALLATION: Use only one-piece tank with the bonded leak proof manway collar. Also be sure to seal any manway extension connections to ensure fluid does not enter or exit the tank.

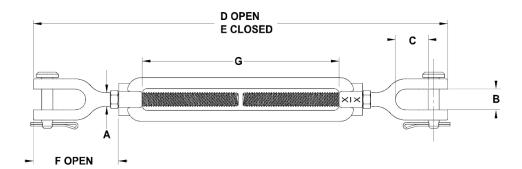






Carlson Part No.	EE	3	9	03	тз	Rated Capacity * (lbs.)		
FF2002T2(L)	Eye to	2.01.	9,800#	3 inch	Eye Type	Vertical	Choker	Basket
EE3903T3x(L)	Éye 3	3 Ply	Webbing	Wide Webbing	3	12,500	10,000	25,000

5ft Ø Tank	6ft Ø Tank	8ft Ø Tank	10ft Ø Tank		
Strap Length (ft)	Strap Length (ft)	Strap Length (ft)	Strap Length (ft)		
9	12	16	22		



Carlson Part No.	Diameter x Take-Up	В	с	D (Open)	E (Closed)	F (Open)	Approx. Weight (lbs)	WLL (lbs)
TB-5-675X9	3/4 x 9	1.01	1.76	28.5	19.5	4.19	5.46	5,200
TB-8-10- .75X12	3/4 x 12	1.02	1.75	34.75	22.75	4.29	6.43	5,200

5ft Ø Tank	6ft Ø Tank	8ft Ø Tank	10ft Ø Tank		
Jaw-to-Jaw Turnbuckle (in)	Jaw-to-Jaw Turnbuckle (in)	Jaw-to-Jaw Turnbuckle (in)	Jaw-to-Jaw Turnbuckle (in)		
9	9	12	12		

WARNING:

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CEC INC. WARRANTY REGISTRATION FORM

10 YEAR FIBERGLASS

LIMITED WARRANTY CARD

CARLSON fiberglass tanks are warranted against defects in material and workmanship according to our specifications, providing that assembly and installation is proved to be correct, and in accordance with CARLSON installation and assembly instructions.

Manufacturer's Warranty applies only to products manufactured by Carlson. Fibreglass tanks are warranted against defects in material and workmanship and will perform according to our specifications provided assembly and installation has proved satisfactory to Carlson or its agents.

Should a CARLSON tank prove to be defective, a replacement tank would be provided at no cost or repaired at our option, up to the second year free. Prorated, Customer/Carlson% Costs (3rd year 20/80%, 4th year 30/70%, 5th year 40/60%, 6th year 50/50%, 7th year 60/40%, 8th year 70/30%, 9th year 80/20, 10th year 90/10%).

What is not covered?

- 1. This warranty does not cover:
- 2. A product which has been repaired or altered without written authorization from the manufacturer or authorized Dealer or Distributor as to affect its use or operation.
- 3. Equipment or accessories, which are not manufactured by Carlson, whether or not warranted by other manufacturers.
- 4. Leakage from customer tanks that have been improperly assembled/installed.
- 5. Product that has been abused, mishandled, accidentally damaged or operated contrary to printed instructions provided.
- 6. Loss of time, inconvenience, travel expense or other matters not covered hereunder.
- 7. Excavation, landscaping, or other installation/removal costs.
- 8. Products not paid in full per terms of sale.
- 9. Any force majeure.
- 10. For additional warranty information see CEC INC. WARRANTY CLAIM FORM or contact the factory

No oral or written information or advice given by Dealers, representatives, agents, or employees shall create a warranty or in any way increase the scope of this warranty. The manufacturer does not authorize any person to extend the time of this warranty or to create or assume for it any other obligation or liability with respect to

its products. No person, including Dealers and Distributors are authorized to make repairs or replacements under this warranty without the prior written approval from the Manufacturer. This warranty is not transferable or assignable.

THE MANUFACTURER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INCIDENTAL DAMAGE RESULTING FROM A BREACH OF THE EXPRESSED OR IMPLIED WARRANTY WHICH IS NOT DISCLAIMED HEREIN NOR ANY OTHER LOSS OR DAMAGE, EXCEPT AS SET FORTH ABOVE.

PLEASE COMPLETE AND RETURN FORM ON BACK OF THIS PAGE TO ENSURE WARRANTY COVERAGE



This form must be completed at the time of installation and returned to Carlson for warranty registration within fifteen (15) days of burial. Warranty protection may not be validated if not returned within (15) days of burial.

END USER INFORMATION			DATE:			
NAME:			PHONE:			
OPERATING NAME:			FAX:			
PHYSICAL ADDRESS:			EMAIL:			
CITY:	PROVINCE:		POSTAL CODE: _			
INSTALLER INFORMATION (I	F DIFFERENT FROM ABOVE)					
	PROVINCE:					
	PROVINCE:		POSTAL CODE: _			
PRODUCT INFORMATION PURCHASED DATE:		INVOICE No.:				
PURCHASED FROM:		PHONE NUMBER:				
	e: Septic Holding Tank, Pump-out Tank, Chemical					
		_				
PREINSTALLATION CHECKLIS	<u>ST:</u>					
READ ALL BURIAL INSTRUCT	IONS FOR TANK:		YES		NO	
	age to tank or accessories (Loose items, holes, cra			□ drawing)	NO	
If any physical damage is fou	ind DO NOT INSTALL tank! Contact your dealer o	r the manufacturer prior to proceeding.				
BACKFILL MATERIAL CONFOR	RMS TO INSTALLATION INSTRUCTIONS:		YES		NO	
EXCAVATION (HOLE DIMENS	IONS CONFORM TO INSTALLTION INSTRUCTIONS):	YES		NO	
HOLE CONDITION:						
Water is not anticipated to re	each the tank and area is not subject to flooding				DRY	
Excavation hole may see wat	er accumulation and/or area is subject to flooding	(If wet please refer to special cond	dition installation i	nstructions)	WET	
DURING INSTALLTION CHEC	KLIST:					
460MM (18") BEDDING MATE	RIAL HAS BEEN INSTALLED AND COMPACTED		YES		NO	
VISUAL INSPECTION OF TAN	K AFTER SETTING IN HOLE COMPLETED:		YES		NO	
No evidence of physical dama	age to tank or accessories (Loose items, holes, cra	icks, separation, Inlet and Outlet are lo	cated according to	o drawing)		
If any physical damage is fou	nd DO NOT BACKFILL tank! Contact your dealer	or the manufacturer prior to proceeding] .			
IF WET HOLE TANK IS PROPE	ERLY SECURED AS PER SPECIAL INSTALLTION INS	TRUCTIONS USING CEC-AFD:	YES		NO	
FLEXIBLE PIPING CONNECTION	ONS HAVE BEEN USED TO REDUCE STRESSES ON	TANK AND PIPING:	YES		NO	
BACKFILL INSTALLED AND C	OMPACTED IN 305MM (12") LAYERS:		YES		NO	
INDICATE FINAL BACKFILL O	VERBURDEN FROM TOP OF TANK TO GRADE: (MU	ST BE ≤RATED BURIAL ON TANK LABE	EL)	/	METERS	S/FEET
S	IGNATURE OF OWNER/END USER		SIGNATURE OF	INSTALLER	/CONTRA	CTOR
NAME:		NAME:				
SIGNATURE:	I affirm that the foregoing is true and correct.	SIGNATURE:	I affirm tha	t the foregoing is true a	ind correct.	<u></u>
DATE:		DATE:				

RETURN COMPLETED FORM TO INFO@CARLSONINDUSTRIAL.CA