



Tank Division

Underground Tank Installation Instructions

**VPC Underground Tanks are for UNDERGROUND use only.
Failure to comply with instructions voids all warranties.**

Before Installation

1. Verify all local, county, and state codes before purchasing and/or installing.
2. If applicable, install supplied 4" inlet and outlet tees with gaskets prior to placing the tank.
 - Compatible with 4" Schedule 40 or SDR35 Pipe
 - Inlet is higher than outlet; confirm flow direction
 - Vent tank to surface
3. Optional VPC riser extensions may be installed at this point

Excavation and Bedding

4. Excavate to allow:
 - 6" - 30" cover over tank
 - 18"-24" clearance on all sides and ends
5. Bedding requirements:
 - Preferred: Compacted sand
 - 6" normal soil
 - 12" rocky soil
 - Native soil acceptable if clean, compactable, and rock-free
6. Lower tank carefully, ensure full rib support, and level tank
7. Connect all inlet and outlet piping

Important Notes

- Do NOT install in high water tables or saturated clay
- Keep tank away from heat over 180°F
- Protect from sharp objects during handling
- Do NOT place under vehicle or equipment traffic
- Septic tanks must be refilled immediately after pumping
- Septic tanks are not holding tanks and not for drinking water
- Cisterns and Multi-use tanks are made from FDA-approved resins

Backfill (Critical)

8. Fill tank with 12" of water
9. Backfill with 12" of clean material
 - Compact ends first, then sides
10. Repeat in 12" water / 12" backfill layers to surface
11. Compact beneath inlet and outlet pipes
12. Do NOT exceed 30" burial depth
13. Mound soil over tank for positive drainage

Questions? Please call VPC's tank specialist at (661) 257-3923 x 1026 or send an email productexpert@vpcglobal.com.



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Septic Tank | Buoyancy Mitigation Recommendations

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Inches of Soil Cover on Top of Tank	VPC Tank 1000 gallon Septic Tank Additional Weight Necessary (Pounds)				
	Inches of Groundwater Above Base of Tank				
	6	12	18	24	30
6		360	1890	3330	4860
9			540	2070	3510
12				720	2250
15					900
18					
21					
24					
27					
30					

Inches of Soil Cover on Top of Tank	VPC Tank 1500 gallon Septic Tank Additional Weight Necessary (Pounds)				
	Inches of Groundwater Above Base of Tank				
	6	12	18	24	30
6		540	2700	4770	6840
9			810	2880	5040
12				1080	3150
15					1260
18					
21					
24					
27					
30					



Suggestions:

- Concrete Blocks
- Concrete Parking Lot Bumper



Installing an underground septic system is a labor and time intensive endeavor that requires some expertise.

If you are unsure of any aspect of your septic tank installation, hire, or consult with a qualified tank installer.

Amount of extra weight / restraint necessary (in pounds)

No additional weight or restraints necessary

- - 90 # used for calculation purposes.

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