



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 | | | | | |

| | |
|--|--|
| | Amount of extra weight / restraint necessary (in pounds) |
| | No additional weight or restraints necessary |

- 90 # used for calculation purposes.



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.

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