

## Vertical Water Tanks



### 1. How are these tanks made?

They are made via a roto-mold process. Resin pellets are placed in a mold of the tank. It is then placed in an oven and the mold rotates in a manner to evenly disburse the resin over the complete surface of the mold. After a specified time period, it is pulled from the oven and allowed to cool. The tank is then removed from the mold and accessories are added manually.

### 2. What material is it made of?

UV stabilized BPA free HDPE (high density polyethylene) resin.

### 3. How much do these tanks weigh?

3000g vertical: 405 lbs.    2500g vertical: 340 pounds    550g vertical: 95 pounds.

### 4. What kind of inlets and outlets are there?

Vertical water tanks have a 16" screw on lid, a 1-1/2" inlet port on the top, and a 2" outlet port at the bottom of the tank.

### 5. Can I use this tank underground (even partially)?

No. Burying a vertical water tank, even partially, may cause damage. Further, it will void the warranty.

### 6. What can I store in a vertical water tank?

These tanks are made for use with potable water and are rated at 9.2 lbs. per gallon. The dark color (black or green) helps prevent algae growth.

### 7. Can this tank be painted?

Yes it can. To prepare the tank for painting, wipe it down with a paint thinner to remove any oily residue. The paint that seems to adhere the best is an automotive urethane which is commonly used to paint car bumpers. Keep in mind that over time, as a tank expands and contracts, the paint will usually crack and will need to be reapplied. VPC accepts no responsibility for any detrimental effect that paint may have on the tank.

### 8. Where can I find the serial number on this tank?

The serial numbers are located on the top neck near the manhole cover.

### 9. Do vertical water tanks need a concrete slab to place it on or can I put it on leveled dirt with all rocks removed?

A properly constructed concrete pad that is capable of supporting the contents of the tank is the best method and is recommended for tank sizes larger than 2,000 gallons. Other materials such as very flat blacktop, or contained, packed sand or smooth pea gravel have been used successfully. All surfaces must be level, and able to maintain uniform support through freeze/thaw, erosion and other disturbances.

**10. How can I get this tank from my local Home Depot store to my home?**

A popular way to transport this tank is on a flatbed trailer. Simply tip it on to its side, roll it up a ramp from the ground to the trailer, carefully strap it down, and drive carefully on the way home. Or, opt for at-home delivery (except 3000g vertical water tanks) when ordering from homedepot.com or your local store.

**11. What are the temp ranges for these tanks? Highs & Lows.**

Polyethylene storage tanks have a maximum storage temperature of 120° F. Contents with a temperature in excess of 120° F - even for a short period of time - can weaken the tank's structural integrity and make it susceptible to deformation and failure.

**12. Does this tank come with any sort of screen, filter, or basket in the top fill opening?**

No, the tank itself does not come with a strainer mechanism. However, many are available on-line. You'd want to look for a 16" diameter screen to fit inside the main fill hole.

**13. What will happen to my above ground tank if it is outside in freezing temperatures?**

The tank itself does not have a minimum temperature rating. If you plan to keep the liquid in the tank and you know that it will freeze, make sure that you leave room for expansion. The most likely place to crack on the tank is the bulkhead fitting which can be easily replaced.

**14. Are the tanks FRP or just plastic? I need it to meet NFPA 22 standards.**

Vertical water tanks are made of Polyethylene. It is not FRP (Fiberglass Reinforced Plastic). Most NFPA-22 tanks are made of other materials including metal and concrete which withstand much higher temperatures.

**15. Does this tank meet NSF-61 standards:**

Yes.

**16. Will this material melt if exposed to a wildfire?**

Yes, it will melt in a wildfire. Vertical water tanks have a maximum liquid storage temperature of 120° F. Past that, the PE starts to weaken. The typical melting point of PE is around 250° F and a typical wildfire burns at 1000° F or more in extreme situations.

Valencia Pipe Company  
28305 Livingston Avenue  
Valencia, CA 91355



www.valenciapipe.com  
(661) 257-3923  
Fax: (661) 257-3928