

Premier Plastics Inc.

New Website

CHOOSING THE RIGHT TANK

Premier Plastics Inc. manufactures CSA / NSF certified polyethylene water and septic tanks in a wide range of styles and sizes for you to choose from. To help you find what tank will suit your needs, we have outlined some basic points to consider when making a decision.

If there is something you are not sure about we will be happy to receive your call.

1. **ABOVE GROUND OR BELOW GROUND**

Will the tank be placed above ground or be buried?

Tanks for burial are ribbed or shaped to resist the pressure from the ground around it.

Underground tanks are rated by the maximum depth of earth cover allowed over the top.

Lightweight fill such as styrofoam boards or bark mulch could be used if the required depth is over the maximum (consult our factory).

The level of ground water, frost line, depth of bedrock, and backhoe access are also considerations when installing tanks underground. Above ground tanks are designed to withstand the pressure from the water sitting inside the tank.

Poly tanks must always be vented to atmosphere.

2. **SIZE OF TANK**

Your actual tank size will be based on:

- a) **Usage needs** per day or month for household, gardening, car washing etc.

- b) **Source of water and reliability of supply** i.e. from rainwater, creek, well, water district or truck. The longer the period with no or reduced supply, the larger the tank must be to serve your needs during these times.

- c) **The best location and space available for your tank.** Also, how will you get the tank into place? Polyethylene tanks are bulky but are relatively light weight. As a very rough guide, for the purpose of handling, polyethylene tanks weigh approx. 0.2 lbs. per gallon depending on size. Do you have vehicular or marine access, steep slopes, planted areas, trees, pathways or

outbuildings to consider?

- d) **Your BUDGET.** Can you plan on leave room for future expansion?
- e) **The size of your home if you need a septic tank.** Septic tanks in British Columbia are sized primarily by the number of bedrooms. Sizing in other jurisdictions may be by the number of bathrooms or number of people. A State or Provincially registered sanitarian, registered on-site wastewater professional or your local environmental health authority should be consulted when planning onsite sewage systems.

3. **STYLE OF TANK** – (click on link to each tank style)

Each style of tank has its own best suited application:

a) VERTICAL WATER TANKS

These tanks are vertical cylindrical in profile and are also the most commonly installed in the market place. Generally, these are the most economical in terms of dollars per gallon.

b) BOX TANKS

These tanks are for spaces with limited headroom such as crawlspaces and under decks. The low profile also allows moving into place through narrow openings. In tight spaces a floor panel could be installed above access lids. The tanks are designed to lay flat and not be placed on their side unless properly braced against bulging. Consult the factory if this is your only option.

c) TAPER TANKS

Used for applications that require completely open top access, such as fish rearing or chemical mixing. The tapered side allows multiple tanks to nest together for shipping economy.

d) SLIMLINE TANKS

A specialized tank for very narrow vertical spaces (18" or 22" wide) or when clearance in front of the tank is limited. The 'holes' in the design prevent the sides from bulging when filled.

e) CONE BOTTOM TANKS

Designed for sediment collection or granular material. The tanks require a steel/fiberglass floor stand for support.

f) LEG TANKS

Leg tanks can provide the maximum storage volume in a rectangular low headroom space. They are also a convenient way to transport water by pickup truck or trailer from a public utility. Uses include spraying, pressure washing or portable fire suppression. The smaller sizes can be positioned crossways in a truck box to leave room for other equipment or supplies. Keep in mind the weight of the water you are transporting and the hazardous effect of water moving around a partially filled tank.

g) UTILITY TANKS

Utility tanks are vertical cylindrical in profile and are specifically designed for 30" or 36" door opening access. The larger sizes are used for standby fire suppression where there is no municipal supply.

h) CISTERN TANKS

These are tanks installed below ground for water storage. There are a number of styles and sizes. These are SuperTanks, Saturna Tanks, Fat Albert Tanks, Submarine and Moonlander styles. Check the maximum bury depth for each size.

i) SEPTIC TANKS

These tanks are designed for partial or below ground installation. Styles according to size are SuperTanks and Saturna Tanks. Styles of septic pump out tanks and trash tanks are SuperTanks, Saturna Tanks, Fat Albert Tanks, Submarine Tanks and Moonlander Tanks. Gravity powered septic 'FLOUT' dosing packages are installed in four sizes of heavy duty Leg Tanks. Check the maximum bury depth before making your selection.

TANK COLOUR

Colour is used for esthetic or identification purposes. Vertical water tanks are either black or dark green. Some sizes are available in either colour. When used outside these colours are less noticeable and limit sunlight penetration. The natural polyethylene we use has a built in ultra-violet light stabilizer against sunlight. Most smaller tank sizes are natural white.

Typically underground water tanks (cisterns) are blue, septic tanks are yellow.

All pigments used (except yellow) are CSA/NSF certified for drinking water.