

HERB'S SUPPLY *TECH TALK*

WATER TANK SELECTION



When selecting a tank for water storage, there are three key factors to consider: style, size and color. Each factor is equally important to ensure that the tank you purchase will meet your needs.

There are a number of different [tank styles](#) out there, covering a wide variety of applications. *City-water* or *filtered-water* tanks can be a standard flat-bottomed vertical tank, and often come with gallon fill indicators on the side of the tank for added convenience in determining how much water is in the tank. For *nutrient stock tanks*, we recommend using narrower freestanding tanks. This keeps all the nutrients close together and allows them to be lined up in parallel under a fertigation system without space issues or long, snaking hoses. Finally, your *batch tank* for nutrient-enhanced water should be a cone-bottom tank, so that sediment drains out with each flush. A flat bottom tank in this application can promote sediment build up over time, possibly resulting in nutrient spikes to your plants.

Determining [tank size](#) requires not only knowing the total volume (gallons) needed, but also the available space where the tank will sit long-term. Keep in mind the diameter (footprint) and height of the tank. Space is often limited in facilities, and you do not want to discover upon delivery that your brand-new tank won't fit through the front door. Calculating the tank volume will depend on the number of batches you are making, as well as the input/output flows and your watering schedule. Herb's Supply is happy to help with these calculations.

The primary factor when considering [tank color](#) should be the location of the tank. For the water purification system inside a utility room, a natural (white) tank is commonly used because the water level line can be seen and the pigments don't leach out into the water. In outdoor applications, the tank color plays an important role in preventing light from reaching your water which, overtime, can result in the build-up of biofilms and algae. Black and green plastics perform best in outdoor applications.

Remember, most large-scale water tanks are manufactured to order with strict return policies, so it's very important to make sure you buy the right tank at the outset. By following the criteria laid out above, you can ensure that you will always buy the right tank the first time. [Contact Herb's Supply](#) for guidance in selecting the right tank for you.



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Have a question?

Our engineering team is always happy to help, and can be reached [here](#), at Sales@HerbsSupply.com or call us at 973-944-4940.