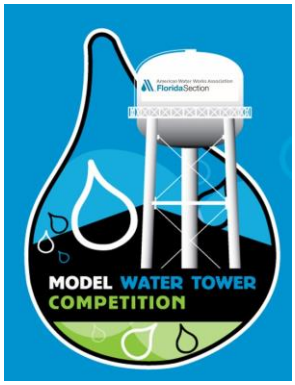
American Water Works Association
FloridaSection



The following are Frequently Asked Questions regarding the FSAWWA Region V Model Water Tower Competition. If you have additional questions, please send them to Karen.Miller@ghd.com.

PLEASE NOTE: We have waived the requirement to send your forms in advance as stated in the packet - instead – bring your forms with you on the day of event but be advised that **students will not be able to participate without a release form.**

Forms to bring with you:

- Completed Materials List (one per team)
- Completed Participant Release form (one for each team member)

Do the elbows that are listed in the directions have to be the ones with the pop-on collars, and will we be penalized for ones that are not pictured?

The connector needs to be a plug-in connector with 3/8" in outside diameter. Below is one of the manufacturer and item numbers that you may choose to use.

JOHN GUEST Item No: PP0312W

You will not be penalized if the connector does not look exactly like the picture as long as it meets the standards listed in the instructions.

How are the tanks filled and is the process of filling the tanks part of your overall time?

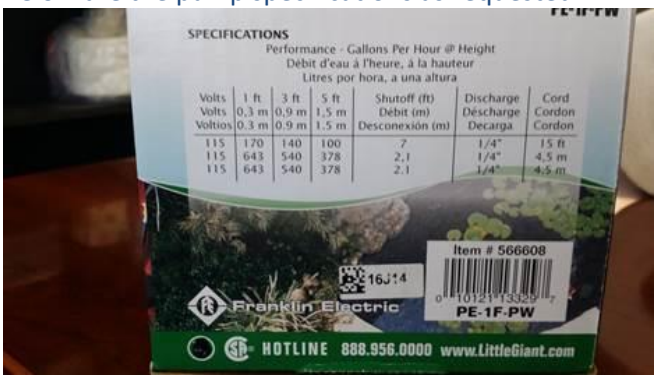
The tank will be filled by pumping water through the 3/8 inch connector at the bottom of the tower. The filling time and draining time will be used to estimate the Hydraulic efficiency. The drained water will be used to measure the volume of the tank.

How is structural efficiency measured?

The maximum weight of water that tower can hold is limited to 2.5 gallons that translates to approximately 21 pounds. Structural efficiency is measured by the ratio of the weight of water that the tower can hold to the weight of the empty tower.

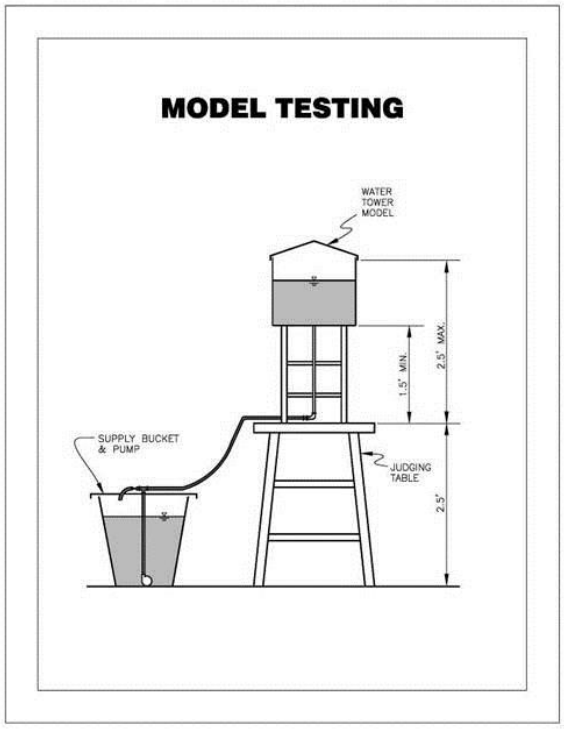
What size/style/type/flow rate pump is being used? Is there a particular type I can buy to test our tanks that would be identical or similar to the one being used?

Below are the pump specifications as requested:



What limitations exist on the height of the tank from its bottom to its top?

The tower should measure between 1.5 and 2.5 feet for the whole structure, from the bottom of the tower to the top of the tank. The tank is limited by the volume it can hold and has to be between 1 gallon to 2.5 gallons when full. Please see the diagram below:



What limitations exist on the required height of the bottom of the tank above the base?

There are no limitations on the height of the tank. The tank is limited by the volume it hold as indicated in response above.

What should be included in the cost of materials?

The cost recorded to build the model water tower should only include the materials used for building it. If a team purchases more supplies than they need please discount the cost to only that portion that was used. **Please Note: Do not include the purchase of the valve on the material costs.**