crg226

Christopher Galantino's Individual Contribution Page

Team Goals

As a new member of AguaClara and the Ram pump subteam, I will strive to work with my team effectively in order to modify the existing ramp pump model to yield a 70 mL/s flow rate. For this semester, it is necessary that we implement a reliable and consistent flow rate calculation system. Ensuring that the model is stable and compact with respect to its components and overall structure is a goal my team and I should focus on throughout the duration of the pumps design. Furthermore, implementing an effective and reliable system for calculating the flow rate and efficiency of the pump at any given head is a primary initative this semester. After this step is complete, adding distribution piping to the bottom of the ram pump and observing its affects on the ram pump's output and overall function is a must. In an AguaClara treatment plant, the entire apparatus is completely submerged in water. Therefore, the ram pump in the lab must be put under these conditions in order for the team to move forward with increasing flow rate and efficiency.

Personal Goals

1) Conduct independent research on effective pump models to better the ram pump system

2) Put aside the time necessary to be an active participant on the team

3) Provide my energy and willingness to learn during each team session