

Project 4

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Cycle for water treatment system

When the host system calls for a cycle, do the following:

0. Home position
1. Go to fill position. Once at fill position, fill for 10 seconds
2. Go to drain position. Once at drain position, drain for 20 seconds
3. Move to flush position. Flush for 10 seconds
4. Move to home position. Wait at home position until a cycle is called

If the cycle request is called during a cycle, the system is to ignore it and do nothing.

If the reset cycle request is called, then break from the cycle and move the valve back into home position.

Ideally, have a "Mode" integer that controls the process. Put this under its own "cycle" rung.

PROCESS:

