

Safety Tips:

1. It is important that before starting the system that you measure the voltage across the capacitors.
2. After you leave the lab make sure that you measure the voltage across the capacitors and make a note of it. Date the note and place it near the capacitor bank so that people entering the lab are aware of the voltage.
3. Do not put your hands near the capacitors because when they are charged it is possible that you can shock yourself.
4. It is good practice to discharge the capacitors if there is going to be a long intermission between when you next run the HVS. There is a resistor for discharging the capacitor but you can also just run the motors for a few minutes which should also be effective.
5. When placing capacitors in the capacitor bank be sure that they are correctly polarized otherwise you run the risk of damaging the whole system and possibly causing an explosion to occur.