

Turning ON the system:

- 1. Open the nitrogen valve** (the black handle has to be aligned with the copper pipe – turn it slowly in order to have a steady increase of pressure in the system)
- 2. Purge the system for at least 10 min** (40 min if it hasn't been used in over 2 days); steps 3 & 4 can be done while waiting.
- 3. Turn on the water bath and the temperature controller; press start on the temperature controller front panel**
- 4. Switch on the spectrometer** (once the system is initialised the shutter LED will light up)
- 5. Double click on Spectra Manager**, select the type of experiment you want to do. A new window opens asking you to wait until the system is fully purged (this takes 10 min),
- 6. A self-diagnosis will be performed and the Xe lamp should automatically turn ON.** The lamp indicator turns green.
- 7. The lamp will require at least 10 min to stabilize after ignition**

Note: If it is necessary to restart the lamp after running, it must be allowed to cool for about 15 mins before re-ignition is attempted. **Do not switch off the lamp if there are less than 8 hours between you and the next user. Contact the next user via e-mail.**

Turning OFF the system:

- 1. Turn off the Xe lamp by going to “Control” then “Light Source”. Uncheck the box next to the lamp and select apply. Make sure the lamp indicator has switched off.**
- 2. Quit the software**
- 3. Switch off the spectrometer**
- 4. Turn off the temperature controller and water bath**
- 5. Let the system be purged with nitrogen for 10 min.**