

LIQUID NITROGEN DEWAR FILL INSTRUCTIONS

- 1) Go to console and zero the balance with nothing on it
- 2) Place the dewar on the balance and attach the vacuum-jacketed hose to the **LIQUID** inlet (if there are high- and low-pressure inlets) and the other hose to the gas **VENT** on the dewar.
- 3) Push "TARE" on the console
- 4) Open the **VENT** valve first, and then the **LIQUID** with the hoses attached on the dewar followed by the **hose drain valve** directly next to the console and make sure the pressure on the dewar is **BELOW** 30 psi
- 5) Close the **hose drain valve** directly next to the console and push "START" on the console
- 6) Press "2" for Nitrogen, then enter
- 7) The word "TARE" will start blinking along with a tare weight, which should be the weight that you tared after attaching the hose (If not, input the weight of the dewar plus 5 lbs for the hoses), then press enter
- 8) Next, you will have to input the specified amount of liquid Nitrogen to fill the dewar into the console (if filling an empty dewar, refer to table with dewar sizes and weights of Nitrogen to fill the dewar), then press enter. Here you should hear gas being released and the liquid Nitrogen should begin flowing to fill your tank. (See wall chart)
- 9) Once the filling is complete, close both dewar valves followed by opening the hose drain valve directly next to the console to allow vacuum-jacketed hose to bleed excess nitrogen in the hose
- 10) Close the valve directly next to the console and remove the hoses from the Dewar.