Operating Instructions for VWR 1410 Vacuum Oven

1. Turn the pump on (the switch is located on the front of the pump).
2. Push the “Main power switch” and set the temperature of the oven using the “Manual temperature control” knob. (The temperature will reach about 250°C at the maximum set point of “10”.) Open the “Vacuum valve” and wait until the temperature of the oven stabilizes. A thermometer is located in the left, back corner inside the oven.
3. Are you ready to put your sample into the oven? Close the “Vacuum valve” and open the “N₂ shut-off valve” and the “N₂ needle valve”. Vent the oven. Open the door and insert your sample. Close the “N₂ needle valve” and the door.
4. Open the “Vacuum valve” and wait for the pressure to drop. If you wish to process your sample in N₂ atmosphere, slowly open the “N₂ needle valve”. The pressure inside the oven will raise. Bleed as much N₂ as you wish.
5. Are you ready to take your sample out? Close the “Vacuum valve” and open the “N₂ needle valve”. Vent the oven. Open the door and remove your sample. Close the “N₂ needle valve” and the door.
6. Are you done? Close the “N₂ shut-off valve”, set the “Manual temperature control” to “0”, turn off the “Main power switch”, and turn off the pump.