

### 5.3 Hot Gas Tool Temperature Verification

**NOTE:**

HOT GAS TOOL VERIFICATION SHOULD BE DONE EVERY THREE MONTHS.

1. Open the temperature verification profile in the Air-Vac directory.
2. Execute this program following the step-by-step prompts. You will need the NCAL-1 nozzle supplied with the machine (white rectangular box).
  - The actual temperature output through T/C #1 (NCAL nozzle) at 300 seconds should be manually recorded.
  - If the actual temperature is outside 300C +/-5 degrees (ie. 295C, 305C), re-calibration of the top heater is required as shown below.

### 5.4 Hot Gas Tool Calibration

**NOTE:**

HOT GAS TOOL CALIBRATION SHOULD BE DONE BY AUTHORIZED PERSONNEL IF VERIFICATION CHECK INDICATES THAT CALIBRATION IS REQUIRED.

1. Go to the maintenance view of the Hot Gas Tool.
2. Mount the NCAL nozzle and plug the T/C into channel #1.
3. Set a flow of 60 SLM and change to the calibration view of the Hot Gas Tool. BE SURE HEATER BYPASS BLOCK IS UNCHECKED.
4. Wait one minute and update the Ambient Temp value with the value shown.
5. Select the Get Value button to update the mV value.
6. Change back to the maintenance view of the Hot Gas Tool and enter a temperature set point of 300 degrees (do not enable the heater).
7. Click the Monitor button and change to the advanced view.
8. Now, Enable the heater and wait from this moment for 300 seconds. At the end of 300 seconds, write down the temperature measured with the NCAL nozzle. This value will be for the calibration.
9. Disable the heater and change back to the calibration view of the Hot Gas Tool.
10. At the 3<sup>rd</sup> point, enter the value measured after 300 seconds and click the Compute Calibration button to finish the calibration.
11. After cooling down the nozzle, remove it and set the flow back to 0 SLM.

