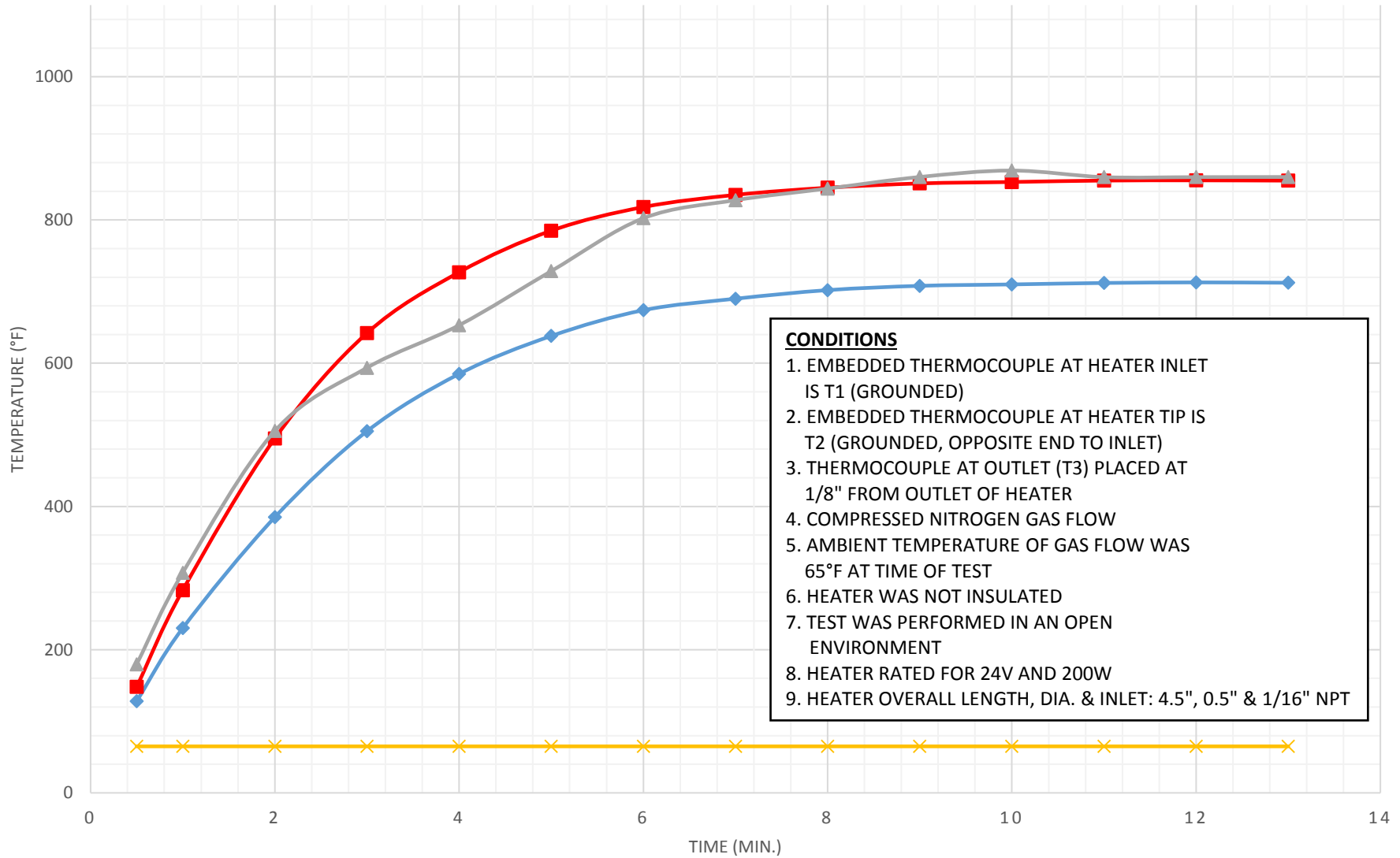


MINI CLEAN FLOW HEATER

TEMPERATURE VS TIME FOR A FLOW OF 5.69 L/MIN

—◆— T1 (INLET) —■— T2 (TIP) —▲— T3 (OUTLET) —×— AMBIENT



- CONDITIONS**
1. EMBEDDED THERMOCOUPLE AT HEATER INLET IS T1 (GROUNDED)
 2. EMBEDDED THERMOCOUPLE AT HEATER TIP IS T2 (GROUNDED, OPPOSITE END TO INLET)
 3. THERMOCOUPLE AT OUTLET (T3) PLACED AT 1/8" FROM OUTLET OF HEATER
 4. COMPRESSED NITROGEN GAS FLOW
 5. AMBIENT TEMPERATURE OF GAS FLOW WAS 65°F AT TIME OF TEST
 6. HEATER WAS NOT INSULATED
 7. TEST WAS PERFORMED IN AN OPEN ENVIRONMENT
 8. HEATER RATED FOR 24V AND 200W
 9. HEATER OVERALL LENGTH, DIA. & INLET: 4.5", 0.5" & 1/16" NPT