

MINI CLEAN FLOW HEATER WITH INSULATION

TEMPERATURE VS TIME FOR A FLOW OF 16.9 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 63°F AT TIME OF TEST
6. HEATER WAS 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

