$$K_h = \frac{\left(F_1 - F_O\right)}{\left(V_1 - V_O\right)} \times \frac{(210.8 - 22)k_{cal}}{mole} \times \frac{273}{T_a} \times \frac{P - P_v}{760} \times \frac{\text{mole CH4STP}}{22.41} \times \frac{\text{WATT min}}{.01433\text{kcal}} \times \frac{\text{kw}}{1000\text{w}}$$