

$$Q_{\text{gas}} = (1.12 \text{ scfm/dscfm}) \times (Q_{\text{air}} + Q_{\text{other}}) \times \left(\frac{\text{Temp}_{\text{gas}}}{293^{\circ} \text{K}} \right) \times \left(\frac{1 \text{ atm.}}{P_{\text{vent}}} \right) \quad (\text{Eq. 1})$$