

$$Y_m = \frac{V_{m(\text{std}),\text{mfg}}}{V_m \left( \frac{T_{\text{std}}}{P_{\text{std}}} \right) \left( \frac{P_{\text{bar}}}{T_m} \right)}$$

$$Y_m = \frac{V_{m(\text{std}),\text{mfg}} T_m}{17.64 V_m P_{\text{bar}}}$$

Eq. 306A - 2