

Dampfgehalt  $x$

$$x = \frac{m_{\text{gas}}}{m_{\text{gas}} + m_{\text{flüssig}}}$$

Wasser erhitzen:  $m = 1 \text{ kg}$   $p = p_0$

$0^\circ \text{C} \rightarrow 100^\circ \text{C} \rightarrow$  verdampfen

$$Q_n = m c_p (T_2 - T_1) = 400 \text{ kJ}$$

$$Q_D = m \cdot r = 2200 \text{ kJ}$$

Verdampfen:

isobar + isotherm

$$\Delta S = \frac{\Delta Q}{T}$$