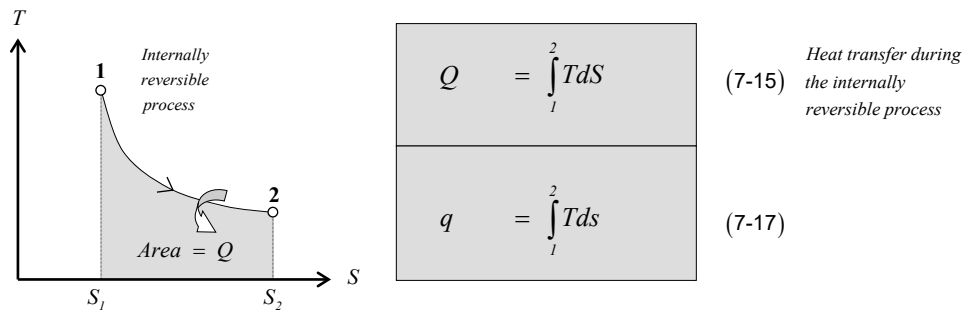


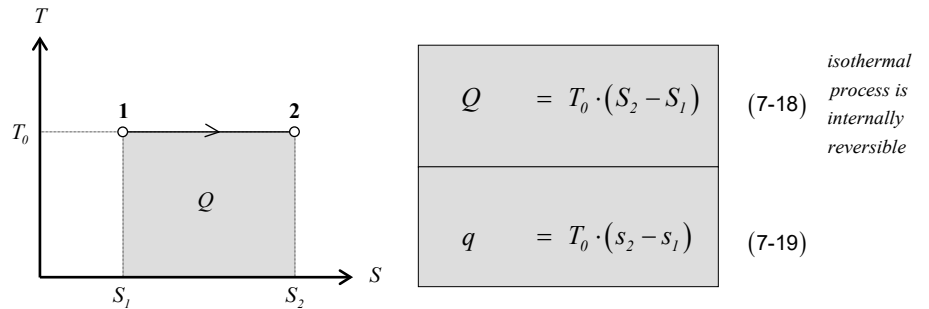
7-5 T-S DIAGRAM

Internally reversible process

$$dS = \left(\frac{\delta Q}{T} \right)_{int\ rev} \quad (7-4) \quad \Rightarrow \quad \delta Q = TdS \quad (7-14) \quad \text{For internally reversible process}$$

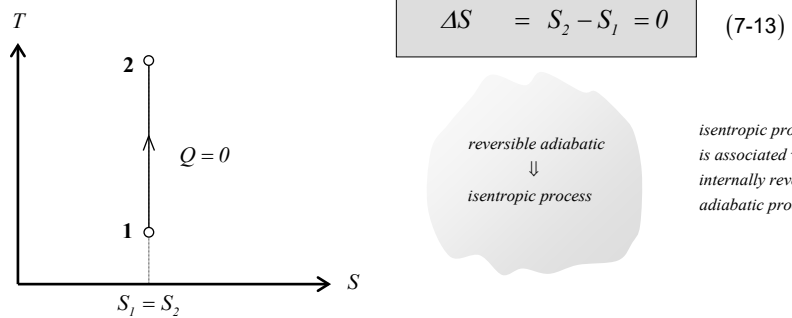


Reversible Isothermal Process

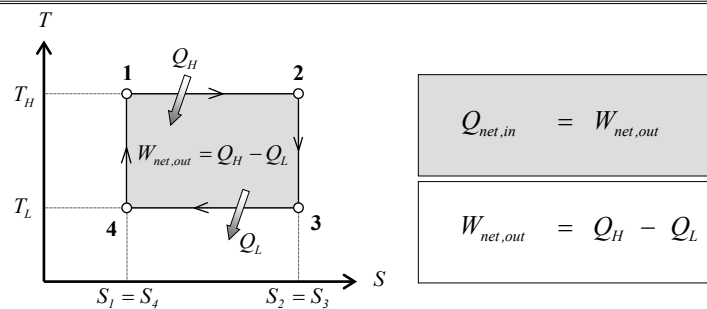


7-4 Isentropic process

($S = const$ during process)



Carnot Cycle



Mollier diagram (Table A-10)

h-s diagram is useful for analysis of steady-flow devices



Richard Mollier (1863 – 1935)

