

# Thermodynamics: Principles and Applications

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## Errata

**p. 58 - Problem 2.11**

In the problem statement, "1000 kW heater" should be written as "1 kW heater".

**p. 86 - Problem 3.16**

In the first line of the problem statement, "1 kg of wet steam" should be written as "1 m<sup>3</sup> of wet steam".

**p. 159 - Problem 4.10**

In the problem statement, "If 180 kJ of heat added" should be written as "If 1.8 kJ of heat added".

**p. 161 - Problem 4.18**

The temperature at state 3 should be 249°C instead of 554°C. The answer for part b is  $Q = -W = 235 \text{ J}$ .

**p. 195 - 3<sup>rd</sup> line after the sub-heading** "*T-S diagram (Carnot cycle - revisited)*" "*P-V diagram*" should be "*T-V diagram*".

**p. 239 - Solution of Example 5.22**

Equation (1) should be written as

$$\dot{m}_1(-\widehat{W}_1) + \dot{m}_2(-\widehat{W}_2) = 15,000$$

**p. 267 - Problem 5.30**

In the fourth line of the problem statement, "2 mol of air" should be written as "2 kmol of air".

**p. 285 - 4<sup>th</sup> line after the heading** "Effect of lowering condenser pressure" ( $x_{4^*} > x_4$ ) should be ( $x_{4^*} < x_4$ ).