

isothermal and adiabatic

[PHY207] In order that a cycle be reversible, following must be satisfied all of these

[PHY207] The value of the product of molecular weight and the gas characteristic constant for Vail the gases in M.K.S. unit is n
 $848 \text{ kgfm/mol} \cdot \text{Å}^\circ\text{K}$

[PHY207] Which of the following processes is irreversible process
throttling

[PHY207] If a fluid expands suddenly into vacuum through an orifice of large dimension, then such a process is called n
free expansion

[PHY207] Minimum work in compressor is possible when the value of adiabatic index n is equal to n
1

[PHY207] For a thermodynamic process to be reversible, the temperature difference between hot body and working substance should be n
zero

[PHY207] A gas is compressed in a cylinder by a movable piston to a volume one-half its original volume. During the process 300 kJ heat left the gas and internal energy remained same. n The work done on gas in Nm will be n
300,000 Nm

[PHY207] The more effective way of increasing efficiency of Carnot engine is to decrease lower temperature

[PHY207] Molecular volume of any perfect gas at $600 \times 10^3 \text{ N/m}^2$ and $27 \text{ Å}^\circ\text{C}$ will be
 $4.17 \text{ m}^3/\text{kgmol}$

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