

ISOCHOR

Meaning: Isochor refers to a thermodynamic process in which the volume of a system remains constant while heat is added or removed, resulting in changes in pressure and temperature.

1. An isochor is a thermodynamic process in which the volume remains constant while heat is added or removed.
2. In an isochor, the pressure and temperature of a gas can change without any change in its volume.
3. The concept of isochor is essential in understanding the behavior of gases under specific conditions.
4. During an isochoric process, the energy transferred as heat results solely in a change in temperature.
5. Engineers often analyze isochoric conditions to optimize the performance of engines and refrigeration systems.

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