

# Property

- *Properties* are characteristics of a system (e.g. Mass, volume, temperature, energy, pressure etc.)
- Types of property
  - Extensive
    - The value depends on the size of the system (*additive*) (Volume  $V$ , mass  $m$ , Energy  $E$ , Internal Energy  $U$ )
  - Intensive
    - The value does not depend on the size of the system (not additive) (Temperature  $T$ , Pressure  $P$ )
    - Specific Property (Independent of size)
      - (Extensive Property) / (Mass)
      - ex. Specific Volume  $v$ , Specific Energy  $e$