Any compression which has a constant temperature or ears temperature difference in the isothermal compression process. These processes are very slow, as the system needs time to maintain a constant temperature. For example, heating a jer filled with notine with a siding lid. The losses are ignored here as the ideal sothermal compression process is impossible to achieve.

The pressure volume curve of an isothermal compression process can be represented a



The above two curves represent the isothermal process where the temperature is constant and the increasing or the volume is decreasing. The work done is taken to be negative here as the system or

Conclusion

Softward congression is the thermodynamic process of decreasing the volume or increasing the

when the temperature of the system is constant. The process maintains the state of thermal equilib



Isothermal Compression

USA, UK, Canada, Australia

It is a thermodynamic process of decreasing the volume or increasing the pressure when temperature of the system is constant.

Improving refrigerat

Thermodynamic system

Isothermal compressi

