



-20°DEEP FREEZER

- Deep Freezer works on Vapor Compression refrigeration cycle. The vapor-compression uses a circulating liquid refrigerant as the medium which absorbs and removes heat from the space to be cooled and subsequently rejects that heat elsewhere, depicts a typical, single-stage vapor-compression system.
- **working principle:**
- The Deep freezers are based on the principle that under extremely low temperatures, there is minimum microbial growth which allows for the protection and preservation of different substances.
- Based on this principle, we can even preserve cultures over a long period of time without any change in the concentration of the microorganisms.
- **Uses**
- A deep freeze can be used for the preservation of different things used in the laboratories for a very long period of time. Deep freezers are used in laboratories to store and preserve medical equipment, food items, blood samples, medicines, and injections, etc. for a more extended period of time.