

## QUICK FREEZER (- 40°C)

**elte Vertical Quick Freezers** are used for maintaining and monitoring the temperature at - 40°C consistently. Predominantly these freezers are used for storing the medicines, vaccines, pharmaceutical supplies, samples and other temperature sensitive specimens at a steady temperature. There are 6 different models based on the volume and user convenience.

### Salient Features:

The outer body has a robust construction of 1 mm thick mild steel with epoxy powder coating whereas the inner chamber is made of corrosion resistant 1 mm thick Stainless Steel 304 Grade. An ergonomic outer door with lock and key is provided in order to prevent unauthorized access. There is also a provision of an inner door with latches to prevent loss of chillness from the inner chamber. Sturdy castor wheels are fixed at the bottom for mobility of the unit with ease. Stainless Steel shelves are provided. Drain condensate outlet also available in order to drain of condensed water from the bottom of the chamber. Magnetic door gasket ensures complete sealing of the main door.



The freezer runs on standard 230 V AC Single Phase 50 Hz power supply. A MCB is present for better electrical safety. Microcontroller based graphic LCD display is provided for easy visibility of internal temperature from a distance. The control panel is placed at an easily accessible height for operation. The controller has a readability as well as set temperature increments of 0.1 °C. Audio as well as visual alarms are indicated whenever there is large variation in set temperature, sensor failure, etc. The User Interface is password protected in order to prevent parameter tampering.

Eco-friendly refrigeration system comprises of a low noise highly efficient heavy duty hermetically sealed compressor. It uses an environmentally friendly HFC refrigerant gas R-404 A which is CFC and HCFC free. The high-density PUF insulation helps to maintain the interior temperature even when there is ambient temperature variation. PT 100 sensor is used for accurate temperature feedback of the inner chamber. Provision of hot line reduces the condensation on the outer door openings. The powerful refrigeration system consists of high-tech rapid cooling system providing quick pull down of temperature upto – 40 °C thereby ensuring temperature stability even in high external ambient conditions.

### Technical Specification :

MODEL NO.	EQF - 100	EQF - 200	EQF - 300	EQF - 400	EQF - 500	EQF - 600
Volume	100 Ltrs	200 Ltrs	300 Ltrs	400 Ltrs	500 Ltrs	600 Ltrs
Chamber Dimension (mm)	450x450x500	500x450x900	500x550x1100	550x600x1215	600x650x1300	630x700x1360
External Dimension (mm)	570x650x1000	650x650x1200	650x650x1300	650x700x1725	700x850x1750	730x920x1900
No. of Shelves	2	3	4	4	5	6