

DEEP FREEZER

AVI-115 SERIES

TECHNICAL DATA

Temp Range	-40°C
Temp Accuracy	± 3°C
Temp Uniformity	± 1°C
Supply	230V, AC, 50 Hz

Laboratory deep freezers are like sample testing instruments used to preserve and safely store food products, medical apparatus, blood samples, medicines, injections, etc for larger time durations. These were specially designed for storing blood, for pharmacies and laboratories a complete refrigerator with a compressor was invented by Alfred Mellows in 1916.

AVANTE manufactures Deep freezers with unique and high-efficiency designs to offer a suitable freezing environment for advanced medical and industrial purposes. The units are also available in horizontal and vertical forms.





CONCEPTION

Constructed with a double wall. 3" thick PUF insulation makes sure the temperature is uniformly maintained and the energy is efficiently used.

TEMPERATURE CONTROL

The microprocessor autotunes PID temperature controller comes with a dual display of set values. The PID controller comes with a CE mark ensuring enhanced quality results.

REFRIGERATION SYSTEM

- Avante deep freezers are designed keeping all your needs in mind. We provide a CFC free Hermetically sealed Emerson Copeland compressor for advanced level of cooling with R 404A (Eco- friendly) refrigerant that comes with a time-delay system to protect the compressor from damage.
- It also comes with a transparent acrylic door offering the entire view inside the cabinet for observation purposes.
- Special stainless steel rod trays inside to make sure the temperature is evenly spread inside the cabinet

DEEP FREEZERS FIND TEST APPLICATIONS IN

- Blood banks
- Preserving plasma
- Research laboratories
- Storage of blood components
- Storage of vaccines

STANDARD MODEL

This model has Interior S.S. 304 with mirror polish & exterior with mild steel powder coated

GMP MODEL

This model has Interior S.S. 316 with mirror polish & exterior with stainless steel 304 with dull buff finish

SAFEGUARDING TRAITS

The compressor ON delays the time to ensure the safety of the compressor



PRINCIPLE CHARACTERISTICS

A PUF coated heatproof inner door with a gasket

Unique stainless steel rod trays that ensure uniformity of temperature in the cabinets

DISCRETIONARY FEATURES

- An auto change PLC based system for standby refrigeration with HMI
- A Stand by Refrigeration System
- A CFR 21 Part 11 compliance software for the data recorder
- A data logger
- A data scanner with a sensor and mobile alert system using SMS
- A CFR 21 Part 11 compliance software for PLC with RS 485 or Ethernet communication
- Digital temperature controlling system
- Digital timer
- Security system with door access

TECHNICAL DATA

AVI-115 SERIES			
Models	Capacity Liters	Internal Size H x W x D (cm)	Trays
AVI-115A	100	50 x 50 x 40	2
AVI-115B	170	70 x 60 x 40	2
AVI-115C	200	60 x 60 x 60	2
AVI-115D	285	80 x 60 x 60	3
AVI-115E	325	90 x 60 x 60	4

Note: The design, color, specification, and models are subject to transformation due to ending research, development, and technological advances.

India

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