Deep Freezer -20°C

Code: W-2443 GST: 18% Brand: AVAIN LABS









AVAIN LABS® Deep Freezer -20°C

AVAIN LABS® Deep Freezer -20°C is a high-performance laboratory deep freezer designed for reliable low-temperature storage and preservation of temperature-sensitive materials, samples, specimens, reagents, and other laboratory applications. Engineered with durable construction, efficient insulation, and precise microprocessor-based temperature control, this -20°C deep freezer provides stable and dependable temperature management for laboratories, hospitals, research facilities, medical institutions, pharmaceutical applications...

The unit features a double-walled construction, with the outer body made from M.S. sheet duly powder coated for durability and the inner chamber made from stainless steel (S.S.) sheet for enhanced hygiene, corrosion resistance, and easy cleaning. The S.S. sheet trays provide convenient and organized storage inside the freezer.

For improved thermal efficiency, the gap between the outer and inner walls is filled with high-grade PUF insulation, helping to minimize thermal loss and maintain consistent internal temperatures. The freezer is available in both Vertical and Horizontal models, allowing users to select a configuration that best suits their laboratory space and storage requirements.

The unit is equipped with a transparent acrylic inner door for convenient internal viewing and improved sample visibility. A mechanical voltage indicator is provided for monitoring electrical supply conditions. The integrated refrigeration system is designed to control the temperature from ambient temperature down to -20°C, while a microprocessor PID-based digital temperature indicator-cum-controller provides precise temperature regulation with an accuracy of ±0.5°C.

Designed to operate on a 220–230 Volt AC, 50 Hz power supply, the AVAIN LABS® -20°C Deep Freezer combines robust construction, efficient PUF insulation, precise temperature control, and practical storage features, making it a suitable choice for laboratories and professional cold-storage applications.

Key Features

- AVAIN LABS® Deep Freezer -20°C
- Temperature range: Ambient to -20°C
- Available in Vertical and Horizontal models
- Double-walled construction for enhanced durability and insulation
- Outer body made of M.S. sheet, duly powder coated
- Inner chamber made of stainless steel (S.S.) sheet
- S.S. sheet trays for organized storage
- High-grade PUF insulation between outer and inner walls
- Designed to minimize thermal loss and improve energy efficiency
- Transparent acrylic inner door for easy internal viewing
- Mechanical voltage indicator included
- Refrigeration system for reliable low-temperature operation
- Microprocessor PID-based digital temperature indicator-cum-controller
- Temperature control accuracy: ±0.5°C
- Power supply: 220–230V AC, 50Hz
- Suitable for laboratories, hospitals, research centers, pharmaceutical applications, and scientific facilities

Available models

Specifications

Cat No	Size | Litre | Cu ft | Horizontal– Vertical
AL-570A1	375*500*605 mm | 112 litre | 4 | Vertical
AL-570A2	375*500*605 mm | 112 litre | 4 | Horizontal
AL-570B1	505*410*830 mm | 171 litre | 6 | Vertical
AL-570B2	505*410*830 mm | 171 litre | 6 | Horizontal
AL-570C1	570*550*875 mm | 280 litre | 10 | Vertical
AL-570C2	570*550*875 mm | 280 litre | 10 | Horizontal
AL-570D1	650*580*900 mm | 340 litre | 12 | Vertical
AL-570D2	650*580*900 mm | 340 litre | 12 | Horizontal
Optional (DF1) |
Optional (DF2)	HMI (Touch Screen) Controller with Data recorder and Software |
Optional (DF3)	Automatic Voltage stabilizer |

Available models (3)

Cat. No.	Size	HSN
W-2443-S1	Small	
W-2443		
W-2443-S2	Large	

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